

Tax ID - 05-413184

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

Needs ONLY  
HOUSE  
CONNECTION  
Late 5/3

5/3 (2) P.C.O

5/3/94 noon

P 49939  
A 42450

DISTRICT 5th

DATE 04/24/94

**HOWARD COUNTY HEALTH DEPARTMENT**  
BUREAU OF ENVIRONMENTAL HEALTH  
~~461-9933~~ 313-2640

DATE SYSTEM APPROVED 5/3/94

INSPECTOR CBA

INDEXED

Arnold Backhoe & Septic Services IS PERMITTED TO INSTALL  ALTER

ADDRESS P. O. Box 15, Woodbine, Maryland 21797 PHONE 795-7873

SUBDIVISION The Warfields LOT 2 ROAD 14815 Michele Drive

PROPERTY OWNER Trinity Custom Homes Cheryl Ann Peter Morgan

ADDRESS Michael & Lesley Salandra

SEPTIC TANK CAPACITY 1500 GALLONS

NUMBER OF BEDROOMS 5

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 225

Add-on Deck  
BLDG. PERMIT SIGNED  
AND RETURNED 5-2-96  
Serial # 64881

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 - Place the distribution box 310 feet from the front lot line and 70 feet from the right lot line. 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 MR 4/27/94

PLANS APPROVED BY C. Williams DATE 09/07/94

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

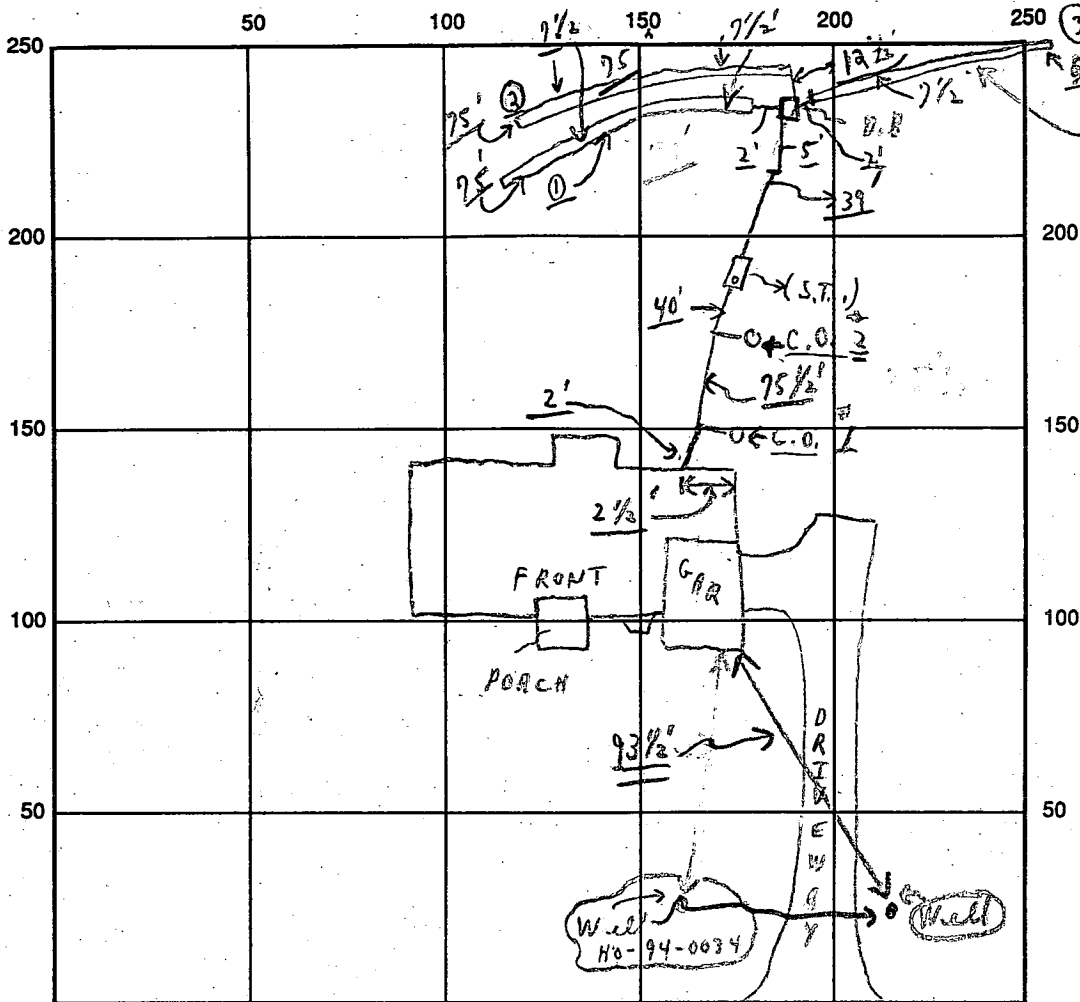
BLDG. PERMIT SIGNED  
AND RETURNED 8/2/94  
Serial # 55595

