

12/4/84  
3 PM  
12/7/84  
A.M.

05-389089

APPROVED  
12/7/84 RH

# PERMIT

P 34633  
A 29008

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY  
BUREAU OF ENVIRONMENTAL HEALTH  
992-2330

INDEXED

ELLICOTT CITY

DISTRICT 5th

DATE 12/3/84

Donald Parlette IS PERMITTED TO INSTALL  ALTER

ADDRESS 6575 Route 32, Clarksville, MD 21029 PHONE 286-2140

SUBDIVISION Broadwater Estates ROAD 5697 Chamblis Court LOT 5

PROPERTY OWNER Daniel & Danielle Gilliam

ADDRESS \_\_\_\_\_

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

GARBAGE GRINDER? YES  NO

SEPTIC TANK CAPACITY 2000 GALLONS' NUMBER OF BEDROOMS 4

TRENCHES - 180 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 3 1/2 feet below original grade. Bottom maximum depth 8 1/2 feet below original grade. Effective area begins at 3 1/2 feet below original grade. 5 feet of stone below distribution pipe. LOCATION: Start the first trench 40 feet from the 433.91' lot line and 110' from the 547.86' lot line. Run trench(s) along level ground toward left side of property. NOTE: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Call for inspection of trench(s) before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

BUDG. PERMIT SIGNED

AND RETURNED 3/20/90

Serial # 31684 - pool

PLANS APPROVED BY Craig Williams DATE 12/3/84

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: IF TRENCH IS USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH.

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 THREE YEARS.

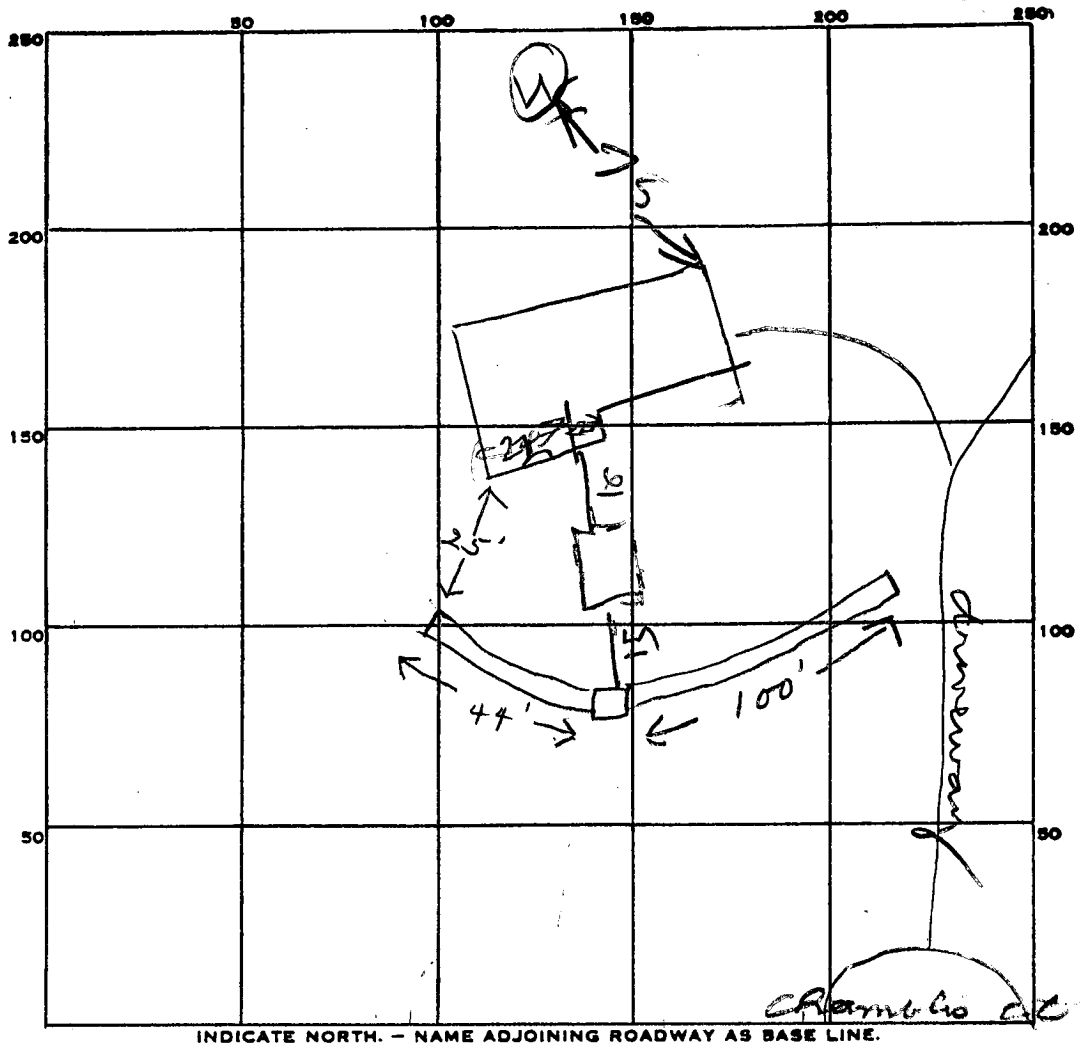
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

