

10x ID - 01-185160
PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
461-9933

INDEXED

P 47880

A REPAIR

DISTRICT _____

DATE 3/4/92

DATE SYSTEM APPROVED 3-20-92

INSPECTOR AP

Paul Schissler/South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL _____ ALTER X

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Talbot's Last Shift LOT 10, ABC ROAD 5245 Talbot's Landing

PROPERTY OWNER Arne & Debbie Ellgard
5245 Talbot's Landing

ADDRESS Ellicott City, Maryland

SEPTIC TANK CAPACITY 1500 existing Septic tank
1250 GALLONS

NUMBER OF BEDROOMS 4

125 SQUARE FEET PER BEDROOM 31500
167 Lf/In

LINEAR FEET OF TRENCH REQUIRED 167 minimum

REPAIR - PURPOSE - Failing Septic System Disconnected From E 3/02/92

BLDG. PERMIT SIGNED

AND RETURNED 7-24-97

*Serial # B0105063
2-80' 3 1/2" pipe
3 ft wide, 1st 4 1/2 ft deep, tub. then shallower (3 1/2 ft max when possible)
Rep 1 1/2' cover
gauge*

Install at least 2 Trenches, 80 Ft Long, 3 ft wide, 3 1/2' to 4' deep (stay above thin clay layer @ 1/2' deep where Fall from existing system permits it). Use 1 1/2 ft of stone fill and 1 1/2 ft of soil cover.

Existing Dry well may be connected, but favor water flow to newer lines. Use separate distribution box for 3 line system RPP 3-18-92

PLANS APPROVED BY CW. RPP DATE 3-18-92

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**

HD-260(6-90)

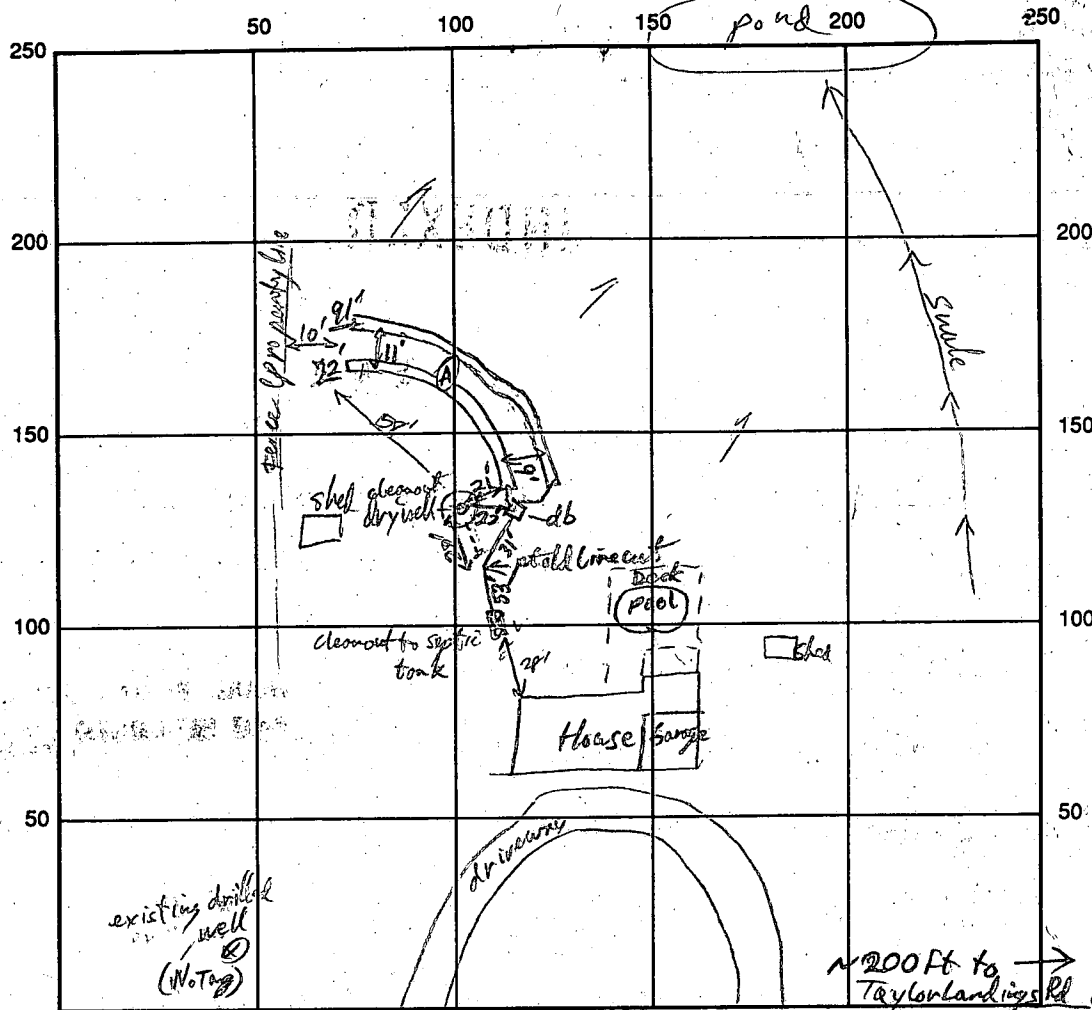
*CALL 461-9933 FOR INSPECTION OF SEPTIC SYSTEM.

BLDG. PERMIT SIGNED

AND RETURNED 9/24/96

*Serial # B0102378
attached work slip*

P
47880



SEPTIC TANK LEVEL 1500 gal existing CLEANOUTS existing S.T. + dry well
 DISTRIBUTION BOX LEVEL ✓ (water test by accident; both drain boxes are level of db / used hydrolic cement)
 DRAIN FIELD/TITLE DEPTH 4 1/2' 4 1/2' FT. TRENCH WIDTH 3' FT. INLET DEPTH 3' 2 1/2' FT.
 EFFECTIVE GRAVEL DEPTH 1 1/2' 2 FT. TOTAL LENGTH 92' 91' FT.
 NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 206 / 273 SQ. FT.
 DRYWALL INSIDE DIAMETER _____ FT. EFFECTIVE DEPTH BELOW INLET _____ FT.
 ABSORBENT AREA 490 SQ. FT.

REMARKS: Test Hole A Notes begin at 7', brown light grey filler to 8 1/2', Purple-grey sands below 8 1/2' - Reddish Yellow Clay layer @ 4 1/2' - 5' deep. 3/18/92
1st Trench installed on Contour (4 1/2' deep) only 62' long, inlet @ 3 ft, gravel cover to 2 1/2' below grade - OK to cover First
trench; call for rest of system when weather permits. R/P 3-18-92 Second Trench dug gravel filled - OK to cover
Need to set dist box & connect to old dry well - db level, need to drain ditch between db & dry well, lay connection pipe
2 or 2 1/2' & cap off inside db. - OK to cover after complete R/P 3-20-92

DATE SYSTEM APPROVED 3-20-92

INSPECTOR Paul Phillips

SOIL DESCRIPTION

NAME Arnet Debbie Elgard COUNTY Howard FILE NO P47880 (A 3/28)
 SOIL MAP UNIT Sassafras MAP SYMBOL SLC₂-SL₂ DATE 3/10/82
 GEOLOGIC MATERIAL Unconsolidated sand and gravel ELEVATION _____ GRID NO _____ E
 NO. Test Hole #1 DESCRIBED BY R. J. Pinkley _____ N

Horizon	Depth in.	Color		Texture	Structure		% Rock Fragments	Notes (Moisture, Density, Biopores, Seepage)
		Matrix	Mottles		Grade	Type		
	0-6"	Dark Brn	—	Loam -SL	3F-m	gran fragm	20-30% gravel	
	6"-12"	lt Brn-tan (10YR 7.5/3)	—	vpr hSL- SCL	(too weak to tell)	Str in gravel	same ↓	
	12"-3 1/2'	lt sandstone + yellow & pale orange brn	—	vpr-exgr #SCL-hSL	(too weak to tell)	Str in gravel	50-65% round washed gravel	Moist
	3 1/2'-4'	yellow 2.5-5/10%	—	hSCL -SC	Massive & weak to 3 ft		few gravel	Moist 3K clay films
	4-5 1/2'	yellow 5YR 7.5/1R 5/10-4/10	—	SL	Massive or single			✓ Moist
	5 1/2'-7'	Tan	2m 3-2d orange mottles	coh SL -CoSCL	Massive			(about 25% clay)
	7-8 1/2' (or 9')	lt gray (10YR 7/1-7.5/1R 7/10)	2p orange (5-7.5/1R 4/10) 2d tan (10YR 7/3) mottles		Massive			(about 27% clay) ✓ Moist
	8 1/2'-10'	gray-purplish 5YR 7/1-7.5/1R 4/10	—	S-LS	single		20% small gravel	Ext. Moist

