

11/27/84
10:30

W.P.I.
12/17/84

approved
11/27/84

PERMIT

P 34576
A 30751

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

INDEXED

11/27/84 WELL INSPECTION -
WELL COLLAPSED TO 30'
NO WATER IN WELL.
CW... ..

ELLICOTT CITY
DISTRICT 1st
DATE 11/15/84

Jack Fyock IS PERMITTED TO INSTALL X ALTER 596-0968
ADDRESS 13775 Triadelphia Road, Glenelg, MD 21737 PHONE 988-9270
SUBDIVISION Talbot's Last Shift ROAD 5236 Talbot's Landing LOT 5AB
PROPERTY OWNER Glarence Carvell DANIEL O'BRIEN

ADDRESS _____

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

GARBAGE GRINDER? YES X NO _____

SEPTIC TANK CAPACITY 1500 GALLONS NUMBER OF BEDROOMS 3

TRENCHES - 158 sq. ft. per bedroom. Trench to be 2 feet 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. LOCATION: Locate the trench at the point that is 175 feet from the front (108.91 ft. long) lot line and 37 feet from the right (609.30 ft. long) lot line. Continue to dig the trench on level ground the necessary distance, running towards the left side of the lot.

NOTE: No trench to exceed 100 feet in length. If more than one trench used, a distribution box is required. Trenches to be installed on level ground. Call for inspection of trench before and after gravel is installed. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank.

BLDG. PERMIT SIGNED
AND RETURNED 12-8-88
Serial # 20115343
addition - deck.

PLANS APPROVED BY Frank Skinner DATE 6/14/84

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.

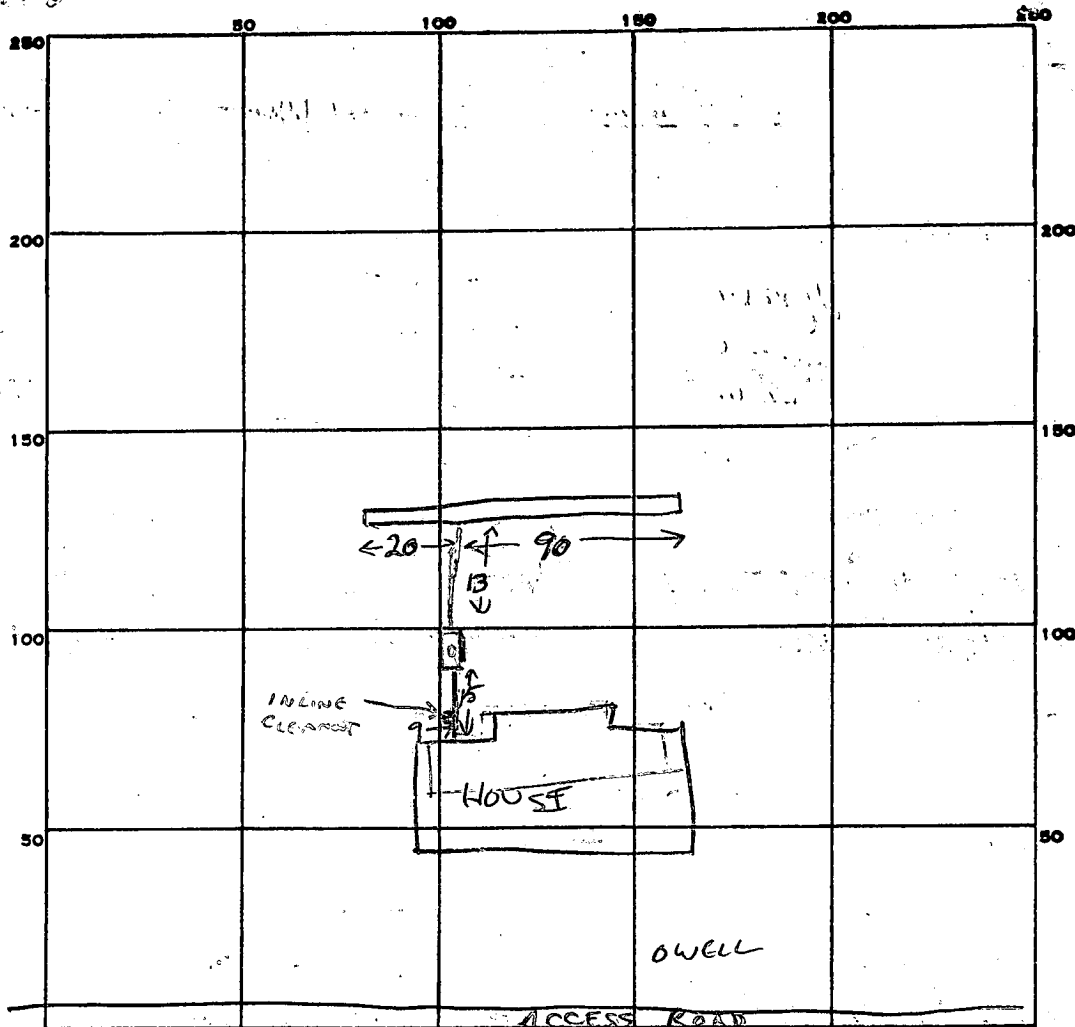
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 30751