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. On ground proof

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

A 42450



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

MICHELE DRIVE

SEPTIC TANK LEVEL OK

CLEANOUTS OK

S.T. (C.O. 1 | C.O. 2)  
OK OK  
NEAR HOUSE

DISTRIBUTION BOX LEVEL OK (Baffles is in)

DRAIN FIELD/TITLE DEPTH 7 1/2' FT.

TRENCH WIDTH 2 FT.

INLET DEPTH 3 1/2 FT.

EFFECTIVE GRAVEL DEPTH 4 FT.

TOTAL LENGTH (225) FT. (1 75, 2 75, 3 75)

NUMBER OF TRENCHES 3

ONE SIDEWALL AREA 900 SQ. FT.

DRYWALL INSIDE DIAMETER --- FT.

EFFECTIVE DEPTH BELOW INLET --- FT.

ABSORBENT AREA 900 SQ. FT.

REMARKS: (Wood) P.M. → 5/3/94 (1) Trenches ok for stones → partial and from 2' to hit, covers from house to 2nd C.O. only; OK  
5/3/late P.M. - Partial NEED HOUSE CONNECTION - OK  
OK TO COVER ALL WORK AND NOT HOUSE CONNECTION, AS FINISH MATERIAL ON SITE TO FINISH JOB; NOTE - Pipe thru inside wall later 5/3/94. (STONE @ 4:05) CB  
5/3 No W.P.I. CB

DATE SYSTEM APPROVED 5/3/94

INSPECTOR Charles Bryan Streaker

# APPLICATION

PERCOLATION TESTING

A 42450

P \_\_\_\_\_

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

DISTRICT 5th

DATE 11-9-88

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 Kennard Warfield, Jr. Trinity Custom Homes

ADDRESS 14663 Triadelphia Road PHONE 313-5722  
442-2337

PROSPECTIVE BUYER N/A

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

PROPERTY LOCATION: THE WARFIELDS  
SUBDIVISION Sapling Range LOT NO. LOT 2 Preliminary  
2A (new perc)

ROAD AND DESCRIPTION 14600 Triadelphia Road, just west of Howard Road  
(14815 Michels Drive)

TAX MAP 27 PARCEL # 56

SIZE OF LOT 3 Acres TYPE BLDG. SFD  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Mark Reich  
(SIGNATURE OF APPLICANT)

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

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

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

REASONS FOR REJECTION OR HOLDING 11/25/88 perc SATISFACTORY - hold for subcl. perm. subcl.