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

CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 297MS



720  
0.50

PERMIT CARD \_\_\_\_\_

SEPTIC TANK, LEVEL OK 200 to 700 CLEANOUTS ST  
1 1/2 FT Below grade ND

DISTRIBUTION BOX, LEVEL \_\_\_\_\_

TILE FIELD, DEPTH 8 1/2 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 5.3 FT IN. TOTAL LENGTH 144 FT.

NUMBER OF TRENCHES 2 TOTAL BOTTOM AREA 720 sq

SEEPAGE PITS, INSIDE DIAMETER \_\_\_\_\_ FT. DEPTH BELOW INLET \_\_\_\_\_ FT.

ABSORBENT AREA \_\_\_\_\_ SQ. FT.

REMARKS 12/6/84 OK to add stone in trenches

12/7/89 1002 AM - TANK INSTALLED SOME STONE  
OUT IN DITCH

12/7/89 10304 AM - MORE STONE ADDED CLEANOUT  
SET ON TANK. FINISH ADDING STONE & COVER  
720 SQ FT REQUIRED

DATE SYSTEM APPROVED 12/7/89 INSPECTOR R. H. [Signature]

SUBDIVISION: BROADWATER EST

LOT NUMBER: 5

DRY WELL OR DRY WELL AND TRENCH

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

Inlet 3 1/2 feet below original grade.  
 Bottom maximum depth 8 1/2 feet below original grade.  
 Effective area begins at 3 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.

4 BR WITH GARB. DISP.  
 2000 GAL TANK

TRENCHES

180 sq. ft./bedroom

Trench to be 2 wide.  
 Inlet 3 1/2 feet below original grade.  
 Bottom maximum depth 8 1/2 feet below original grade.  
 Effective area begins at 3 1/2 feet below original grade.  
5 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: START THE FIRST TRENCH 40' FROM THE  
433.91' LOT LINE AND 110' FROM THE 547.86' LOT LINE.  
RUN TRENCH(S) ALONG LEVEL GROUND TOWARD LEFT  
SIDE OF PROPERTY.

12/3/84 C. Wallin

B 1 **3077** SEQUENCE NO. (OEP USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

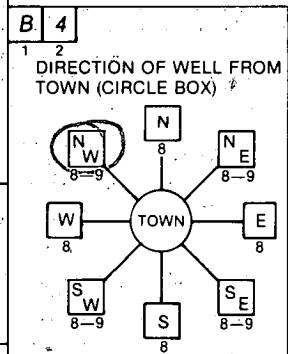
STATE OF MARYLAND  
 PERMIT TO DRILL WELL  
 please print or type

OEP PERMIT NUMBER  
**HO-91-0604**  
 fill in this form completely

Date Received **061184**  
 OWNER INFORMATION  
 Last Name **WILLIAM** Owner **DANIEL** First Name  
 Street or RFD **9426 NORTHGATE RD**  
 Town **LARUEL** State **MD** Zip **20707**

B 3 LOCATION OF WELL  
 COUNTY **HOWARD**  
 SUBDIVISION **BROADWATER EST**  
 SECTION **---** LOT **S**  
 NEAREST TOWN **CLARKSVILLE**  
 MILES FROM TOWN (enter 0 if in town) **1 MI**