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD ☒

SEPTIC TANK, LEVEL ☒

CLEANOUTS ☒ IN LINE ☒ ST

DISTRIBUTION BOX, LEVEL ☒

TILE FIELD, DEPTH 9 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 5 FT IN. TOTAL LENGTH 110 FT.

NUMBER OF TRENCHES 1 ONE SIDEWALL TOTAL BOTTOM AREA 550

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

ABSORBENT AREA 550 SQ. FT.

REMARKS 11/26/84 TRENCH OK TO ADD GRAVEL. CW

11/27/84 SYSTEM COMPLETE. OK TO COVER. CW

DATE SYSTEM APPROVED 11/27/84

INSPECTOR Chellian

Lot 5-CD

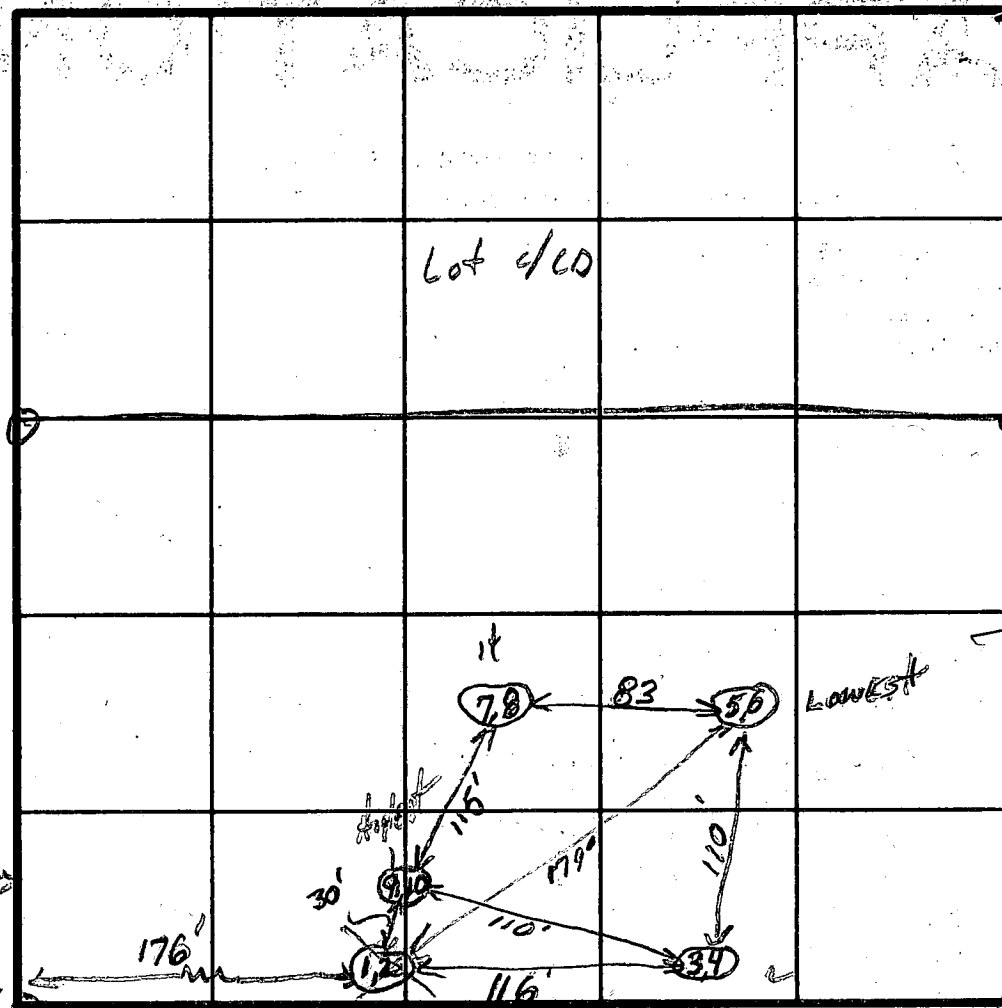
FIELD SHEET

Tests per stake

A30751

SOIL PROFILE

Lot 4-CD



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Soil Profile

50

Lot 5-CD

	DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
				START	STOP	START	STOP	
1-3 clay	7-1-80	1	3	11:58	12:00	12:00	12:03	3 min
3-12 clayish		(2)	12 1/2	11:58	12:18	12:18	X	3/4" Failed
Sandy loam		(2A)	11'	2:00	3:00	3:00	X	3/4" Failed
1-4 clay		3	4'	12:15	12:16	12:16	12:19	3 min
4-12 sandy loam		4	17	12:15	12:16	12:16	12:19	3 min
1-4 clay		5	4	2:21	2:25	2:25	2:30	5 min
4-12 sandy loam		6	12	2:21	2:25	2:25	2:31	6 min
1-3 1/2 clay		7	12 1/2	2:36	2:37	2:37	2:38	1 min
3 1/2-12 1/2 sandy loam		8	3 1/2	2:36	2:39	2:39	2:39	10 min
1-4 1/2 clay	7-2-80	9	4 1/2	12:10	12:12	12:12	12:14	2 min
4 1/2-12 1/2 sandy loam		10	10 1/2	12:10	12:15	12:15	12:23	8 min

REMARKS