BLDG. PERMIT SIGNED  
AND RETURNED 4/21/94  
Seval # 53257  
SFD - 4Bem

# THIS IS NOT A PERMIT

HD-216

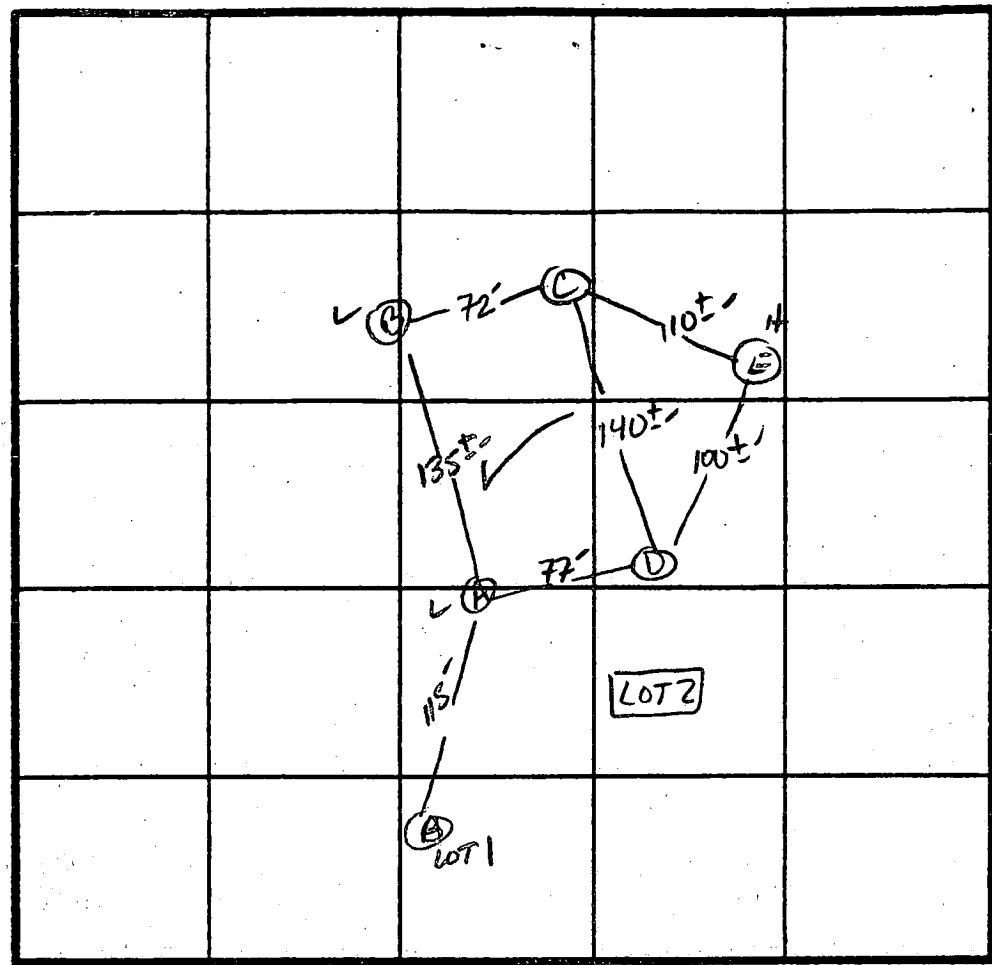
SOIL PROFILE

AP

6" Yellow Br Silty loam (clayey) 10-15% Frag

3.5' yellow Br silty loam micaceous 15-20% Frag

12.5' ±



X Perc 4 min  
180# 13A  
Inlet 3.5  
Bottom 7.5

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Philadelphia Rd.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/25/88	AS	4"	10:19	10:21	10:21	10:27	6 min	
		12.5"	See Profile					
<del>X</del>	BS	3.5"	10:21	10:23	10:23	10:28	5 min	
		12.5"	Similar to Profile clay to 3" (H2O)					10.5"
	CS	3.5"	10:31	10:32	10:32	10:34	2 min	
		8.0"	10:30	10:31	10:31	10:35	4 min	
	CV	13"	Similar to Profile					
	DV	13"	As Profiled					
	ES	4"	10:39	10:40	10:40	10:44	4 min	
		13"	Similar to Profile w/ quartzite 3-4"					

REMARKS CLOSE TO PLAT - AS SPAKED - shallow soil

TYPE OF SOIL CHERT

TESTED BY S. Abel ALSO PRESENT Mark, Dave,

O.K.

B 1 08405

SEQUENCE NO. (DP USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL please print or type

STATE PERMIT NUMBER

40-94-0034 fill in this form completely

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

Date Received (APA)

OWNER INFORMATION

LAND DESIGN DEVL INC 10805 HICKORY RIDGE COLUMBIA MD 21044

B 3

LOCATION OF WELL

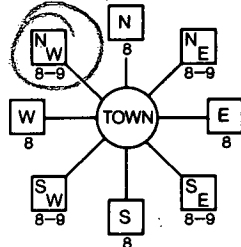
HOWARD COUNTY THE WACHVELNS SECTION 44 LOT 2 DAVITON MILES FROM TOWN 4 MI

DRILLER INFORMATION

DANA KUKOSZ II WESTMINSTER ROTARY WELL DRILLING CO 20 BOX 861 WESTMINSTER MD 21158

B 4

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



MICHELE DRIVE NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



DISTANCE FROM ROAD 75

ENTER FT or MI 77

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 150

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT) P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL) T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME A 42450 COUNTY NO.

