

PERMIT

MARYLAND STATE DEPARTMENT OF HEALTH*

05-389127
INDEXED

DISTRICT 5th

DATE 4/11/86

IS PERMITTED TO INSTALL X ALTER _____

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

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. 8/1/07

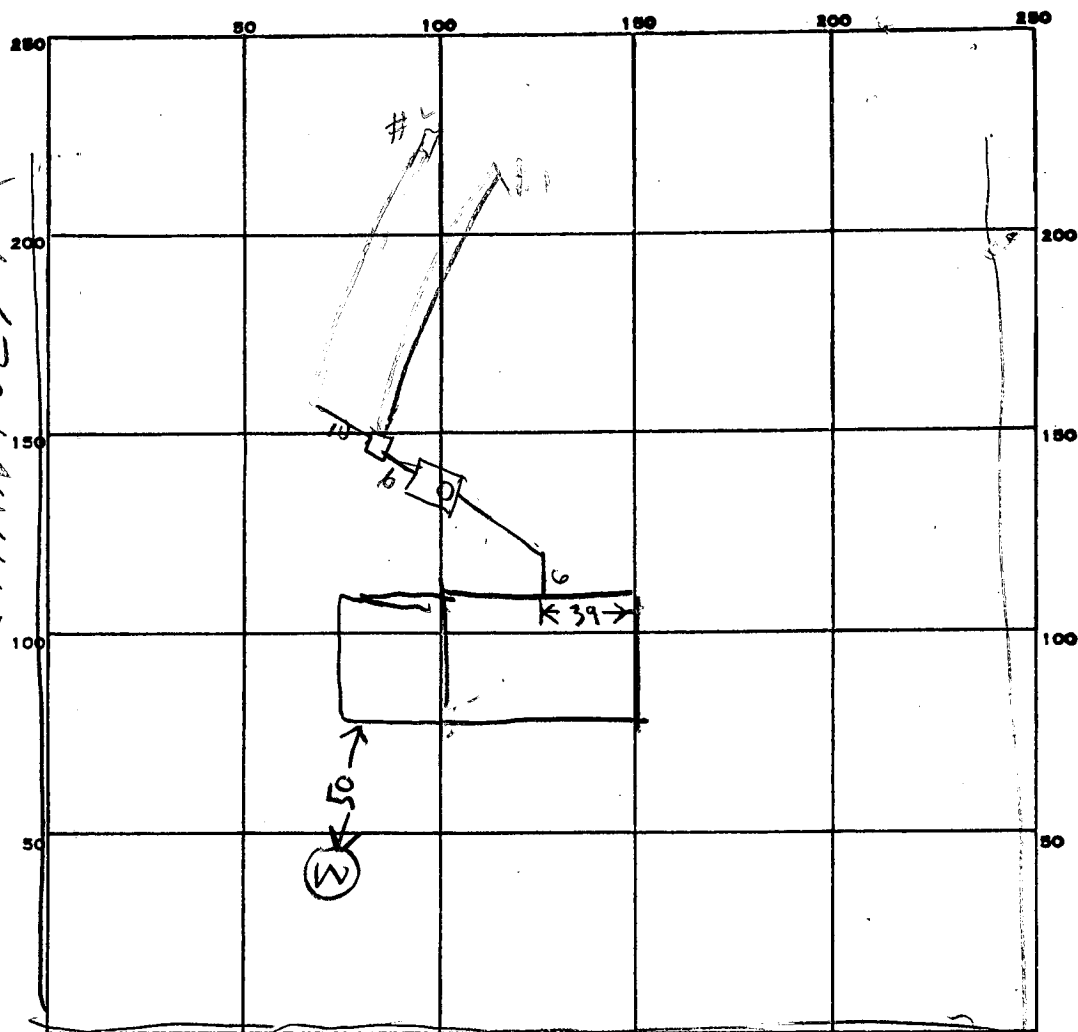
DATE 10/23/85

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. ⁵CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