DRILLER INFORMATION  
 Driller's Name **Ralph Mayne** License No. **273**  
 Firm Name **Ralph Mayne (well DRILLING)**  
 Address **9120 Brown Church Rd. Mt. Airy**  
 Signature **Ralph Mayne** Date **6/2/84**



NEAR WHAT ROAD **CHAMBLIS DR.**  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 DISTANCE FROM ROAD **200**  
 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  
 COUNTY NAME **HOWARD** COUNTY NO. **A29008**  
 OEP SIGNATURE \_\_\_\_\_ STATE HEALTH INSERT S \_\_\_\_\_  
 DATE ISSUED **061284** CO SIGNATURE **C. Willian** EXP. DATE **12/12/84**  
 NORTH GRID **505000** EAST GRID **0810000**

APPROXIMATE DEPTH OF WELL **150** FEET

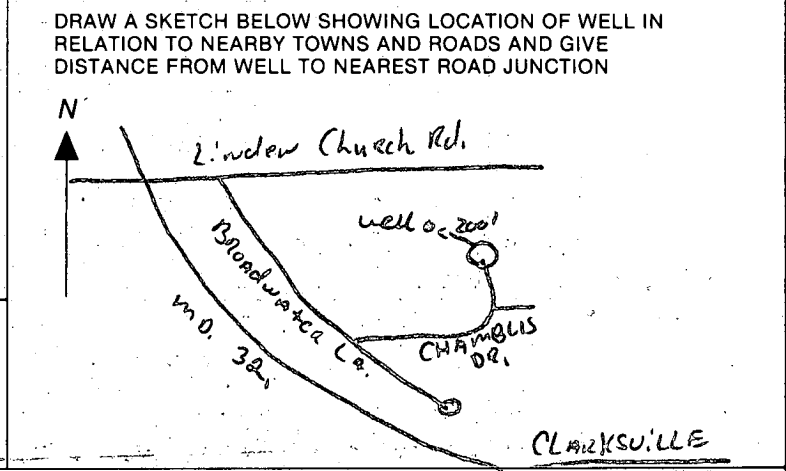
APPROXIMATE DIAMETER OF WELL **6** NEAREST INCH

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 DEEPEINED 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 DEEPEIN AN EXISTING WELL  
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) \_\_\_\_\_

Not to be filled in by driller (OEP USE ONLY)  
 APPROP. PERMIT NUMBER \_\_\_\_\_ GAP \_\_\_\_\_  
 FORCE **FS** WRITE INITIALS IN BOX PERMIT No. **HO-91-0604**

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  
  
 LOCATION OK  
 58' CASING  
 1' ABOVE GR.  
 X WELL 50' OPEN  
 14 BAGS CEMENT  
 6/12/84  
 C. Willian



# APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 29008

P \_\_\_\_\_

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

DISTRICT 5th

*See attached sheet for specs*

DATE 10/11/78

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 ~~Archie W. Broadwater~~ Daniel & Danielle Gilliam

ADDRESS 5435 Broadwater Lane, Clarksville, Md. 21029 PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Broadwater Estates LOT NO. 5

ROAD AND DESCRIPTION off Broadwater Lane 5697 Chamblis Ct.

SIZE OF LOT 3.1 acres m/l 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 T. Gibson