DATE ISSUED 030494 DATE 03/04/95 NORTH GRID 514000 EAST GRID 0794000

APPROXIMATE DEPTH OF WELL 200 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

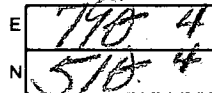
METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROTary Drive-POINT

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- 1. City 2. 3. WRITE THE BOX NUMBER FROM THE MAP HERE



3/16/94 12:00 3/24/94 AM Location of well Depth of casing! Depth of open hole! Above grade! # bags of grout! Arrived at 12:50 Not grouting until end of test 000 bag checked 3/16/94 DKS

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



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

APPROX. PERMIT NUMBER GAP 7-1-83 SS

FORCE 05 PERMIT No. 40-94-0034

SPECIAL CONDITIONS

Vicki 876-1911 Mark Rook 740-2100

C1 8718

SEQUENCE NO. (DENV 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 42450

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well 180 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HC-74-0034

OWNER last name first name TOWN SUBDIVISION 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, FEET (FROM, TO), Check if water bearing. Rows include Dirt, Soft Br. Mica & Clay, Sand, etc.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N) TYPE OF GROUTING MATERIAL CEMENT BENTONITE CLAY NO. OF BAGS NO. OF POUNDS

CASING RECORD

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

SCREEN RECORD

screen type or open hole insert appropriate code below DEPTH (nearest ft.)

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)

PUMP INSTALLED

DRILLER WILL INSTALL PUMP YES NO (CIRCLE) 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)

- 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 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. 256 DANA KYKER JR II

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

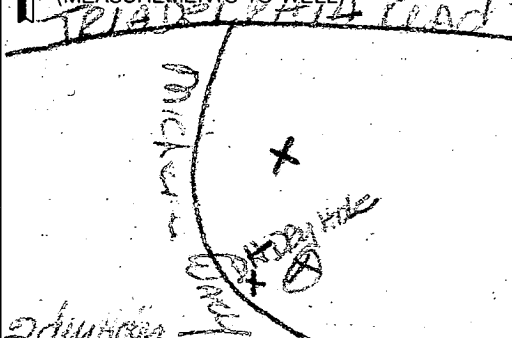
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)

TELESCOPE CASING LOG INDICATOR OTHER DATA

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)





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HOWARD COUNTY HEALTH DEPARTMENT

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*Joyce M. Boyd, M.D., County Health Officer*

February 14, 1995

Mr. Clay Lau  
14815 Michele Drive  
Glenelg, Maryland 21737

RE: The Warfields, Lot #2  
14815 Michele Drive  
Well Permit #HO-94-0034

Dear Mr. Lau:

The water sample taken from the kitchen tap at the above referenced property January 4, 1995, showed a nitrate-nitrogen concentration of 11.4 parts per million (ppm), above the limit of 10 ppm. This sample result indicates that the nitrate treatment device is not operating properly. Please inspect the device and service as necessary. Once the servicing is completed, please contact this office to schedule a follow-up sample appointment to check for nitrates.

Thank you in advance for your prompt attention to this matter.