EH - 2-1082

39

CHAN POLY DP

PERMIT CARD ☒SEPTIC TANK, LEVEL 1500CLEANOUTS OKDISTRIBUTION BOX, LEVEL ☒TILE FIELD, DEPTH

#1	#2
9	9

 FT. TRENCH WIDTH

#1	#2
2	2

 FT.GRAVEL DEPTH 5ft IN. TOTAL LENGTH

#1	#2
79	81

 FT. 160 TOTALNUMBER OF TRENCHES 2 ONE SIDE WALL TOTAL BOTTOM AREA 800 ϕ SEEPAGE PITS, INSIDE DIAMETER FT. DEPTH BELOW INLET FT.ABSORBENT AREA 800 SQ. FT.REMARKS 4/14/LOCATION OK. TRENCHES DUG ADD STONE TO
TRENCHES OK TO COVER TANK & HOUSE SEWER RH4-15-86 OK TO COVER ALL WORK; NEED COVER ON C/O ASAP- CHECK ATTITUDE OF
Well Inspection of H₂O sample. S.A.DATE SYSTEM APPROVED 4-15-86 INSPECTOR S. Abel

SUBDIVISION: BROADWATER ESTATESLOT NUMBER: 9CITAMBLIS DR. DRY WELL OR DRY WELL AND TRENCH

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

Inlet _____ feet below original grade.

Bottom maximum depth _____ feet below original grade.

Effective area begins at _____ 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.

TRENCHES200 sq. ft./bedroomTrench to be 2 wide.Inlet 4 feet below original grade.Bottom maximum depth 9 feet below original grade.Effective area begins at 4 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: PLACE THE DISTRIBUTION BOX 75 FT FROM THE RIGHT
LOT LINE AND 230 FT FROM THE FRONT 227 FT LOT LINE AS
SEEN WHEN FACING LOT FROM CHAMBLIS DRIVE, RUN TRENCHES ON
CONTOUR TOWARD THE BACK AND RIGHT LOT LINE AS SEEN
WHEN FACING THE LOT FROM CHAMBLIS DR. S. 4th

B.P. Ord. # 67880

BLDG. PERMIT SIGNED

AND RETURNED 12-2-85

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

A 29004

P _____

DISTRICT 5TH

DATE 10/23/85

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 MICHAEL MARRIE

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION BROADWATER GST LOT NO. 9

5682
ROAD AND DESCRIPTION CHAMBLIS DR.

SIZE OF LOT _____ TYPE BLDG. _____
(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.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 10-23-85 Perc Results SATISFACTORY; Adjustments to
PLAT SHOWN IN ROD. S.A.M.L. B.P. Appl. # 67880

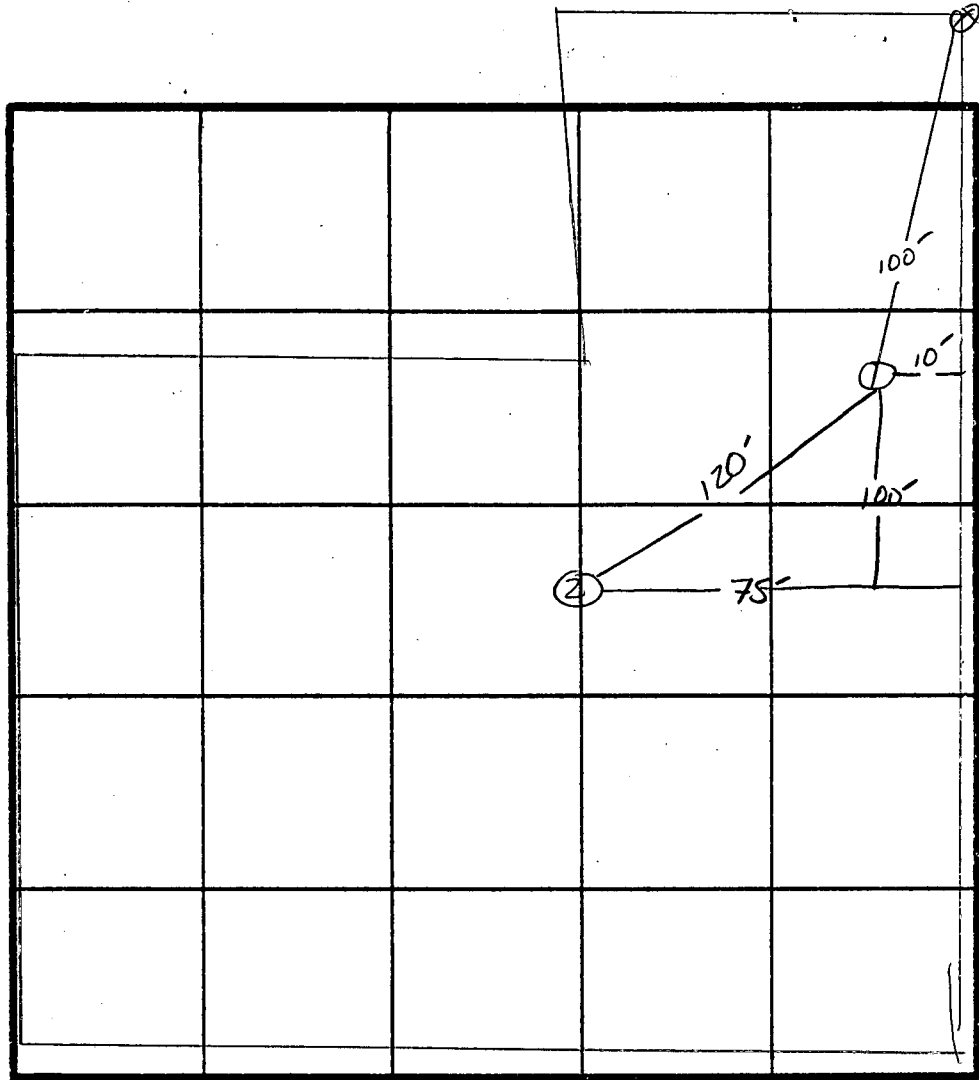
BLDG. PERMIT SIGNED
AND RETURNED 12-2-85