Tests in cornfield 3ft high Held for cylindrical holes & expansion

TYPE OF SOIL

TESTED BY

SK+EK 7-1-80 + 7-2-80

ALSO PRESENT

D. Rev. 10/83

REMARKS

C 1 4837	SEQUENCE NO. (WRA USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE	THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL IS COMPLETED COUNTY NUMBER <u>A30751</u>
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Date Received (WRA use only) <u>1/15/81</u>	DATE WELL COMPLETED <u>1/15/81</u>	Depth of Well <u>125</u> (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL" <u>170-73-376.5</u>
--	---------------------------------------	--	--

OWNER <u>Evans</u> last name	<u>Warren</u> first name
STREET OR RFD <u>3696 Park Avenue</u>	
SUBDIVISION <u>Talbots last shift</u>	
SECTION	LOT <u>5 A/B</u>

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	Check if water- bearing
Top Soil	0 2	
Brown Shale	2 18	
Brown Slate	18 20	
Brown Clay	20 24	
Brown Sandstone	24 50	
Brown Sandstone	50 54 112	
Brown Sandstone	52 63	
Granite	63 125	

WELL HAS BEEN GROUTED (Circle Appropriate Box)	
YES <input checked="" type="checkbox"/> Y	NO <input type="checkbox"/> N
TYPE OF GROUTING MATERIAL	
CEMENT <input checked="" type="checkbox"/> CM	BENTONITE CLAY <input type="checkbox"/> BC
NO. OF BAGS <u>6</u> NO. OF POUNDS <u>564</u>	
GALLONS OF WATER <u>36</u>	
DEPTH OF GROUT SEAL (to nearest foot)	
from <u>0</u> ft. to <u>26</u> ft.	(enter 0 if from surface)