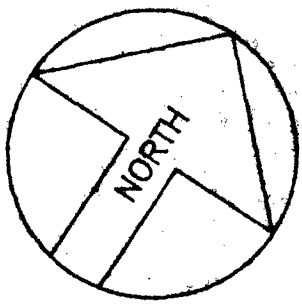
Very truly yours,

Donna K. Soe, Sanitarian  
Water and Sewerage Program

DKS  
cc: file

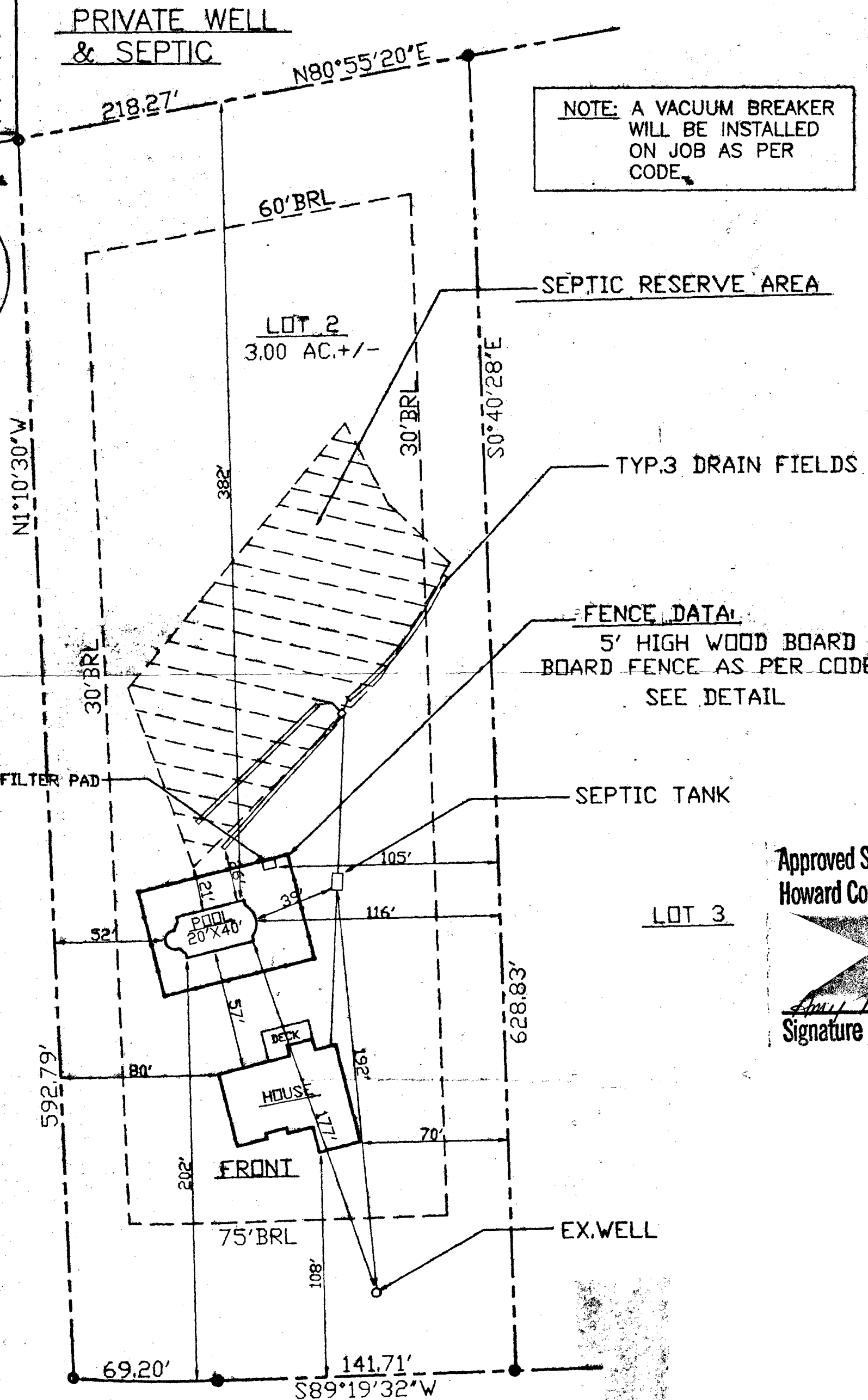
**SETBACKS:**

REAR PL.	0'
SIDE PL.	0'
HOUSE	0'
SEPTIC	0'
WELL	0'



PRIVATE WELL  
& SEPTIC

**NOTE:** A VACUUM BREAKER  
WILL BE INSTALLED  
ON JOB AS PER  
CODE.



Approved Septic System Plan  
Howard County Health Department

*Amey McMiller* 8/2/94  
Signature Date

MICHELE DRIVE  
(50'R/W) 24' WIDE

APP  
L.D.