LANDSCAPE

Position

Summit _____ Depression _____
 Shoulder ☒ Upland ☒
 Sideslope _____ Terrace _____
 Footslope _____ Floodplain _____

Slope

Percent 6-8 ± 2%
 Shape convex-convex
convex-concave

SOIL DRAINAGE CLASS

ED ☒ MWD _____ PD _____
 WD ☒ SPD _____ VPD _____

WATER TABLE

bedrock with effective WT
@ 5 1/2' ± 7' below grade

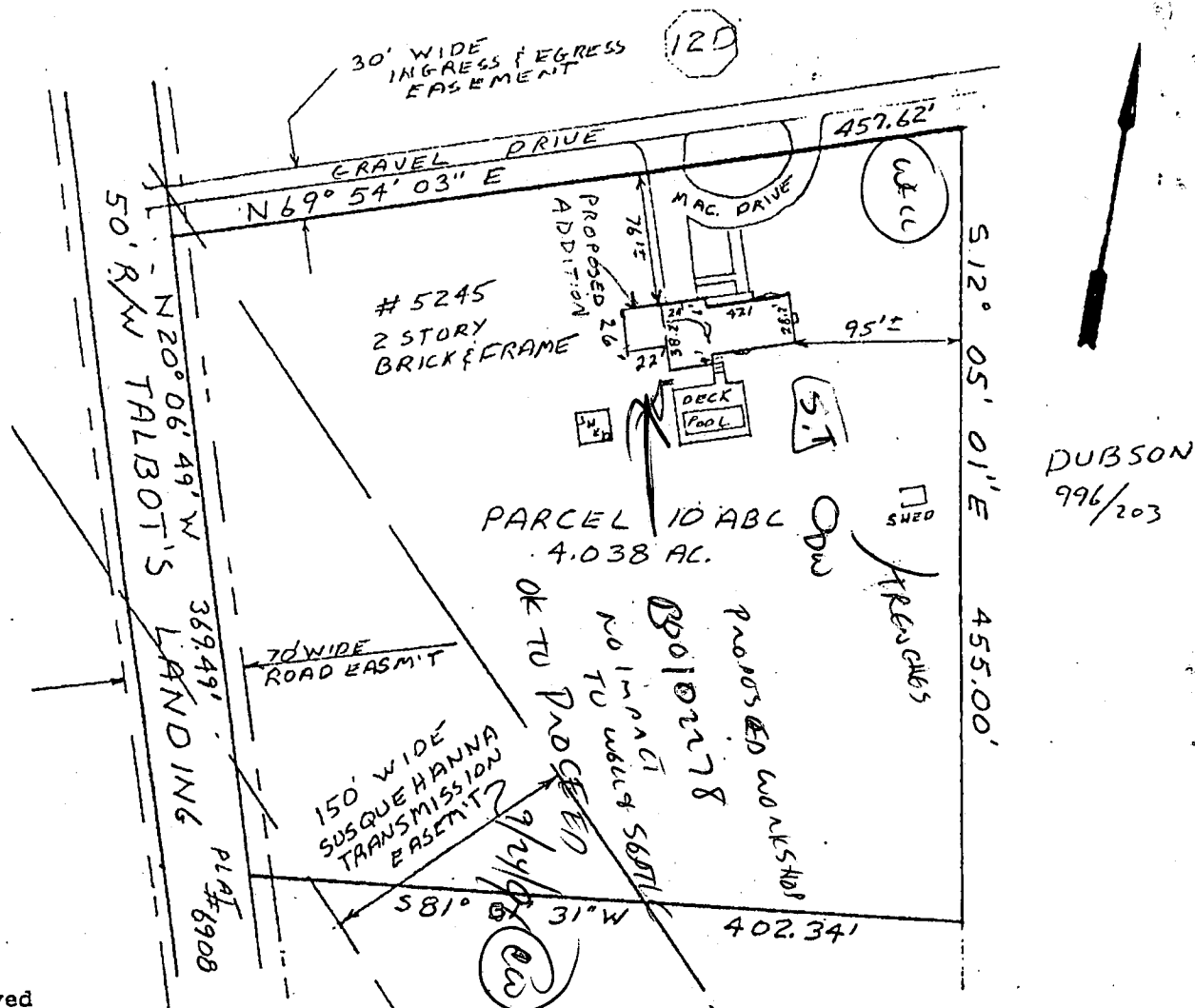
LIMITING ZONE

gleyed layer's = prob. water table
≤ 7' ± 3' from saturation to 5 1/2' below grade

SOIL CLASSIFICATION

Sassafras (a sandy loam, type soil)

Subject property is shown in Zone C
 on the National Flood Insurance Program
 Flood Insurance Rate Map of Howard
 County, Maryland. Panel # 29 of 45
 Community Panel # 240044-002913
 Effective Date: DECEMBER 4 1986



DUBSON
996/203

This is to certify that I have surveyed
 the property shown hereon, said property
 in title to Arne H. Ellgard, Jr. and
 Deborah E. Ellgard by a deed recorded
 among the Land Records of Howard County
 in Liber 1065 Folio 214 for the purpose
 of locating the improvements thereon.

THIS PLAT SHOWS ONLY THAT THE IMPROVEMENTS ARE
 CONTAINED WITHIN THE OUTLINES OF THE LOT AND IS
 NOT TO BE USED TO ESTABLISH PROPERTY LINES.



U. Carl Hudgins PLS#96

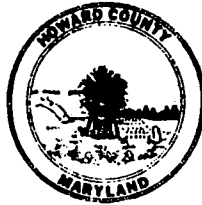
LOCATION SURVEY
 5245 TALBOT'S LANDING RD
 1ST ELECTION DISTRICT
 HOWARD COUNTY MD

NTT ASSOCIATES, INC.
 16205 Old Frederick Road
 Mt. Airy, Maryland 21771
 Phone 442-2031

Scale	1"=100'
Date	10-7-88
Field By	JCH
Drawn By	JCH
Drawing #	H0290

HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.R.H.
COUNTY HEALTH OFFICER



Bureau of Environmental Health
3525 Ellicott Mills Drive
Ellicott City, Maryland 21043

Director - 461-9956
Water & Sewerage, Permits - 461-9933
Community Environmental Health - 461-9944
Technical Services - 461-9955

August 28, 1989

Mr. Arne H. Ellgard, Jr.
5245 Talbot's Landing
Ellicott City, Maryland 21043

RE: Talbot's Last Shift- Lot 10ABC
Talbot's Landing Road

Dear Mr. Ellgard:

This is written in confirmation of our conversation of August 24, 1987 regarding the above referenced property.

Percolation testing for proposed subdivision of this property has to this point been unsuccessful. It was agreed that if curtain drains could be installed to effectively and permanently control the groundwater table, the previously failed areas would be eligible for re-testing. The drainage trenches, if installed, would have to be at least 25 feet from any part of the platted septic reserve area.

In addition to satisfactory test results, final approval would be contingent upon a determination that there would be no adverse impact from any portion of the Baltimore Gas and Electric power line easement over the septic area.

If you have any further questions relative to this matter, please call me at 461-9933.

Very truly yours,

Craig Williams, Director
Water and Sewerage Program

CW:JR

HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



Bureau of Environmental Health
3525 Ellicott Mills Drive
Ellicott City, Maryland 21043

Director - 461-9956
Water & Sewerage, Permits - 461-9933
Community Environmental Health - 461-9944
Technical Services - 461-9955

February 23, 1989

Mr. Arne Ellgard
5245 Talbot's Landing
Ellicott City, Maryland 21043

RE: Talbot's Last Shift
Combined Lot ABC

Dear Mr. Ellgard:

Thank you for your recent inquiry concerning further percolation testing on the above referenced property.

Currently, this office cannot recommend further testing due to regulations which are relevant to successful evaluation of your property. You may recall that the reason your property failed the initial testing was because of a high water table and slow infiltration rates. This combination of conditions eliminates the possibility of further approvals on this property.

Current Maryland Subdivision Regulations (COMAR 26.04.03) provides for approval of lots with slower than conventional percolation rates only when such lots were legally recorder prior to 1972. Because this lot was recorded after 1972, it is considered ineligible for evaluation under nonventional criteria.

Recent changes in Maryland Subdivision Regulations have authorized conventional approval over shallow depths to water table, provided percolation rates remain less than 30 minutes per inch. Because percolation rates were greater than 30 minutes, an additional sewage disposal easement on this property cannot be approved.

It would appear that the only prospect for approval of an additional building lot would be in the unlikely event of further changes in the pertinent sections of the regulations.

If you wish to discuss the circumstances of this property in further detail, please feel free to contact either myself or Sid Abel at 461-9933.