CASING RECORD		
casing types insert appropriate code below	<input checked="" type="checkbox"/> ST STEEL	<input type="checkbox"/> CO CONCRETE
	<input type="checkbox"/> PL PLASTIC	<input type="checkbox"/> OT OTHER
	MAIN CASING TYPE	
	Nominal diameter top (main casing) (nearest inch) <u>1 1/2</u>	
Total depth of main casing (nearest foot) <u>125</u>		

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

SCREEN RECORD			
screen type or openhole insert appropriate code below	<input checked="" type="checkbox"/> ST STEEL	<input type="checkbox"/> BR BRASS	<input type="checkbox"/> HO OPEN HOLE
	<input type="checkbox"/> PL PLASTIC	<input type="checkbox"/> OT OTHER	
	Diameter of screen (nearest inch)		
	Depth of screen (nearest foot)		

C 2 (seq. no.)	
DEPTH (nearest ft.)	
<u>0</u> <u>125</u>	

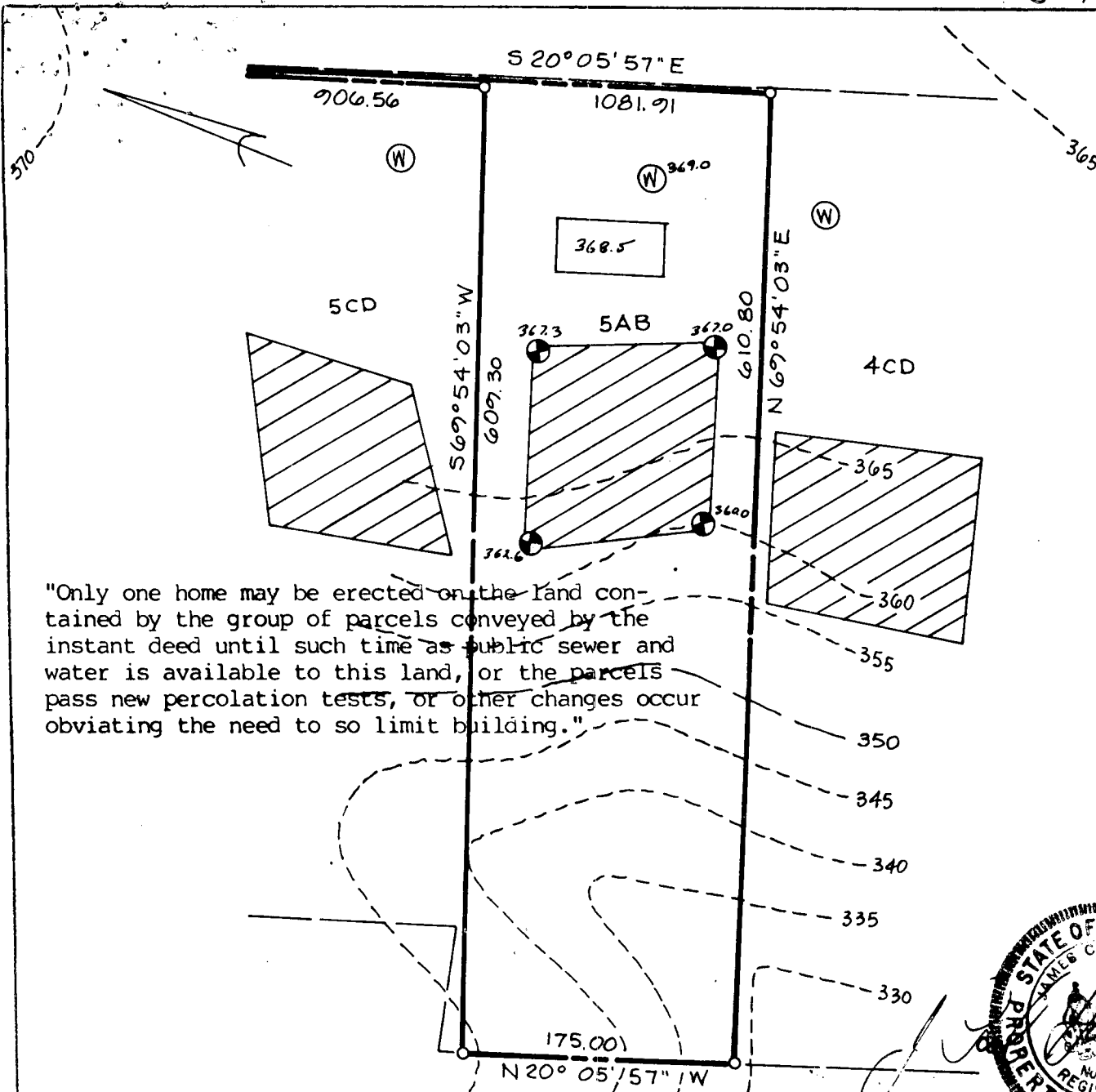
CIRCLE APPROPRIATE BOX	
<input type="checkbox"/> A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	
<input type="checkbox"/> E ELECTRIC LOG OBTAINED	
<input type="checkbox"/> P TEST WELL CONVERTED TO PRODUCTION WELL	
I HEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL", AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.	
DRILLERS IDENT. NO. <u>308</u>	
DRILLERS SIGNATURE <u>[Signature]</u>	
(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 CIRCLE BOX <input type="checkbox"/> F	
WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
T	(E.R.O.S.)
70 <input type="checkbox"/>	72 <input type="checkbox"/>
TELESCOPE CASING	LOG INDICATOR
OTHER DATA	