THIS IS NOT A PERMIT

60 steps
105 x 127

① ②
SOIL PROFILE

0"	AP
6"	Yellow BR. SANDY CLAY LOAM micaceous
4'	Yellow Red BROWN micaceous SAND SILT LOAM 210% SAPROLITE
13'	



MAINTAIN
200 Ø/BR
INLET 4'
BOTTOM 9'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/23/85	1 V	13 FE UNIFORM SOIL STRUCTURE BELOW 4' - APPROX PERC					Time 5-8 min
	2 V	13 FE SAME AS HOLE # 1					

REMARKS _____

TYPE OF SOIL Glenalg Silt SAND LOAM

TESTED BY S. Abel

MR. MARIE, C. Cissil

ALSO PRESENT _____

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

A 29004

P _____

DISTRICT 5th

DATE 10/11/78

⊗ See attached sheet for specs

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 Arlie W. Broadwater

ADDRESS 5435 Broadwater Lane, Clarksville, Md. 21029 PHONE _____

PROPERTY LOCATION:

SUBDIVISION Broadwater Estates LOT NO. 9

ROAD AND DESCRIPTION off Broadwater Lane

SIZE OF LOT 3.7 acres m/1 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. Steaker FOR ⊗ Dry Well & 10' trench DATE 1/7/80