Very truly yours,

A handwritten signature in cursive script that reads "Craig Williams".

Craig Williams, Director
Water and Sewerage Program

CW:JR

HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



Bureau of Environmental Health
3525 Ellicott Mills Drive
Ellicott City, Maryland 21043

Director - 461-9956
Water & Sewerage, Permits - 461-9933
Community Environmental Health - 461-9944
Technical Services - 461-9955

March 24, 1987

Mr. Arne Ellgard
5057 Ilchester Road
Ellicott City, Maryland 21043

RE: Talbot's Last Shift
Lot 10 ABC

Dear Mr. Ellgard:

Percolation testing conducted on March 19, 1987 on the above referenced property revealed unsatisfactory soil conditions. The presence of a high water table and slow percolation times results in this lot being unacceptable for on-site sewage disposal.

If you have any questions, please feel free contact me at the above address or by calling 461-9933.

Very truly yours,

Craig Williams, Director
Water and Sewerage Program

CW:JR

(RELATIVE TO
PROPOSED RE-SUBDIVISION
PROPOSAL)

HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
COUNTY HEALTH OFFICER



Bureau of Environmental Health
3525 Ellicott Mills Drive
Ellicott City, Maryland 21043

Director - 461-9956
Water & Sewerage, Permits - 461-9933
Community Environmental Health - 461-9944
Technical Services - 461-9955

October 3, 1986

Arne H. Ellgard
5057 Ilchester Road
Ellicott City, Maryland 21043

RE: Talbot's Last Shift
Lot 10 ABC

Dear Mr. Ellgard:

Percolation testing conducted on September 23, 1986 on the above referenced property revealed unsatisfactory soil conditions. The presence of a high water table and slow percolation times results in this lot being unapproved at this time.

No further testing will be permitted until "wet season" which is normally between February 1 and April 30. At that time, you may request additional testing to establish the water table level in the lowest hole tested. If it proves satisfactory, additional testing will be required to obtain the necessary percolation area.

If you have any questions, please feel free to contact me at the above address or by calling 461-9933.

Very truly yours,

A handwritten signature in cursive script that reads "Craig Williams".

Craig Williams, Director
Water and Sewerage Program

CW;JR

SEP 23-86
11:30 PM
BACK PROCK
W.S. Refert
3/18/87
11:30 PM

APPLICATION

PERCOLATION TESTING

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

A 37441

P _____

DISTRICT 1ST

DATE 8/1/84

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 ARNE H. + DEBBIE E. ELLGARD

ADDRESS 5057 ILCHESTER RD PHONE 744-0618

PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Talbots LAST SHIRT LOT NO. Presubdivision of 10 ABC

ROAD AND DESCRIPTION ILCHESTER RD

TAX MAP _____ PARCEL # _____

SIZE OF LOT 2 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.

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 9-24-86 HOLD TILL WET SEASON - VISUAL LOW HOLE IF OK

will continue testing to establish 10K @ AREA. S. Amd. 3-19-87 Perc unsatisfactory
slow PERC test + H₂O S. Amd

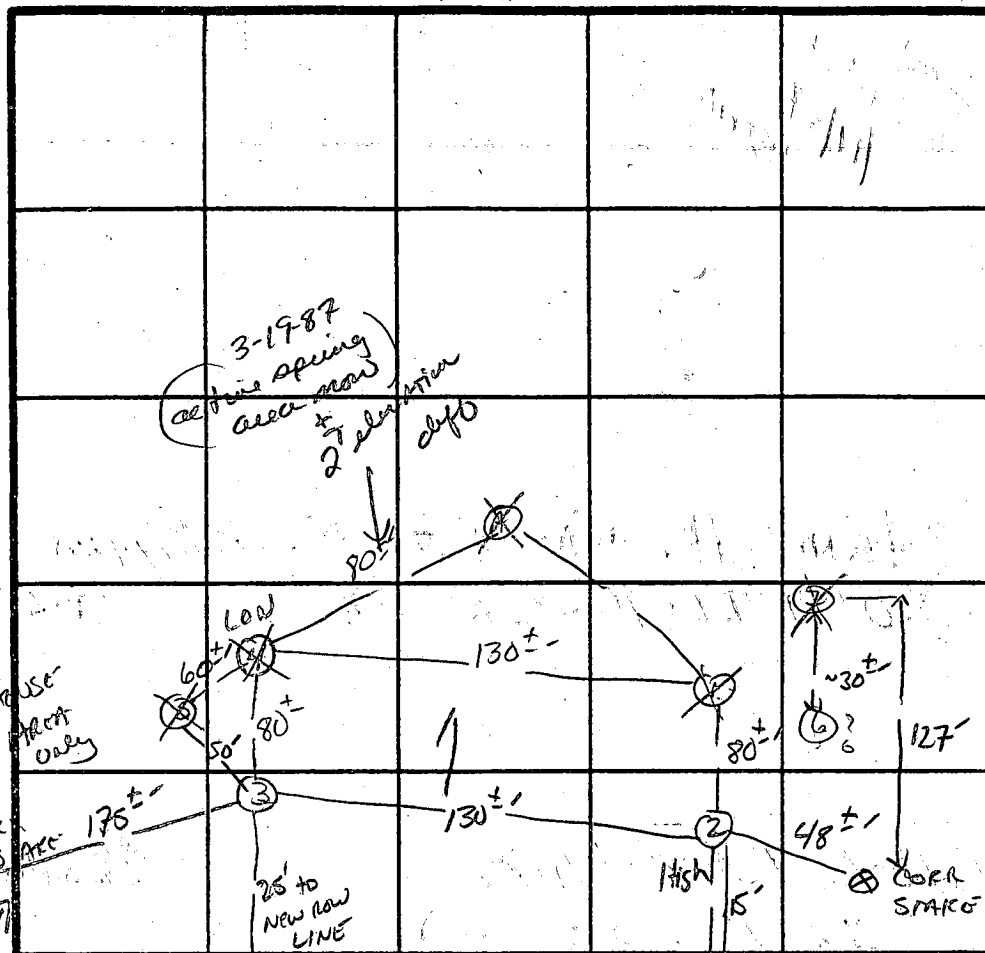
THIS IS NOT A PERMIT

①
SOIL PROFILE

0
12" AP
Yellow BR.
Silt LOAM
10-15 %
COARSE
FRAGMENTS
SMALL VEIN
OF WHITE
KAOLINITE
90% CLAY
3'-3.5'
Yellow BR.
SAND LOAM
SMALL POCKETS
OF CLAY +
WHITE
KAOLINITE
NO MOTTLES

0
14" AP
Yellow BR.
Silt LOAM
90% CLAY
15% COARSE
FRAGMENTS
3'-4'
Yellow BR.
w/ PINK
SAND LOAM
SMALL VEINS
OF CLAY
NO MOTTLES

0
12" AP
Yellow BR.
Silt LOAM
CLAY 9-12%
VARYING
THROUGHOUT
10-15%
COARSE FRAGS
SMALL VEIN
Olive green
Silt SAND AT
BOTTOM
NO MOTTLES
13'
EH-12-1079