C 3 (seq. no.)		
PUMPING TEST		
HOURS PUMPED (nearest hour) <u>4</u>		
PUMPING RATE (gal. per min. to nearest gal.) <u>12</u>		
METHOD USED TO MEASURE PUMPING RATE <u>Bucket</u>		
WATER LEVEL (distance from land surface)		
BEFORE PUMPING <u>40</u>		
WHEN PUMPING <u>125</u>		
TYPE OF PUMP USED (for test)		
<input checked="" type="checkbox"/> A air	<input type="checkbox"/> P piston	<input type="checkbox"/> T turbine
<input type="checkbox"/> C centrifugal	<input type="checkbox"/> R rotary	<input type="checkbox"/> O other (describe below)
<input type="checkbox"/> J jet	<input type="checkbox"/> S submersible	

PUMP INSTALLED	
YES <input checked="" type="checkbox"/> Y NO <input type="checkbox"/> N	
DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX)	
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE	
TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: (A, C, J, P, R, S, T, O))	
CAPACITY: GALLONS PER MINUTE (to nearest gallon)	
PUMP HORSE POWER	
PUMP COLUMN LENGTH (nearest ft.)	
CASING HEIGHT (circle appropriate box and enter casing height)	
<input checked="" type="checkbox"/> + above	LAND SURFACE
<input type="checkbox"/> - below	(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)	
<u>House</u>	
<u>40'</u>	
<u>30'</u>	



This area indicates a private easement of approximately 10,000 square feet as required by the Maryland State Department of Health and Mental Hygiene for individual disposal. Improvements of any kind in this area are restricted until public sewage is available and servicing any residential structures constructed on this site. This easement shall become null and void upon connection to a public sewage system. Percolation test holes shown hereon have been field located and shown as "●".

The lots shown hereon comply with the minimum ownership width and lot areas as required by the Maryland State Department of Health and Mental Hygiene. Percolation areas and water wells for adjoining lots have been shown where pertinent.

APPROVED: For Private Water and Private Sewage Systems

Joseph M. Boyles
County Health Officer

11-7-80

Date

PERCOLATION TEST PLAT
PARCEL 5AB
TALBOT'S LAST SHIFT
PROPERTY OF
HOWARD ASSOCIATES
ILCHESTER ROAD
1st Election District
Howard County Maryland
Scale: 1"=100' Date: 7-10-80

NTT Associates
Suite 307
Clark Bldg.
Columbia Md. 21044
321-0307

WELL ABANDONMENT REPORT

Date 12/17/84

Permit Number of abandoned well (if any)