APPROVED BY C. B. Stueker FOR Dry Well + low trench DATE 12/31/79

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

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

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

B.P. # 60953

BLDG. PERMIT SIGNED  
(AND RETURNED) 9-26-84

# THIS IS NOT A PERMIT

#5

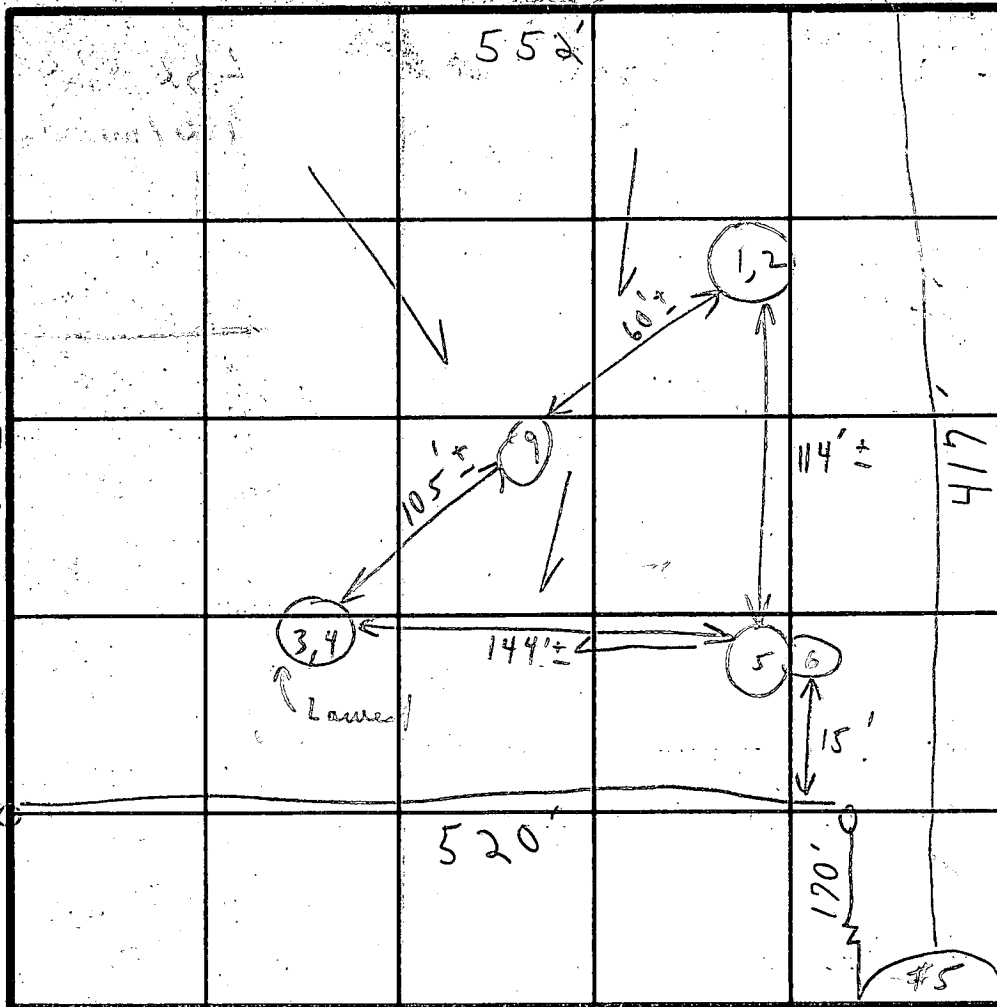
Peninsula

Tree  
pole  
station

SOIL PROFILE

Below city  
Main  
road

192'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/24/78	1	4'	10:45	10:48	10:48	10:53	5m
	② 2	8'	10:50	10:53	10:53	10:58	5m
	③ 3	4'	10:18	10:22	10:22	10:35	13m
	④ 4	8 1/2'	10:29	10:31	10:31	10:34	3m
	5	4'	10:40	10:41	10:41	10:42	1m
	6	8 1/2'	10:39	10:41	10:41	10:45	4m
	7						
	8		No holes		Triangular		see #9
	9	12 1/2'	Visual ok		similar to (1,2)		inlet 3/2 map 9

12' deep

13' deep

12 M.M.B.

(Tests in triangular area on open field)