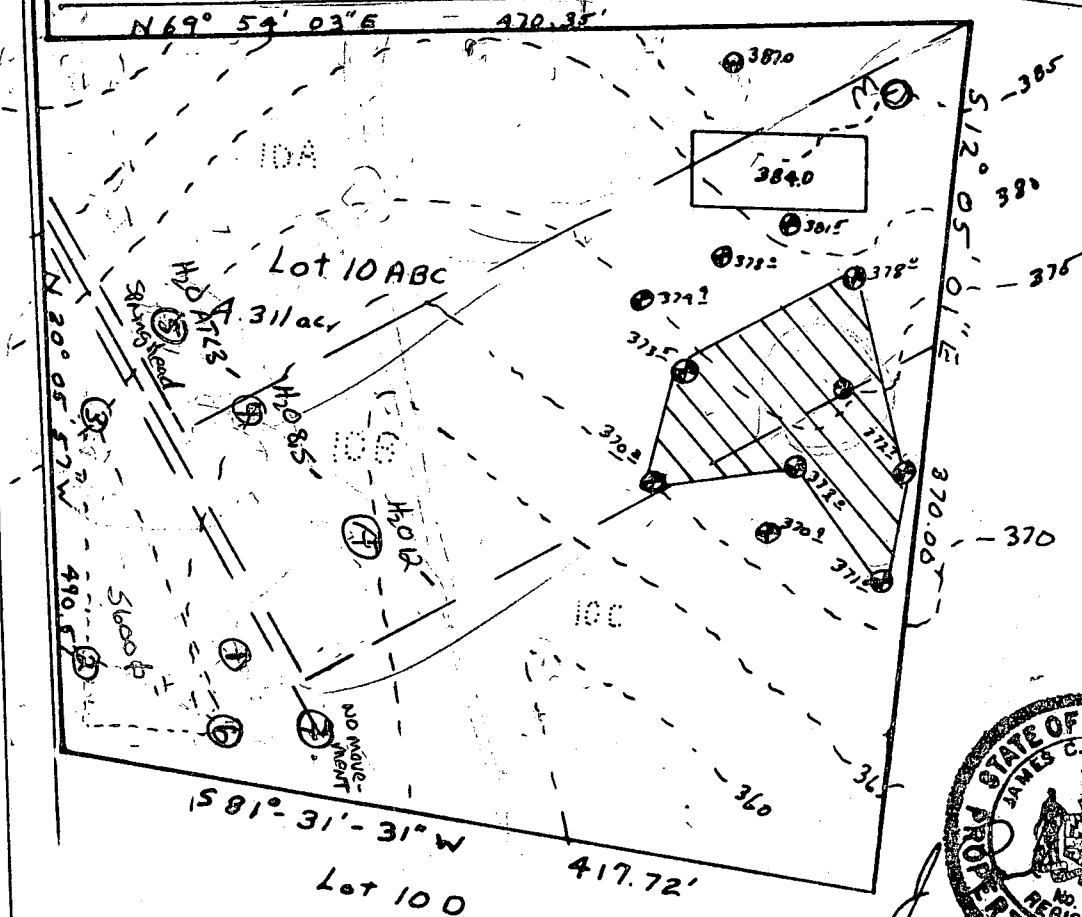


0
12" AP
Yellow BR. Silt
LOAM 9-12%
CLAY THROUGHOUT
w/ WHITE KAOLIN
3'
Yellow BR.
Silt LOAM w/
POCKETS OF
CLAY 20-25%
FRAGS, NO
VISUAL EVIDENCE
OF MOTTLES
11.5'
12.5'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/23/86	1 S V	2' 13'	1:31 MIX SOILS	1:45 THROUGHOUT	1:45	2:34	19min
	2 S V	3.5' 16.5'	1:36 MIX THROUGHOUT	1:44	1:44	2:06	22min
	3 S M	3' 7'	1:39 1:39	1:48 1:48	1:48 1:48	2:03 2:05	15min 17min
	3 V	13'	MIXED THROUGHOUT				
	4 S V	2.5' 12.5'	2:02 WATER AT 11.5'	2:32 → LESS THAN 1/8" MOVEMENT → SOIL WET AT 11"			
3/19/87	#4 REDUG -	WATER TABLE AT 9.5 FT.					
	5	WATER ENTERING LINE FROM ABOVE CLAY IN STREAM - SPRING HEAD MOST LIKELY INFLUENCE					
9/23/86	6 V	DAY TO 13'	UNIFORM	below 4'			
9/23/86	A	WATER AT 12'					
	7 S V	5' 12.5'	3:49 MIXED THROUGHOUT	4:20 below 4.5'			

REMARKS Shallow Syst. only / Sufficient area remains to be tested only in wet season
 TYPE OF SOIL MIXED
 TESTED BY S. Abel
 ALSO PRESENT Fyock & Co.

"Only one home may be erected on the land contained by the group of parcels conveyed by the instant deed until such time as public sewer and water is available to this land, or the parcels pass new percolation tests, or other changes occur obviating the need to so limit building."
 This Plat supersedes any previously Approved Parc Plats on this Lot.



This area designates a private sewage easement of 10,000 square feet 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 sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

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.

PERCOLATION TEST PLAT
 PARCEL 10ABC
 TALBOT'S LAST SHIFT
 PROPERTY OF
 HOWARD ASSOCIATES
 ILCHESTER ROAD

1st Election District
 Howard County, Maryland
 Scale 1" = 100
 Date 9-12-81

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

APPROVED: For Private Water and Private Sewage Systems

James C. Hudding 9-17-81
 County Health Officer Date

BALTIMORE
GAS AND
ELECTRIC

CHARLES CENTER • P.O. BOX 1475 • BALTIMORE, MARYLAND 21203-1475
(301) 234-5000

July 24, 1989

Mr. Arne H. Ellgard, Jr.
5245 Talbot's Landing
Ellicott City, Maryland 21043

Re: Safe Harbor - Westport Transmission Right-of-Way
PM 89-192, PLC 99-092-239
Request to Conduct Perc Tests

Dear Mr. Ellgard:

We have reviewed your request to conduct perc tests on our transmission Right-of-Way at three sites shown in yellow on a plat lot 10ABC property of Howard Associates, 1st Election District, Howard County, Maryland, dated 7/1/81, which is attached hereto and made a part hereof.

Since this portion of our Right-of-Way is secured by a permanent easement permission for any work in this area must also be obtained from the Fee Simple property owner.

Baltimore Gas and Electric Company agrees to permit the proposed perc as shown on the attached on our Right-of-Way provided the "Terms, Conditions, and Limitations Governing Construction of the Property of Baltimore Gas and Electric Company" which are attached hereto and made a part hereof are complied with during the work.

Take special note that there may be possibility of underground electrical cables in the area of work. Call in Miss Utility at least 48 hours prior to any digging in the area of the proposed work. This letter of agreement CONVEYS PERMISSION TO ONLY CONDUCT PERC TESTS.

If the foregoing is acceptable, please execute both copies of this letter and return them to:

Mr. L. F. Tuck Tyler, Jr.
Baltimore Gas and Electric - FMD
7152 Windsor Boulevard
Baltimore, Maryland 21207,

for execution by Baltimore Gas and Electric Company. The original will be returned to you for your file.

Very truly yours,

C. S. Cohen, Supervisor
Real Estate Operations
Facilities Management Department

CSC/bj

Attachment

Accepted this _____ day of _____, 1989

Mr. Arne H. Ellgard, Jr.

REFP/CORR7(SH.TT)

SYSTEM TO BE INSTALLED BEFORE
BUILDING PERMIT CAN BE
ISSUED.

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

BUREAU OF ENVIRONMENTAL HEALTH

992-2330

INDEX

BLDG. PERMIT SIGNED

AND RETURNED

4/13/83
Serial # 53062

ELLICOTT CITY

DISTRICT 1st.

DATE 13/30/83

4/15/83
around 7:00 p.m.
track insp.
6/29/83
after noon
Paul Schissler

IS PERMITTED TO INSTALL ☒ ALTER

ADDRESS 7311 Brangles Road, Marriottsville, Maryland 21104 PHONE 795-2642

SUBDIVISION Palbot's Last Shift ROAD 5057 Ilchester Road LOT 10 A&E&C

PROPERTY OWNER Arne & Debbie Ellgard

PHONE: 242-1590

1124 Mealow Lark Drive

ADDRESS Elkridge, Maryland 21227

597-5000

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

GARBAGE GRINDER? YES ☐ NO ☒

SEPTIC TANK CAPACITY 1250 GALLONS NUMBER OF BEDROOMS 4

Dry Well - 135 square foot sidewall area per bedroom. Dry well inlet maximum to be
3 feet below original grade and dry well bottom to be 10 feet below original grade.
Place the dry well 130 feet from the left lot line and 40 feet from the rear lot line
as seen when facing the lot from Common R/W road = (N20°05'57"W - 490") as front of
lot.

4/5/83 Dig hole towards middle of approved plan area to check for water T.S.

8/12/83 O.K. to move dry well & trench system ~60-70 ft. down slope T.S.

PLANS APPROVED BY

Charles B. Streaker

DATE 3/30/81

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.