--	--	--	--	--	--	--	--	--	--

Driller's Name Kyker, Ronald L.
Last FirstOwner's Name O'Brien, Daniel
Last First

Well Location:

 County Howard
 Subdivision Talbot's Last Shift
 Section Lot 5 A/B
 Nearest Town Ellicott City
 Maryland Grid Location

E	860
N	500

0/5	5
X	
0/0	5

Show well location by (x) within box

Type of Well

- ☒ Drilled
☐ Jetted
☐ Bored or Augered
☐ Other, specify

Depth of Well 125' Feet

Type of Casing

- ☒ Steel
☐ Plastic
☐ Concrete
☐ Other, specify

Size of Casing 5 5/8 Inches
 Was any case removed ☐ Yes ☒ No
 if yes amount removed _____ (feet)

 Was casing ripped or perforated ☐ Yes ☒ No

Log of Sealing Material

Material	Feet	
	From	To
Filled to 32 Feet w/ Cuttings 32 of top with concrete		

Driller

Ronald L. Kyker
 (Signature)
License # 296

C13013

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

A30751

DATE Received

DATE WELL COMPLETED

121484

Depth of Well

2278

(TO NEAREST FOOT)

PERMIT NO.

FROM "PERMIT TO DRILL WELL"

NO-81-0808

OWNER

O'Brien

Daniel

last name

first name

STREET OR RFD

ILCHESTER RD

TOWN

ELLICOTT CITY

SUBDIVISION

TALBOTS LAST SHIFT

SECTION

LOT

5 A/B

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

Check
if water
bearing

Red Clay

1

2

Red Clay & Brn.
Sand

12

40

X

Hard Brn. Sand-
Stone

40

44

Granite

44

51

Soft Red Sand

51

52

Granite

52

61

Soft Red Sand

61

62

Granite

62

80

Blue & Brown
& White Sand-
Stone

80

90

Blk. Sandstone

90

140

X

Blue Mica mixed
w/Blue Sand-
stone

140

190

Brn, Wht. &
Blue Sandstone

190

220

X

Brn, white &
Blk. Sand-
stone

220

278

GROUTING RECORD

yes

no

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL

CEMENT

CM

BENTONITE CLAY

BC

NO. OF BAGS

26

NO. OF POUNDS

2484

GALLONS OF WATER

156

DEPTH OF GROUT SEAL (to nearest foot)

from

0

ft. to

6

ft.

(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
below

STEEL

CONCRETE

PLASTIC

OTHER

MAIN CASING TYPE

ST

Nominal diameter
top (main) casing
(nearest inch)

6

Total depth
of main casing
(nearest foot)

69.6

OTHER CASING (if used)

diameter
inch

depth (feet)
from

to

SCREEN RECORD

screen type
or open hole

insert
appropriate
code
below

STEEL

BRASS

OPEN HOLE

PLASTIC

OTHER

DEPTH (nearest ft.)