REJECTED BY _____ FOR _____ DATE _____

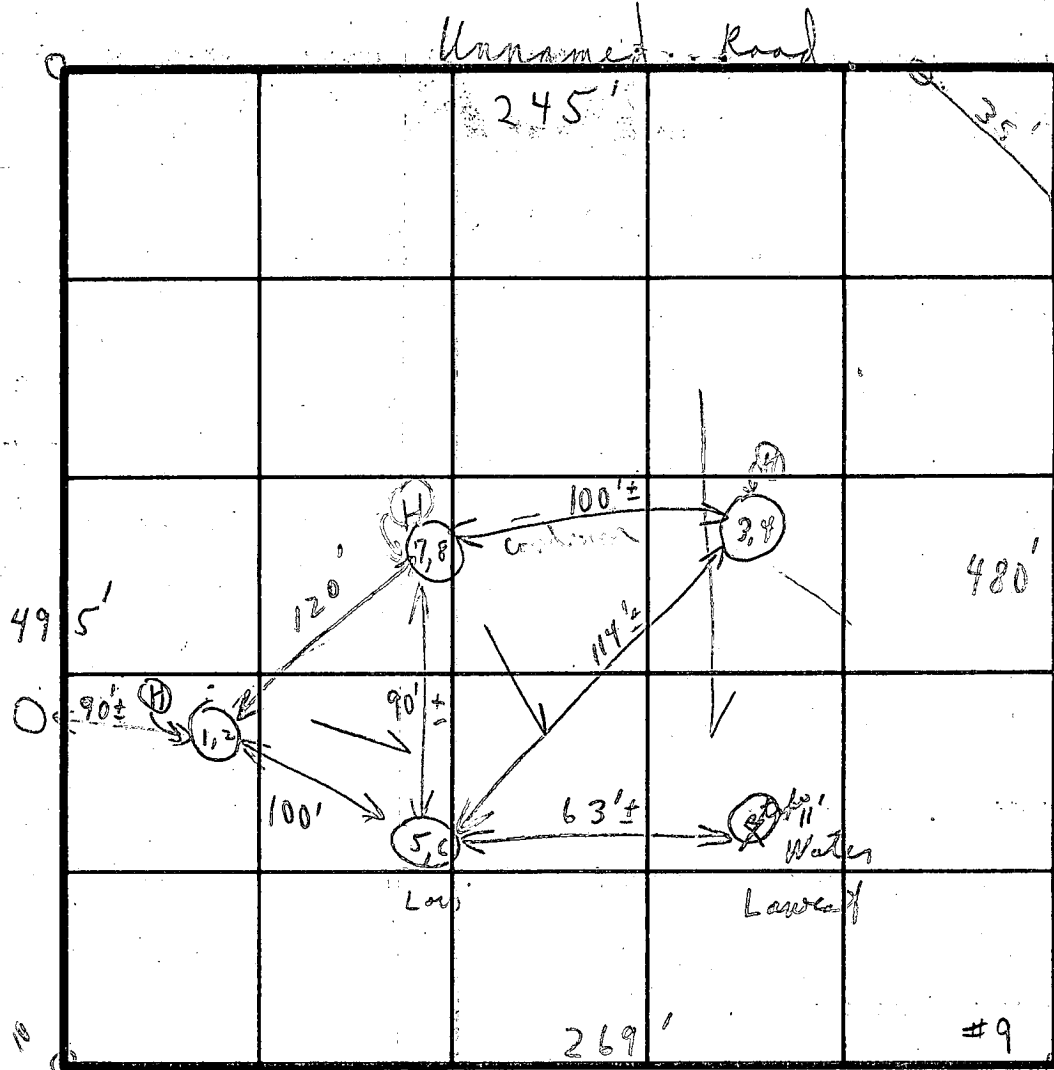
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

THIS IS NOT A PERMIT

#9

SOIL PROFILE

Below
clay
mud
loam

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/22/78	1	5'	12:57	1:02	1:02	1:09	7m
	2	9'	12:58	1:01	1:02	1:06	4m
	3	4 1/2'	12:22	12:25	12:25	12:35	10m
	4	9'	12:22	12:25	12:25	12:31	6m
	5	5'	12:10	12:12	12:12	12:14	2m
	⑥	9 1/2'	12:09	12:18	12:18	12:38	20m
	7	4 1/2'	12:39	12:44	12:44	1:01	17m
	8	9'	12:40	12:44	12:44	12:48	4m

REMARKS

TYPE OF SOIL

TESTED BY

ALSO PRESENT

Tests on high grass - hold for house site check

C. B. S.

{ 2 of men 1 bucket of dirt }
1 diggerinlet 4" dia.
man 9
eff. 4 1/2'

12' deep

(12' deep)

{ 12' deep }

{ 12' deep }

inlet 4" dia.
man 9
eff. 4 1/2'

1800 58.00

1. DRAINAGE & UTILITY

NEW YORK AREA
10-23-85
SAS

NO BASEMENT SERVICE

QUESTIONS

W. C. East

100' LINE FROM well

Septic char's & location of
12-2-85. JF

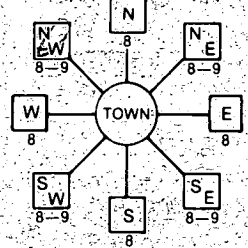
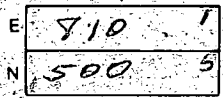
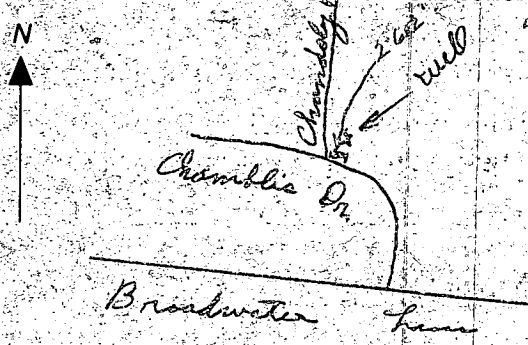
CHANDOLY