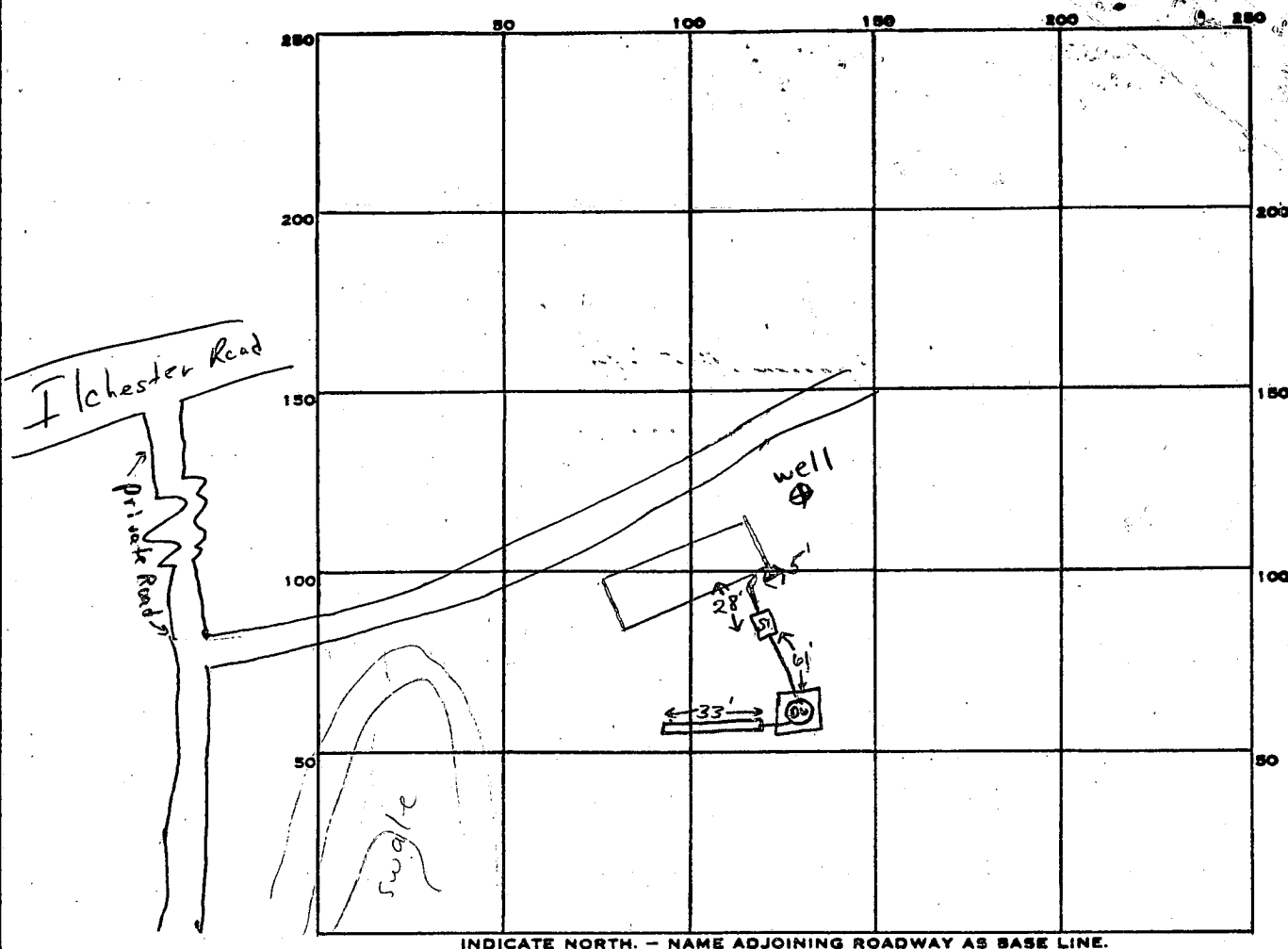
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR
PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

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

***CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.**

EH - 2-1082

31284



PERMIT CARD VSigned, call for final when house is connected

SEPTIC TANK, LEVEL ✓ 1500 gal.

CLEANOUTS ✓

DISTRIBUTION BOX, LEVEL n.a.

TILE FIELD, DEPTH 10-11 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 7 FT. TOTAL LENGTH 33 FT.

NUMBER OF TRENCHES 1

ONE SIDEWALL TOTAL BOTTOM AREA 231 ft^2

SEEPAGE PITS, ^{OUTSIDE PERIMETER} ~~INSIDE DIAMETER~~ 48 FT. DEPTH BELOW INLET 7 FT.

ABSORBENT AREA 5567 SQ. FT.

REMARKS 4/5/83 Visited site, met Mr. Ellgard. Water @ 3 ft. in hole observed @ drywell site. Suggested further test and installation of a curtain drain upslope of house site F.S. 4/12/83 Drywell & trench moved ~ 70' down slope to middle of approved area O.K. NO WATER. F.S. 4/12/83 O.K. to gravel trench F.S. 4/13/83 O.K. to cover drywell & trench Call for final inspection before backfilling house connection F.S. 6/29/83 OK to cover all work

DATE SYSTEM APPROVED 6/29/83

INSPECTOR Stanger

#10 AB
6/1/81

TALBOTT'S LAST
SHIFT

#10

SYSTEM
FIRST

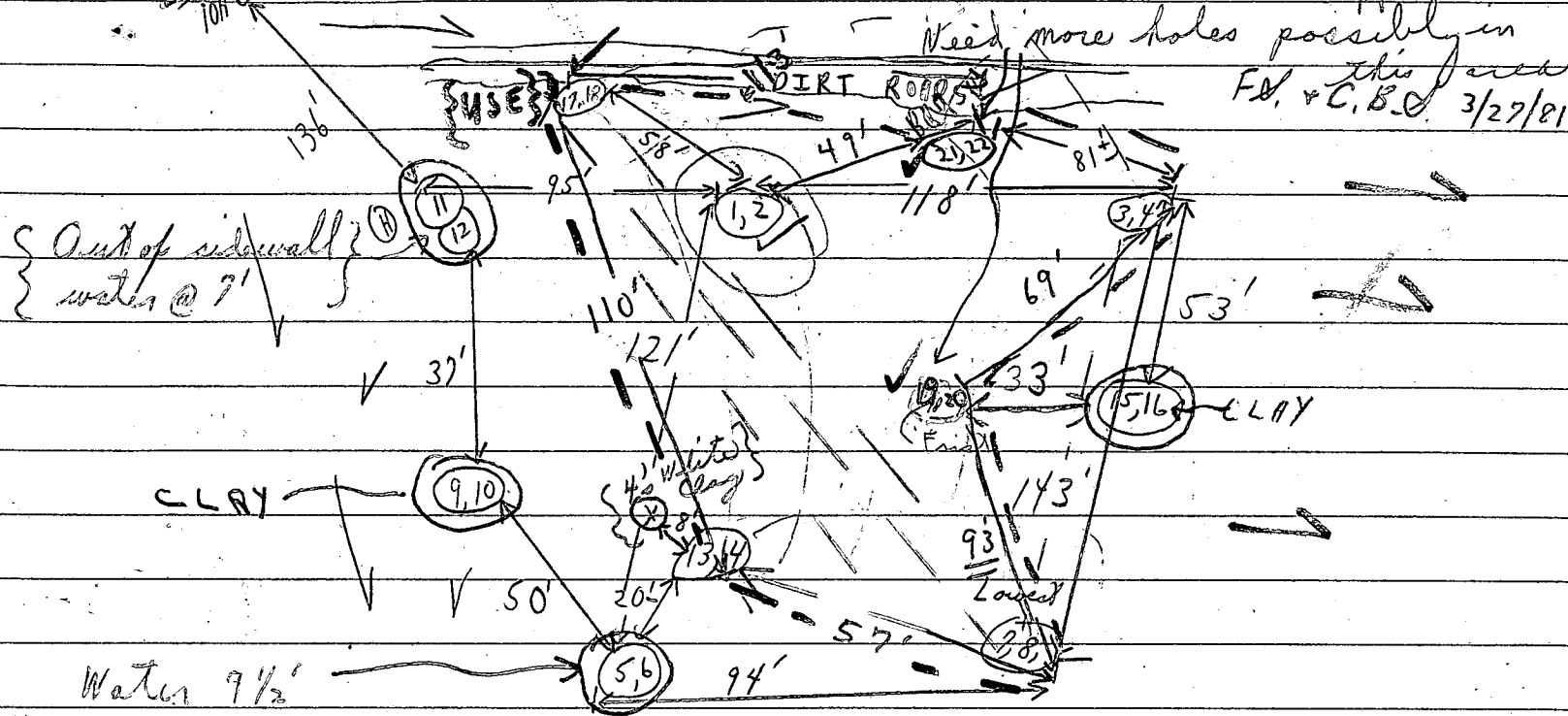
3/26/81

ABC

Reaccomplished
@ office P.M.

FENCE

Need more holes possibly in
this area
F.B. & C.B.C. 3/27/81



3/27/81 Field sheet

SOIL PROFILE	#	Depth	1 st stop	2 nd stop	3 rd stop
1'-3 1/2' CLAY	19	3 1/2'	10:59	11:01	11:05
3 1/2' - 8' SANDY LOAM to 14'	20	8'	10:59	11:01	11:05
1' - 4 1/2' CLAY	21	4 1/2'	11:06	11:13	11:29
4 1/2' SANDY 13'-10'	22	8 1/2'	11:06	11:09	11:13

Field comments

Recommend
Dig Well & Trenches only

3/27/81 SYSTEM

FIRST
START @ (17,18)

HOLDING - SEE

C.B.C. (21,22) → run to (13,14)

INITIAL PERC SHEET
ON BACK BOTTOM FOR
OTHER COMMENTS

C.B.C.

3/27/81

AREA OF
SEWAGE
DISPOSAL

(✓ good perc holes)

3/30/81 Discussed with F.B. & C.B.C. above

tentatively approved.