①, ②, ⑤, ⑥  
similar elevations

REMARKS

TYPE OF SOIL

TESTED BY

C. B. d

ALSO PRESENT

Same as P. M. Ward  
4/20/78



**DEVELOPMENT  
CONSULTANTS  
GROUP**

SUITE 102  
17904 GEORGIA AVE.  
OLNEY, MD 20832

924-4570

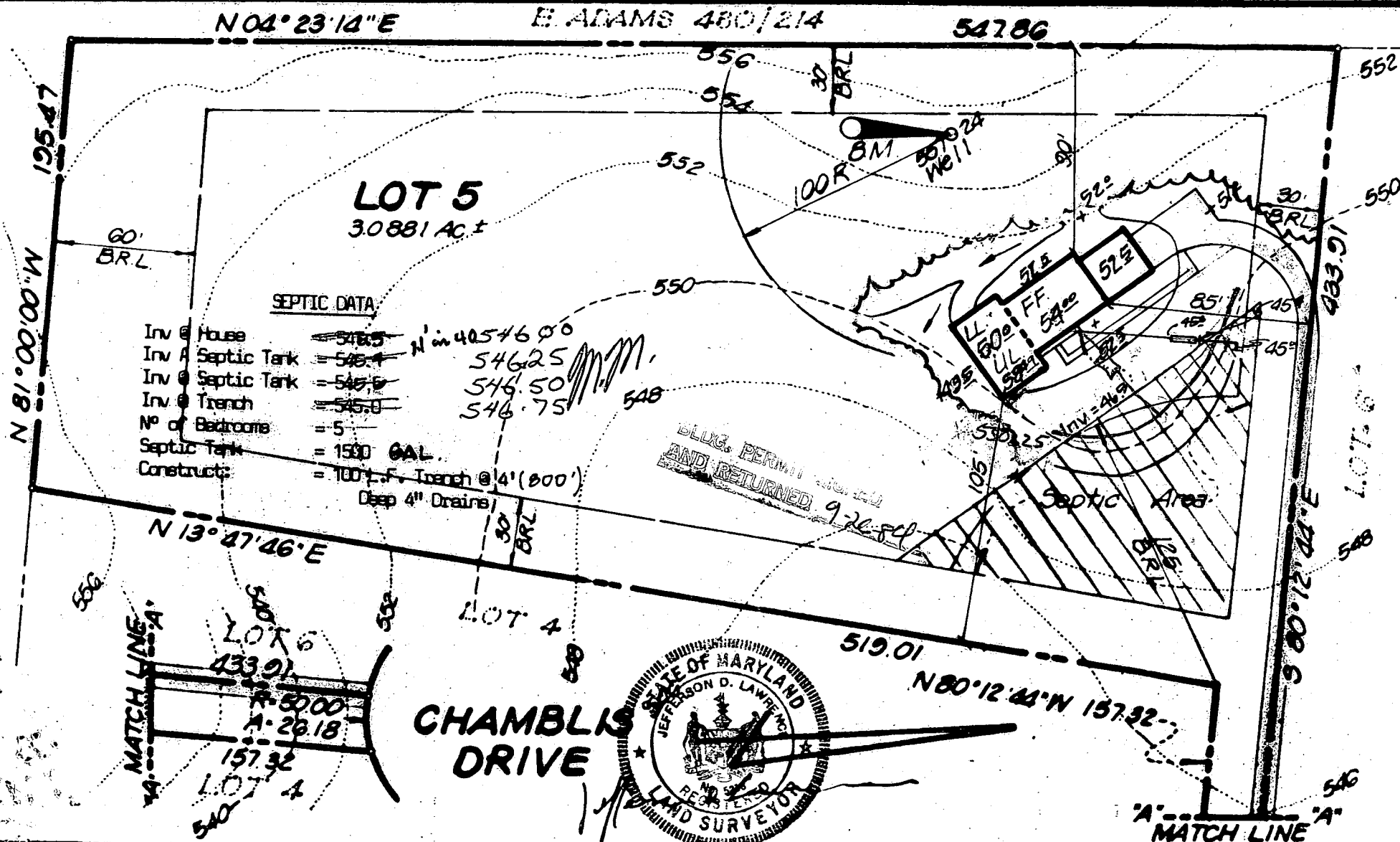
**SITE PLAN  
LOT 5**

9-26-84  
*Elmer Hester  
of L. Hester & Co.*

**BROADWATER ESTATES**

5<sup>th</sup> Election District  
Howard County, Maryland  
Tax Map 28 Parcel 69

JOB NO  
**21-208**  
Scale **1" = 60'**  
DATES  
**Sept 1984**



BP# 60953

C1 3324

SEQUENCE NO. (OEP 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 COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER A 29008

DATE Received, DATE WELL COMPLETED, Depth of Well, PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER GILLIAM DANIEL, STREET OR RFD CHAMBLIS DR, TOWN CLARKSVILLE, SUBDIVISION BROADWATER EST, SECTION, LOT 5

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), Check if water bearing. Includes entries for Top Soil, Sandy, Sand Stone, Micka, Sand Stone, Micka.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS 14, NO. OF POUNDS 1400.