EXISTING WELL
OR
ELE. 103'

well ok
B.P. # 67880

BLDG. PERMIT SIGNED
AND RETURNED 7-22-88

← CHAMBLIS DRIVE →

B 1 8631 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)	SEQUENCE NO. (OEP USE ONLY)	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	OEP PERMIT NUMBER 40-81-1141 fill in this form completely
Date Received 10/2/85 9:30 am OWNER INFORMATION 15 Last Name MARRIE Owner First Name MICHAEL 36 Street or RFD 65 LITTLE BRIDGE ROAD 57 Town BOWIE 70 State MD 72 Zip 20715		B 3 LOCATION OF WELL 8 COUNTY HOWARD 21 23 SUBDIVISION BROADWATER ESTATES 42 SECTION 44 46 LOT 7 48 50 52 NEAREST TOWN CLARKSTON 71 MILES FROM TOWN (enter 0 if in town) 1 3/4 73 76 77 78	
DRILLER INFORMATION Driller's Name Joseph C. Mague 77 License No. 80 Firm Name Joseph C. Mague WELL DRILLING Address 5512 Ridge Rd. Mt. Airy, Md 20771 Signature Joseph C. Mague 8/8/85 Date		B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)  NEAR WHAT ROAD Chamblio Drive 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NORTH ☒ WEST ☐ EAST ☐ SOUTH ☐ 34 280 37 DISTANCE FROM ROAD ENTER FT or MI FT 38 39	
B 2 WELL INFORMATION 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 COUNTY NAME HOWARD COUNTY NO. A23004 OEP SIGNATURE Craig Waller STATE HEALTH INSERT 2 DATE ISSUED 08/12/85 CO SIGNATURE Craig Waller EXP. DATE 12/18/85 NORTH GRID 505000 50 55 EAST GRID 0811000 57 63	
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)		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 	
APPROXIMATE DEPTH OF WELL 300 24 28 FEET APPROXIMATE DIAMETER OF WELL 6 INCH METHOD OF DRILLING (circle one) BORED (or Augered) ☒ JETTED ☐ Jetted & DRIVEN ☐ 30 AIR-ROTARY 37 AIR-PERCUSION ROTARY (Hydraulic Rotary) CABLE ☐ REVERSE-ROTARY ☐ DRIVE-POINT ☐ other		10/21/85 SEE OTHER SIDE 10/23/85 SEE OTHER SIDE	
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 39 ☐ THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY ☐ THIS WELL WILL DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52		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) APPROP. PERMIT NUMBER GAP 54 63 FORCE CW 67 68 WRITE INITIALS IN BOX PERMIT NO. 40-81-1141 70 71 72 73 74 75 76 77 78 79			
SPECIAL CONDITIONS			

10-23-85

WELL LOCATED WITHIN EXISTING SEPTIC AREA DUE TO
DRY HOLE IN HIGHER AREA. PERC FIELD LOCATED IN
NEW AREA. SHOWN IN RED ON PLATS.

PO/2/85

- ① 35 FT casing
- ② LOCATION WRONG SEE
PLAT SHEET
- ③ 31 FT OPEN HOLE MEASURED WITH
A STRING
- ④ 2 BAGS
- ⑤ EACH DRY HOLE TOOK 3 BAGS
EACH 2 DRY HOLES

B12

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 81-1141
Location of property (road) Chamblie Drive
Subdivision Broadwater Lot 9 Block Plat Sec.
Well Driller Joseph Mayne Owner Michael Marrie

Depth of well 2.23
Distance of measuring point (M.P.) above ground 2
Static water level (S.W.L.) below M.P. 30

I. High rate pumping -- reservoir drawdown

Time pump started 130 Pumping rate 9
Total time 30 MIN to reach pumping water level 29 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

[illegible]

Sample collected 1030 AM

C1	2398	SEQUENCE NO. (OEP 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	A29004

DATE RECEIVED	DATE WELL COMPLETED	Depth of Well	PERMIT NO.
8 13	100285	22 225 26 (TO NEAREST FOOT)	FROM "PERMIT TO DRILL WELL" HO-81-1141
OWNER: MARRIE MICHAEL			
STREET OR RFD: last name CHAMBLIS DRIVE first name TOWN CLARKSVILLE			
SUBDIVISION: BROADWATER ESTATES SECTION LOT 9			

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 FROM TO
Brown Shale	0 32
CRAPPY Mica Rock	32 225
DRY Wells 320' 285'	
Filled in with cement & DRILLING MATERIALS	