C.B.C.

[Copy given D. (13) sp. Rohrer]

APPLICATION

Free!

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P. O. BOX 473 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

A 31284

P _____

DISTRICT 1st

DATE 3/26/81

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 Howard Associates *Arne Ellgard*

ADDRESS 1124 Meadow Park Drive PHONE 597-5000
Baltimore, Md. 21227 ~~Rhett Realty - 465-4920~~

PROPERTY LOCATION: _____

SUBDIVISION Talbot's Last Shift LOT NO. 10 10 A+B+C

ROAD AND DESCRIPTION Ilchester Road 6/1/81

SIZE OF LOT ? TYPE BLDG. 3 or 4 bedrooms
(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. /s/ Don Reuwer for Howard Associates
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 3/30/81 SYSTEM FIRST!
C.B.D.

THIS IS NOT A PERMIT

SEE
EACH
HOLE
BELOW

7-2445

2025

EXIST
1800

FIELD SHEET

1-4-2 day
1-14-2 5m

COEL PRINCE

DATE	TEST NO.	DEPTH	PREWET		TEST		TIME
			START	STOP	START	STOP	
3/28/81	1 KUSE	3 1/2'	11:13	11:15	11:15	11:18	3
AM	2	8 1/2'	11:13	11:21	11:21	11:38	17
	3	3 1/2'	11:19	11:29	11:29	11:46	17
PM	4	8 1/2'	11:19	11:43	11:43	11:56	11
	5	1	11:	11:	11:		
@ 10	9 1/2'	10	11: W	ATER		X: X	XX
	7	5	11:36	11:39	11:39	11:42	3
ROCK	② → 9	9	11:36	11:42	11:42	11:50	8
	10			CIL	1:16	7:00	11:50
	11	4	1:20	1:23	1:23	1:28	5
EXPLO	12	8 1/2'	1:20	1:46	1:46	2:00	14

REMARKS

TYPE OF SOIL

TESTED BY

TESTS IN OPEN FIELD
 PERCS STORED HOLD

(1) FORGERY HOLE
(2) HOUSE SITE
(3) WATER WELL SITE

(5) WATERNOLD

C. B. ✓

ALSO PRESENT

3 NETTERMAN'S
+ GEORGIA

P. M.
D. RUNNER ~~ASST~~
FUTURE BUYER

EH-12-1079

APPLICATION

Prel

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

P.O. BOX 473 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 1st

DATE 3/26/81

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 Howard Associates

ADDRESS _____ PHONE Rhett Realty - 465-4920

PROPERTY LOCATION:

SUBDIVISION Talbot's Last Shift LOT NO. 10

ROAD AND DESCRIPTION Itchester Road

SIZE OF LOT ? TYPE BLDG. 3 or 4 bedrooms
(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. /s/ Don Reuwer for Howard Associates

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

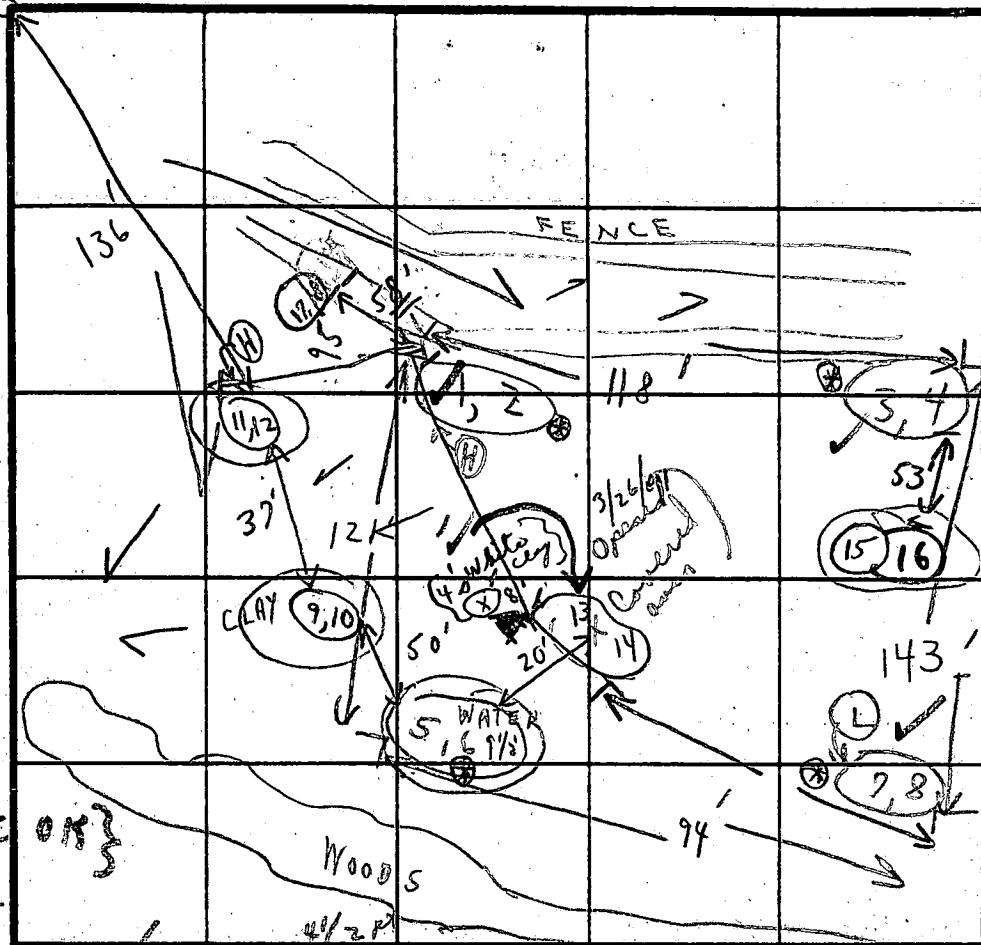
THIS IS NOT A PERMIT

8/14/2 #10A #10B
#10

SOIL PROFILE

SEE EACH HOLE BELOW

GRAVEL



EXIST
BARN

{ V PERC OK }

FIELD SHEET

1'-4' clay
4'-14' sandy

SOIL PROFILE

DATE	TEST NO.	DEPTH	PRE-WET	TEST 1' DROP	TIME
			START	STOP	
1'-3' CLAY	1	3 1/2'	11:13	11:15	11:15
SANDY + GRAVEL TO 8 1/2'	2	8 1/2'	11:13	11:21	11:21
1'-3 1/2' CLAY	3	3 1/2'	11:19	11:29	11:29
3 1/2' - 8 1/2' SANDY GRAVEL	4	8 1/2'	11:19	11:43	11:43
1'-4' CLAY SANDY CLAY	5	4'	11:	11:	11:
WATER @ 10'	6	9 1/2' 10'	11: WATER	:	X: X
1'-5' clay	7	5'	11:36	11:39	11:39
5'- gravel	8	9'	11:36	11:42	11:42
12 1/2' ROCK	9	'	1:		
1'-10 1/2' CLAY	10	'	1:		
1'-7' brown clay	11	4'	1:20	1:23	1:23
1'-4' clay	12	8 1/2'	1:20	1:46	1:46
(4'-8 1/2' SANDY GRAVEL)					

14'3"

P.M.

14 1/2"

14'10"

HOLD WATER

18'1 1/2"

7' water

FOR FEE PAID

REMARKS

TYPE OF SOIL

TESTED BY

TESTS IN OPEN FIELD

PERCS STORED

(1) FORCERZIFIED HOLES
(2) HOUSE SITE
(3) WATER WELL SITE

(MOVED AWAY FROM WATER ALSO PRESENT)