Property known as: **Lot 2**

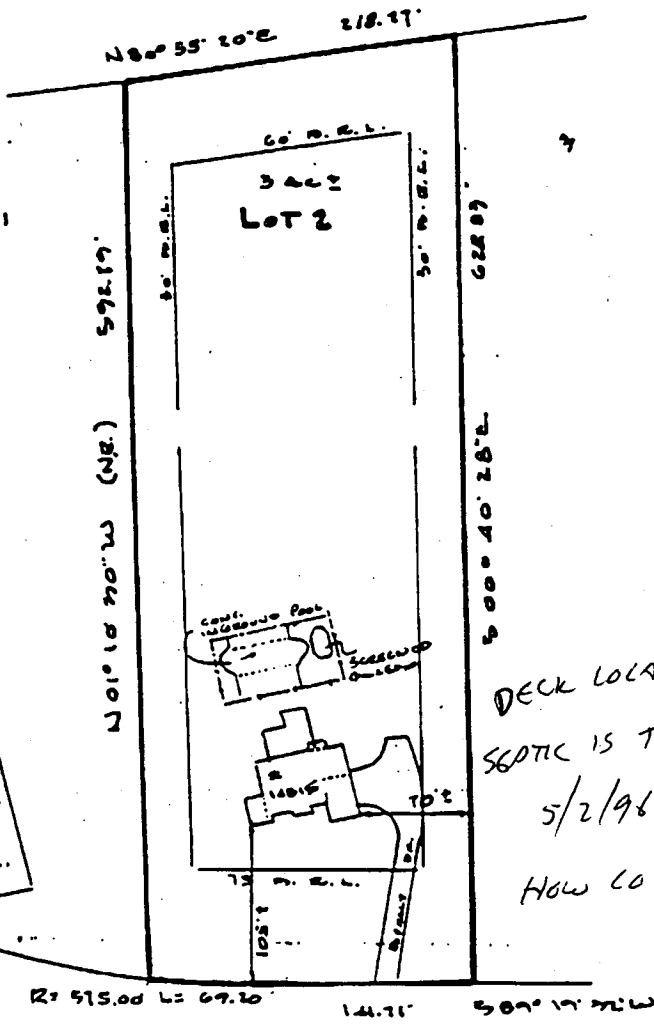
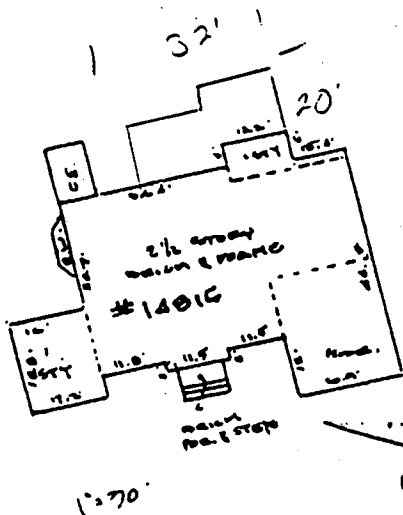
THIS PLAT CAN NOT BE USED TO ESTABLISH PROPERTY LINES OR CORNERS.

THE WOODFIELDS  
LOTS 1-14 & PARCEL 2  
PLAT 9583 SHEET 2 OF 2  
5th ELECTION DISTRICT  
HOWARD COUNTY MD

RECEIVED

MAY - 2 1996

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH



DECK LOCATION OK  
SEPTIC IS TO REAR OF POOL  
5/2/96 CWL  
HOW CO HEALTH

MICHELE DRIVE  
90' R/W

LOCATION SURVEY PLAT

SUBJECT PROPERTY NOT LOCATED IN A FLOOD PLAIN AREA UNLESS OTHERWISE NOTED

CERTIFICATION	SEAL	SCALE 1"=100' DATE 12-10-1995
<p>This is to certify that I have surveyed the property known as: <u>14015 MICHELE DRIVE</u></p> <p>for the purpose of locating the improvements thereon, and the improvements are located as shown.</p>	<p>Walter Park</p>	<p><b>LDE Inc.</b> 9250 Rumsey Road Suite 106 Columbia, Maryland 21045</p> <p>(Balt.) 410-715-1070 (Wash.) 301- (FAX) 410-715-9540</p>