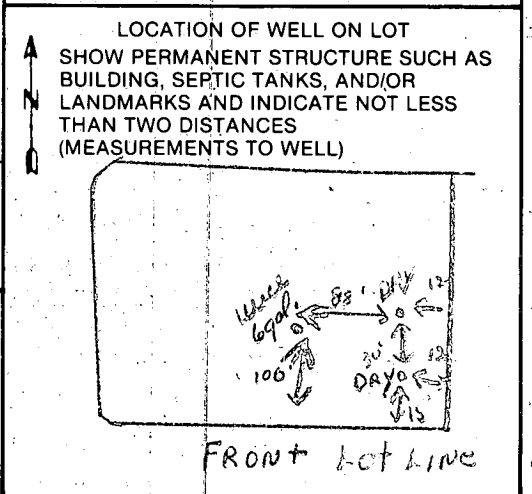
GROUTING RECORD	
WELL HAS BEEN GROUTED (Circle Appropriate Box)	
TYPE OF GROUTING MATERIAL	
CEMENT CM	BENTONITE CLAY BC
NO. OF BAGS 8	NO. OF POUNDS 252
GALLONS OF WATER 48	
DEPTH OF GROUT SEAL (to nearest foot)	
from 0 ft. to 31 ft.	
CASING RECORD	
casing types insert appropriate code below	
ST CO STEEL CONCRETE	
PL OT PLASTIC OTHER	
MAIN CASING TYPE	
Nominal diameter top (main) casing (nearest inch)	
Total depth of main casing (nearest foot)	
57 6 35	
OTHER CASING (if used)	
diameter inch depth (feet) 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 40 33 225	
2 23 24 26 30 32 36	
3 38 39 41 45 47 51	
SLOT SIZE 1 2 3	
DIAMETER OF SCREEN (NEAREST INCH)	
56 60	
GRAVEL PACK	
IF WELL DRILLED WAS FLOWING WELL INSERT	
F IN BOX 68	
OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
T (E.R.O.S.) WQ	
70 72 74 75 76	
TELESCOPE CASING LOG INDICATOR OTHER DATA	

PUMPING TEST	
HOURS PUMPED (nearest hour) 3	
PUMPING RATE (gal. per min. to nearest gal.) 6	
METHOD USED TO MEASURE PUMPING RATE bucket	
WATER LEVEL (distance from land surface)	
BEFORE PUMPING 30	
WHEN PUMPING 90	
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 2 (nearest foot)	
- below }	

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 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. 238	
DRILLERS SIGNATURE Joseph L. Mayne	
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	