3 BETTERMAN'S INLET 3' F + GEORGIA 10 min average

P.M.
D. RUNNER & ASS'T
FUTURE BUYER

pg 2 of 2

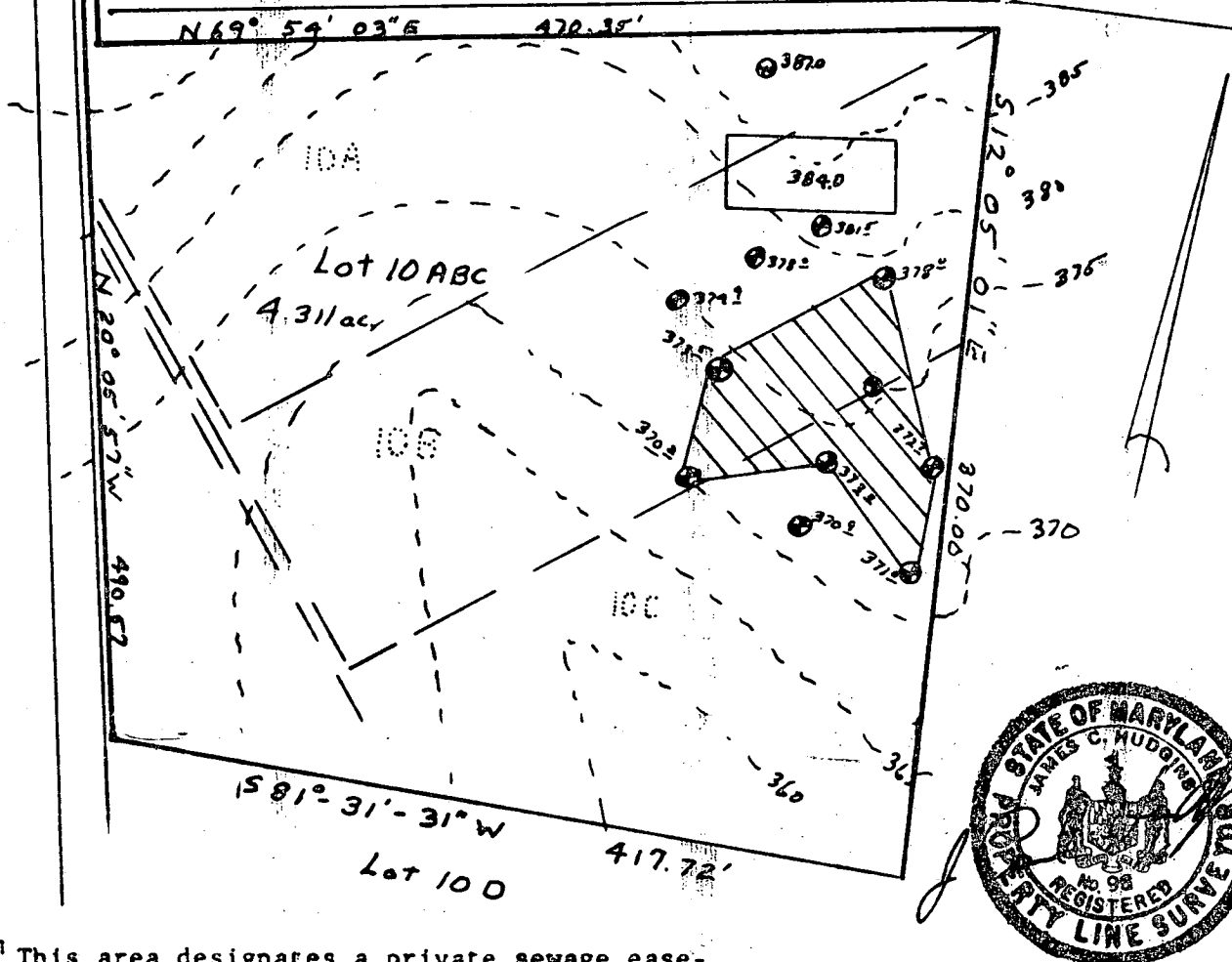
	Depth	1" Start	1" Stop	2nd" Stop	Total
CLAYISH 1'-3" brown clay	15	(No SHELL F2:)	2:	2: X	X X
2'-14" white clay	16	9'	2: 40	2: 3:10	2: X
1'-4" clay	17	4'	3: 02	3: 06	3: 24
sandy 4'-9" granular	18	9'	3: 01	3: 08	3: 22
10' dug to 13 1/2' - white clay					
3/24 of idk sheet					

(X X)

✓

"Only one home may be erected on the land contained by the group of parcels conveyed by the instant deed until such time as public sewer and water is available to this land, or the parcels pass new percolation tests, or other changes occur obviating the need to so limit building."

This Plat supersedes any previously Approved Perc Plats on this Lot.



This area designates a private sewage easement of 10,000 square feet 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 sewage is available. These easements shall become null and void upon connection to a public sewage system. The County Health Officer shall have the authority to grant variances for encroachments into the private sewage easement. Recordation of a modified sewage easement shall not be necessary.

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

James C. Hudding
County Health Officer

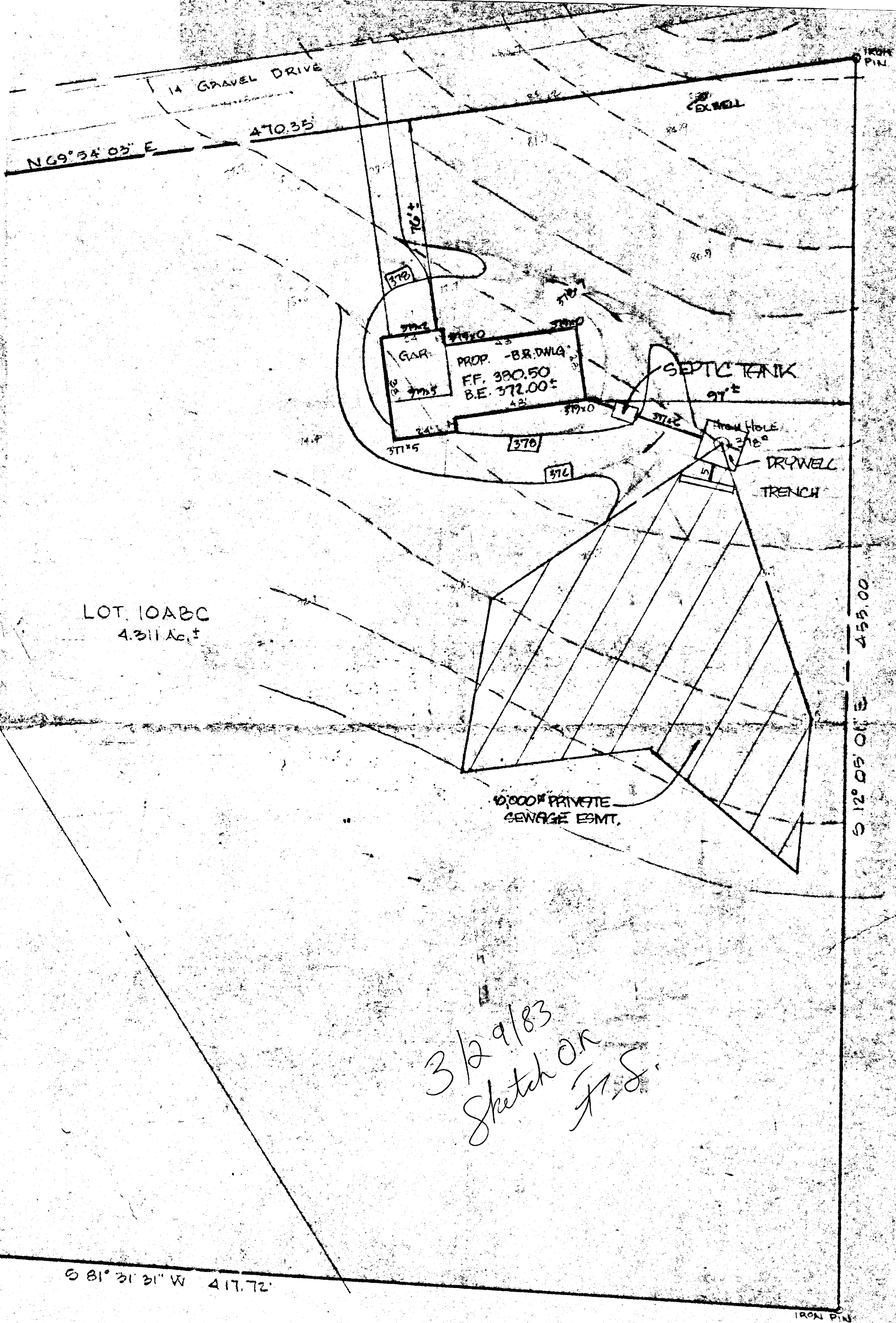
9-17-81
Date

PERCOLATION TEST PLAT

PARCEL 10ABC
TALBOT'S LAST SHIFT
PROPERTY OF
HOWARD ASSOCIATES
ILCHESTER ROAD

1st Election District
Howard County, Maryland
Scale 1" = 100
Date 9-12-81

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



DRYWELL (15'x15')

EX.GR.	378.00
FIN.GR.	378.00
INV. IN	375.00
INV. OUT	375.00

TRENCH (2'x20' LONG)

EX.GR.	377.00
FIN.GR.	377.00
TOP STONE	374.50
INV. IN	374.00
BOTTOM OF STONE	367.00

SITE PLAN
ELLGARD PROPERTY
LOT 10-ABC. DEED: 1065/214
TAX MAP 31 BLK. 16 PARCEL 697
1ST ELECTION DISTRICT HOWARD CO., MD.
SCALE: 1" = 30' 3/28/83