1

2

3

4

5

6

7

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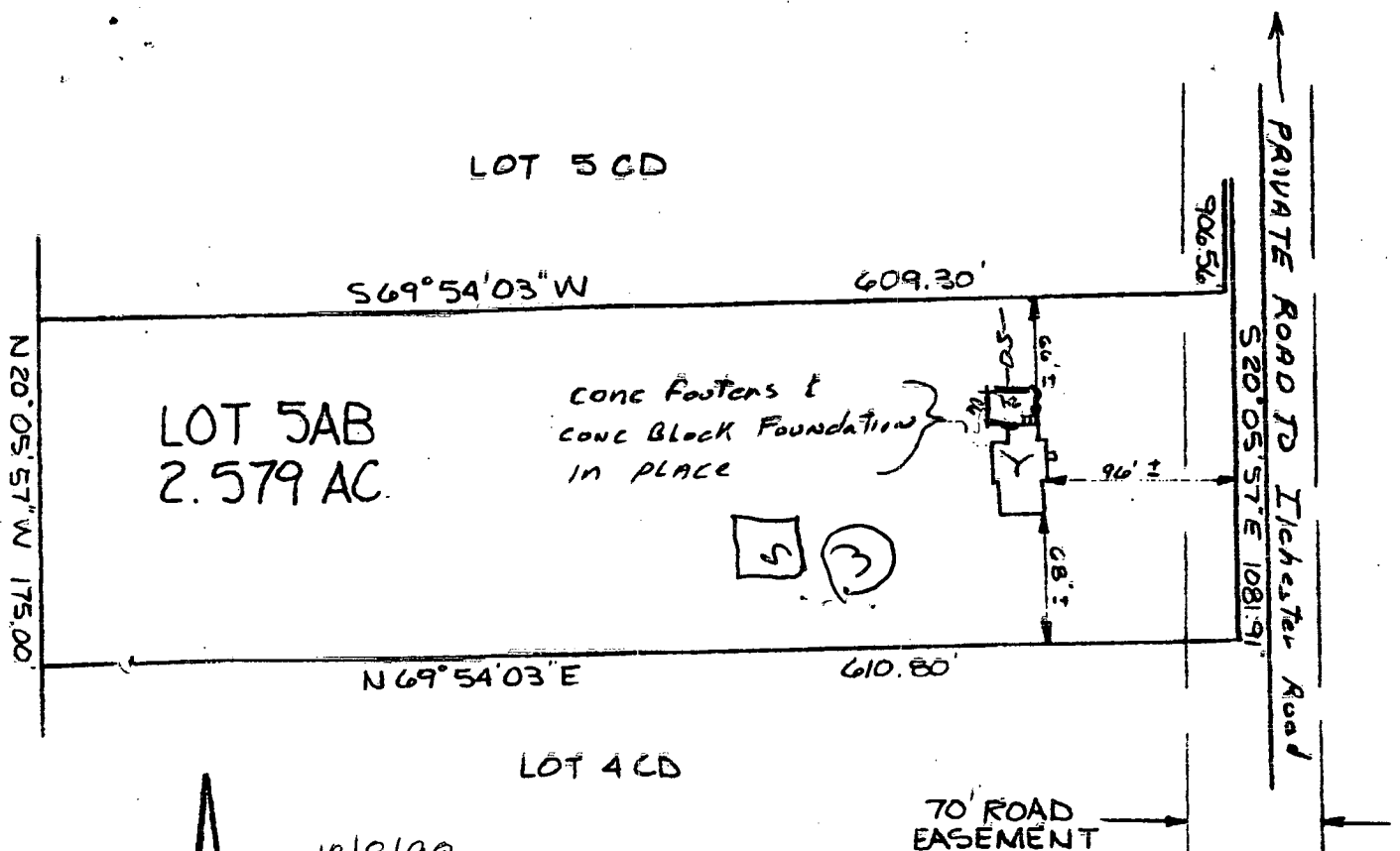
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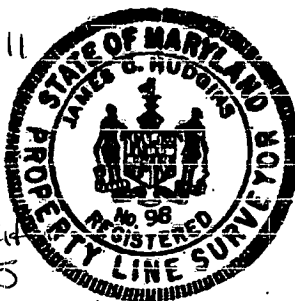
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12/8/98
 Shown 2-story addition,
 bedroom, kitchen
 extension & den, will
 have no impact to
 the existing well &
 septic.
 Septic tank capacity
 sufficient for a 5
 bedroom house,
 addition will make house
 have a total of 4 bedrooms.
 Trench capacity is sufficient for 3.5



This is to certify that I have surveyed
 the property shown hereon, being the same
 property conveyed by Earnistine Evans to
 Daniel J. & Ileana C. O'Brien by deed dated
 May 31, 1984 and recorded among the land
 records of Howard County, Maryland in Liber
 1254 at Folio 408, for the purpose of locating
 the improvements thereon.

bedrooms so also
 slightly
 oversized
 initially OK
 to proceed

LOCATION SURVEY
 5037 ILLCHESTER RD.
 1ST ELECTION DISTRICT
 HOWARD COUNTY, MD
 SCALE 1"=100'
 DATE 9/19/84

J. Carl Hudgins
 J. Carl Hudgins PLS#96

Ann M. Miller