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)	
HEALTH	

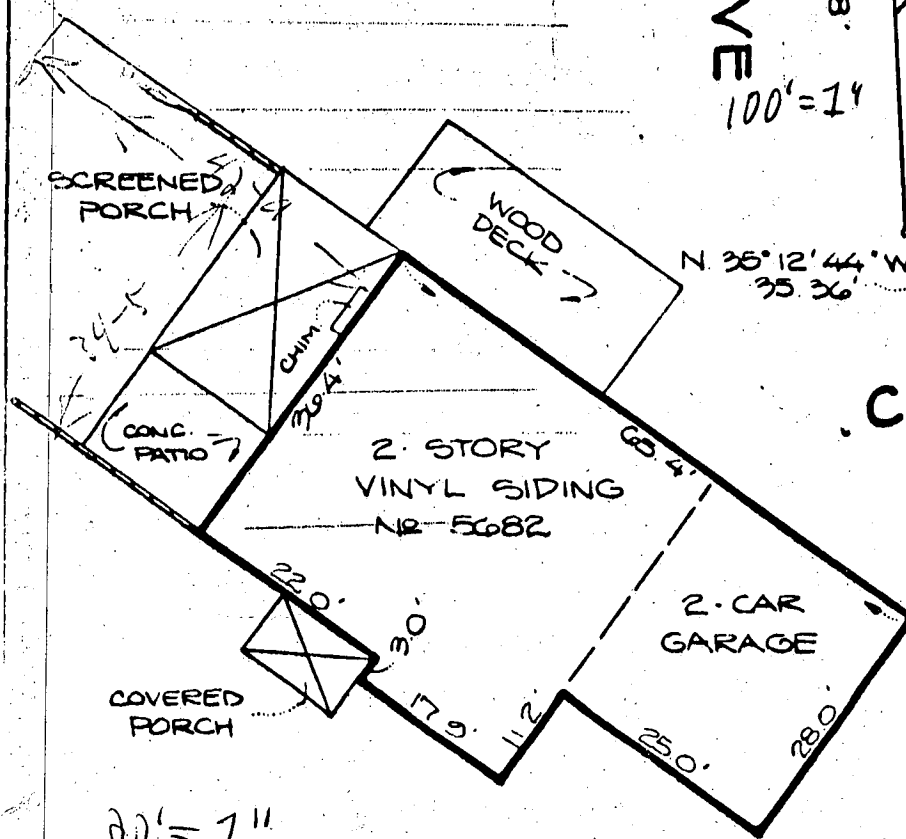


Well Permit No. HO - 81-1141
Location of property (road) Chamblis Dr.
Subdivision BRAA Duwater Estates Lot 9 Block Plat Sec.
Well Driller Joseph Mayne Owner Michael Makrie

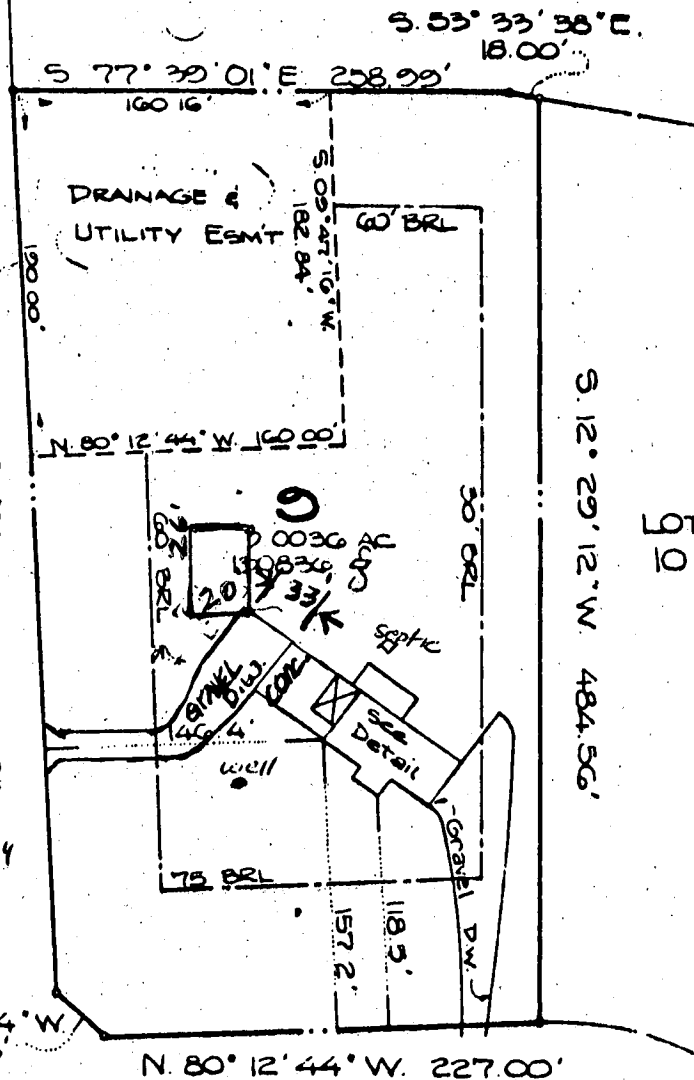
Depth of well 225
Distance of measuring point (M.P.) above ground 2
Static water level (S.W.L.) below M.P. 30

Time pump started 7:30 Pumping rate 9
Total time 30min to reach pumping water level 88 ft. below M.P.

[illegible]



CHANDOLY DRIVE
(50' R/W)



CHAMBLIS DRIVE
(50' R/W)

HOUSE LOCATION SURVEY

3RD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

LOT	BLOCK	SECTION	SUBDIVISION
9			BROADWATER ESTATES
SCALE: See Above		This property lies within a minimal flood hazard area by FEMA/HUD Zone: C Panel: 007 Map: 240011 Revised: 7-19-82 No title report furnished.	
DATE: Oct. 1, 1986			
Free State Title Case # 86-649			
		SURVEYOR'S CERTIFICATE: I hereby certify that the position of all the existing improvements on the above described property has been carefully established by a transit-tape survey and that unless otherwise shown, there are no encroachments. No Property Corners Set	
		CIVIL ENGINEERING LAND SURVEYING LAND PLANNING (301) 952-1060	
5300 WATER STREET, UPPER MARLBORO, MARYLAND 20772			