CASING RECORD: casing types (ST, CO, PL, OT), MAIN CASING TYPE (PL), Nominal diameter 6, Total depth of main casing 58.

OTHER CASING (if used) diameter and depth fields.

SCREEN RECORD: screen type (HO), SLOT SIZE 1, 2, 3, DIAMETER OF SCREEN 56.

DEPTH (nearest ft.) table with rows for casing and screen depths.

CIRCLE APPROPRIATE LETTER: A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED.

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 10.17.13 "WELL CONSTRUCTION"

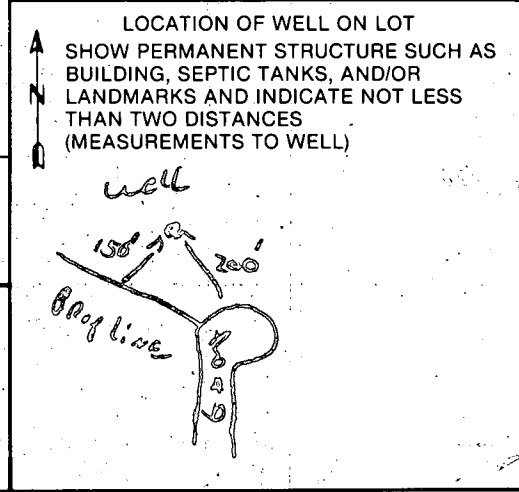
DRILLERS IDENT. NO. 273, DRILLERS SIGNATURE Ralph E. Maynes, SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) T, LOG CASING, WQ, OTHER DATA

PUMPING TEST: HOURS PUMPED 3, PUMPING RATE 4, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL 37, WHEN PUMPING 60, TYPE OF PUMP USED (S) submersible.

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES (NO), CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT (above/below) LAND SURFACE.