C1 7674	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.
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)		COUNTY NUMBER	A 31284
Date Received (OEP use only)	DATE WELL COMPLETED	Depth of Well	PERMIT NO.
	032403	120 (TO NEAREST FOOT)	FROM "PERMIT TO DRILL WELL" 40-81-0027

OWNER	Ellgard	Anne
STREET OR RD	Ilchester Road	TOWN
SUBDIVISION	Talbots Lost Shift	SECTION
		LOT

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
Topsoil	0 2	
Sand & Gravel	2 14	
Sandstone	14 19	
Mica schist	19 33	
Sandstone	33 36	✓
Mica schist	36 57	
Br. Quartz	57 59	✓
Mica schist	59 60	

WELL HAS BEEN GROUTED (Circle Appropriate Box)	
TYPE OF GROUTING MATERIAL	
CEMENT <input checked="" type="checkbox"/> CM BENTONITE CLAY <input checked="" type="checkbox"/> BC	
NO. OF BAGS 10 NO. OF POUNDS 1000	
GALLONS OF WATER 35	
DEPTH OF GROUT SEAL (to nearest foot) from 0 ft to 45 ft	
CASING RECORD	
casing types insert appropriate code below	STEEL <input checked="" type="checkbox"/> ST CONCRETE <input checked="" type="checkbox"/> CO PLASTIC <input type="checkbox"/> PL OTHER <input type="checkbox"/> OT
MAIN CASING TYPE	Nominal diameter top(main) casing (nearest inch)
3	6
	Total depth of main casing (nearest foot)
	30
OTHER CASING (if used)	
EACH CASING	diameter inch
	depth (feet) from to
SCREEN RECORD	
screen type or open hole	STEEL <input checked="" type="checkbox"/> ST BRASS <input type="checkbox"/> BR OPEN <input type="checkbox"/> HO BRONZE <input type="checkbox"/> PL HOLE <input type="checkbox"/> OT PLASTIC <input type="checkbox"/> PL OTHER <input type="checkbox"/> OT
DEPTH (nearest ft.)	
1	28
2	120
3	
SLOT SIZE	
DIAMETER OF SCREEN (NEAREST INCH)	
GRAVEL PACK	
IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX	

C 3	(Seq. no.)	
PUMPING TEST		
HOURS PUMPED (nearest hour)	3	
PUMPING RATE (gal. per min. to nearest gal.)	12	
METHOD USED TO MEASURE PUMPING RATE	BUCKET	
WATER LEVEL (distance from land surface)		
BEFORE PUMPING	10	
WHEN PUMPING	26	
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 checked="" type="checkbox"/> S submersible	

PUMP INSTALLED	
DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX)	YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N
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	2 (nearest foot)

CIRCLE APPROPRIATE BOX	
<input checked="" 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 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. 40	
DRILLERS SIGNATURE Gerald S. Easterday	
DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) Wesley K. Blomquist	
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)	
Rear lot line	
15	
20	
well	
Lot line	
T	
(E.R.O.S.)	
W.O.	
TELESCOPE CASING	
LOG INDICATOR	
OTHER DATA	

April 14, 1983

Mr. Arne Ellgard
1124 Meadow Lark Drive
Baltimore, Maryland 21227

RE: Building Permit Serial #53062

Dear Mr. Ellgard:

This office has signed off on the above referenced building permit.

Please call 992-2330 to arrange for inspection of the final house connection to the septic tank before that work is covered.

Additionally I would strongly suggest the installation of a curtain drain on the upper side of your lot as we discussed at the site on April 5, 1983.

If you have any questions regarding this matter please contact me at 992-2330.

Very truly yours,



Frank A. Skinner, Director
Water and Sewerage Program

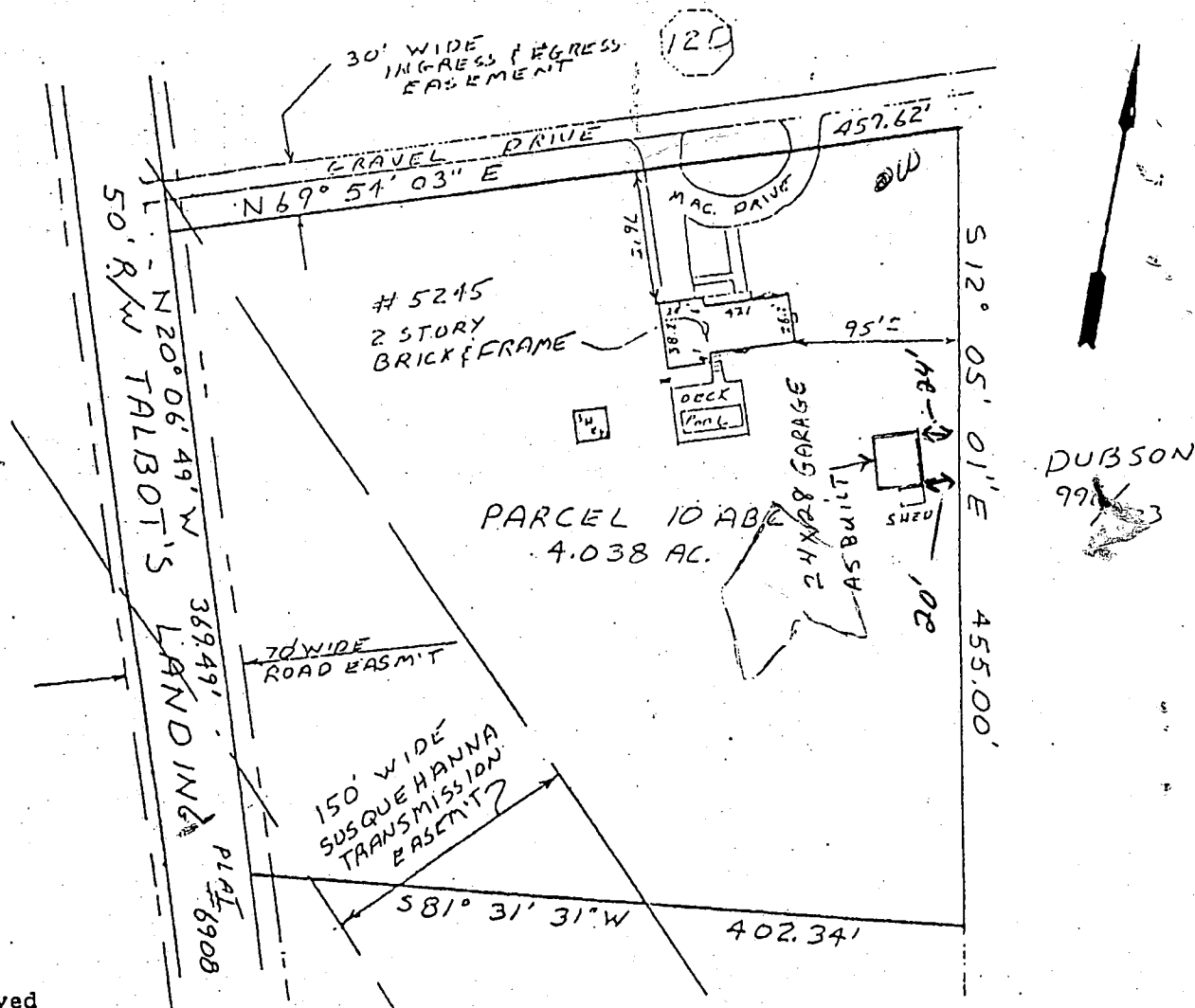
FAS:hs

Subject property is shown in Zone C
 on the National Flood Insurance Program
 Flood Insurance Rate Map of Howard
 County, Maryland. Panel # 29 of 45
 Community Panel # 240041-602913
 Effective Date: DECEMBER 4 1986

7-24-97
 As built shed
 will have no impact
 on well & septic as shown.
 (LHM)

This is to certify that I have surveyed
 the property shown hereon, said property
 in title to Arne H. Ellgard, Jr. and
 Deborah E. Ellgard by a deed recorded
 among the Land Records of Howard County
 in Liber 1065 Folio 214 for the purpose
 of locating the improvements thereon.

THIS PLAT SHOWS ONLY THAT THE IMPROVEMENTS ARE
 CONTAINED WITHIN THE OUTLINES OF THE LOT AND IS
 NOT TO BE USED TO ESTABLISH PROPERTY LINES.



U. Carl Hudgins PLS#96

LOCATION SURVEY
 5245 TALBOT'S LANDING RD
 1ST ELECTION DISTRICT
 HOWARD COUNTY MD

NTT ASSOCIATES, INC.
 16205 Old Frederick Road
 Mt. Airy, Maryland 21771
 Phone 442-2031

Scale 1"=100'
 Date 10-7-88
 Field By JCH
 Drawn By JCH
 Drawing # H0270