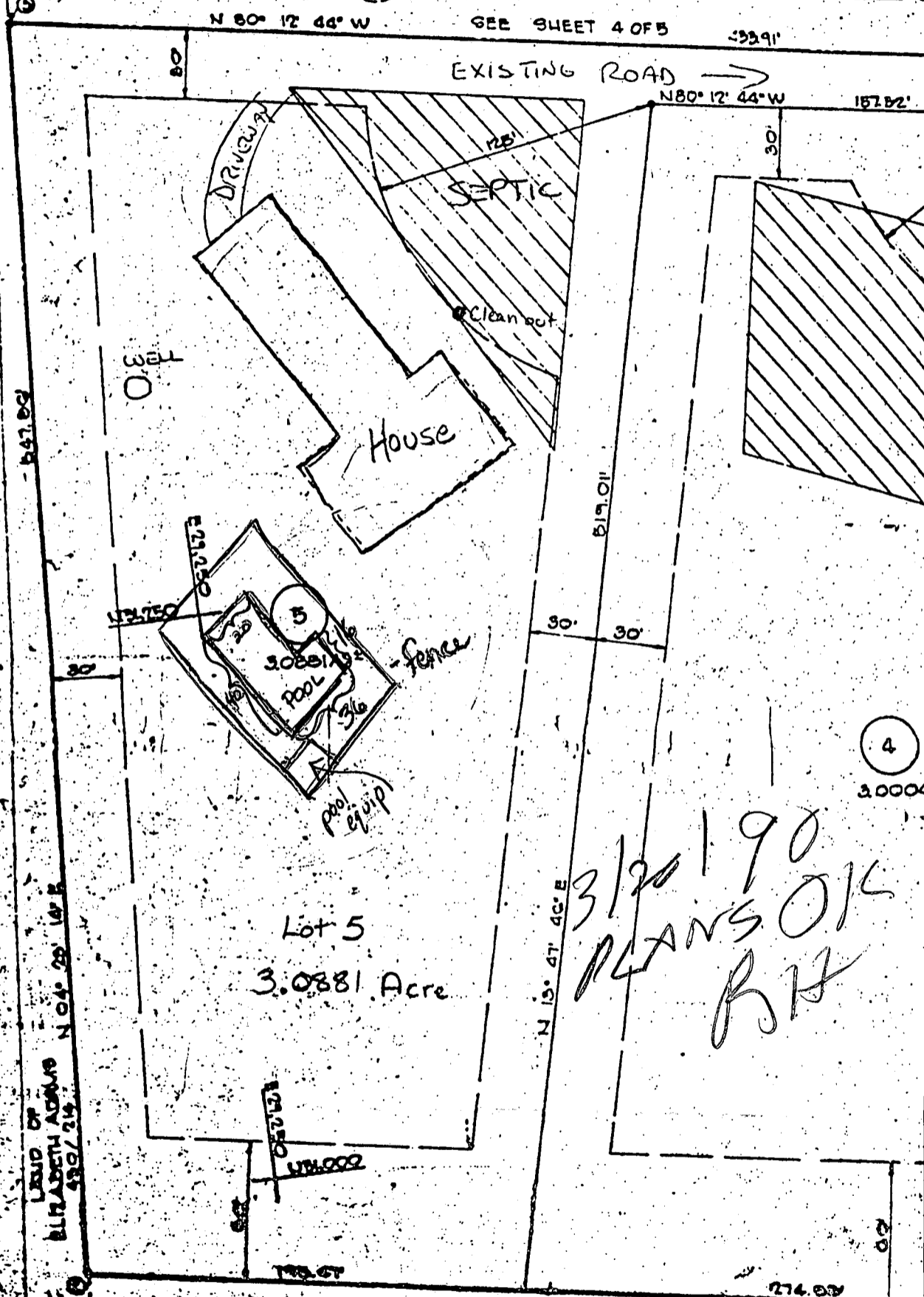
GILLIAM

**NOTE:** THIS AREA CONSTITUTES A PRIVATE SEWAGE EASEMENT OF APPROXIMATELY 10000 SQ FT AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF HEALTH AND MENTAL HYGIENE FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE & SERVICING ANY RESIDENTIAL STRUCTURE CONSTRUCTED ON THIS BUILDING SITE. THIS EASEMENT SHALL BECOME NULL & VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM.

COORDINATES					
No.	NORTH	EAST	6	8	11, 13, 15
1	30,819.15	29,134.90	9	9	31,42
2	30,967.74	29,162.05	10	10	31,39
3	31,513.47	29,203.96	11	11	31,35
4	31,437.73	29,631.56	12	12	31,31
5	31,462.56	29,719.77	13	13	31,31
6	31,444.62	29,750.26	14	14	31,37
7	31,415.48	29,719.16	15	15	31,38

- NOTES**
1. SUBJECT PROPERTY ZONED R DISTRICT (RURAL) AS PER 10/3/77 COMPREHENSIVE ZONING.
  2. COORDINATES SHOWN ON THIS PLAN ARE BASED ON ASSUMED DATUM.

**NOTE:** FLAG OR PIPESTEM LOTS, REFUSE COLLECTION, SNOW REMOVAL AND ROAD MAINTENANCE ARE PROVIDED TO THE JUNCTION OF THE FLAG OR PIPE AND THE ROAD RIGHT-OF-WAY LINE AND NOT THE FLAG OR PIPESTEM DRIVEWAY.



3/20/90  
PLANS OK  
RH

SUBDIVISION		TOTAL SUBDIVISION TABULATION	
1. TOTAL NUMBER OF LOTS	4	1. TOTAL NUMBER LOTS	10
2. TOTAL AREA OF LOTS	12.890283	2. TOTAL AREA OF LOTS	41,081.67
3. TOTAL AREA OF ROADS	0.819284	3. TOTAL AREA OF ROADS	3,427.82
4. TOTAL AREA OF SEWERAGE	12.071000	4. TOTAL AREA OF SUBDIVISION	44,400.49

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEMS BY THE COUNTY AND COUNTY HEALTH DEPARTMENT

*James W. Boyd* 11-14-79  
COUNTY HEALTH OFFICER

APPROVED FOR ZONING BY THE COUNTY HEALTH DEPARTMENT AND ZONING

*Richard Chambers* 12-4-79  
DIRECTOR

APPROVED FOR STORM DRAINAGE SYSTEMS & PUBLIC ROADS TOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

7/23/79