

Approved 11/21/83
Stayed

P 33298
A 29859

12/18/83 3:00 P.M.
183-1030
Approved

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

04-319303

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

ELLICOTT CITY
DISTRICT 4th
DATE 11/15/83

INDEX

Paul Schissler - South Carroll Backhoe Service IS PERMITTED TO INSTALL ALTER

ADDRESS 4410 Shellbottom Road, Westminster, Md. 21157 PHONE 875-4197

SUBDIVISION Middle Trail ROAD 751 Middletrail Ct. / 16245 Old Frederick Road LOT 11-D

PROPERTY OWNER James ~~XXXX~~ Narron

ADDRESS 3376-L North Chatham Road, Ellicott City, Md. 21043 Work: 992-2480 (Rec. & Parks)
Home: 461-3220

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

GARBAGE GRINDER? YES NO

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 3

TILE FIELD - Maximum bottom dept 4 feet. 158 sq. ft. bottom area per bedroom.
Start tile field 100 feet from the 251.28 ft. long lot line and 100 ft. from the rear 206.50 ft. long lot line. Dig trenches on level ground running towards rear lot line. Trench inlet at 2 ft. below original grade.

PLANS APPROVED BY Frank A. Skinner DATE 9/28/83

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.

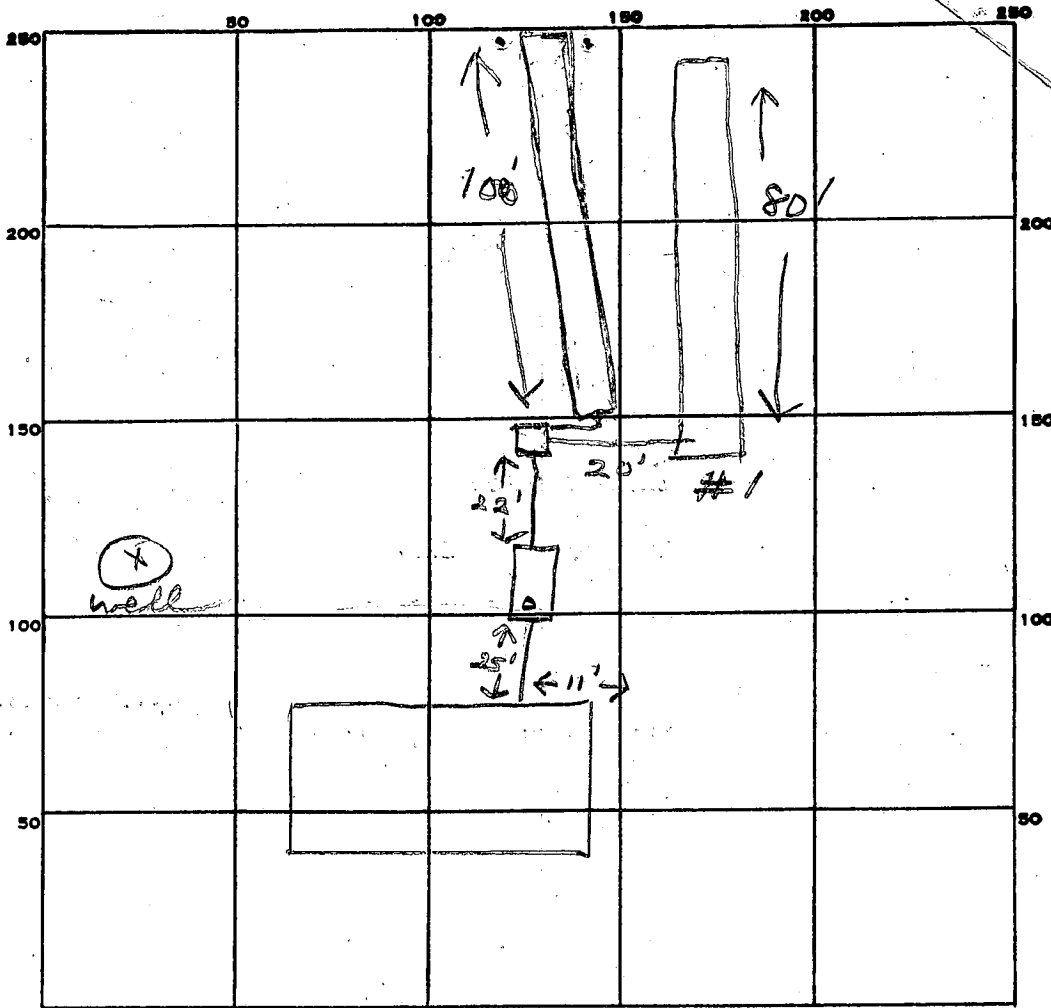
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

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

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 29859



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD ✓

SEPTIC TANK, LEVEL ✓ 1000 gal CLEANOUTS ST

DISTRIBUTION BOX, LEVEL ✓

TILE FIELD, DEPTH 4 FT. TRENCH WIDTH 3 FT.

GRAVEL DEPTH 2 IN. TOTAL LENGTH 180 FT.

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA 540

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

ABSORBENT AREA 540 SQ. FT.

REMARKS 11/18/83 OK to cover #1 trench

11/21/83 OK to cover all work

DATE SYSTEM APPROVED 11/21/83 INSPECTOR Stayer

APPLICATION

A 29859

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

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

Tile field max. bottom depth 4' DISTRICT 4th

158 SQ FT. bottom area/B.R. Start tile field DATE _____

100 ft. from the 251.28 ft. long lot line and 100 ft. from the rear 206.50 ft. long lot line. Dig trenches on level ground running towards rear lot line. Trench inlet at 2 ft. below original grade.

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 James Garrison

ADDRESS 3376 L.M. Chatham's Road PHONE 4617 3220
Ellicott City, Md. 21043 992-2480 (work)

PROPERTY LOCATION Res. + Parks

SUBDIVISION Middle Trail LOT NO. (110 RT. 1)

ROAD AND DESCRIPTION Old Farm

16245 Old Frederick Road

SIZE OF LOT _____ TYPE BLDG. 3 bedrooms
no garage

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.

BLDG. PERMIT SIGNED
AND RETURNED 9/27/83
55730 for 3B.R. S.F.D.

SIGNATURE OF APPLICANT _____

APPROVED BY Frank Skinner FOR tile field DATE 9/28/83

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS SUPERVISOR EVALUATION C.B. STRECKER DATE 11/21/79

REASONS FOR REJECTION OR HOLDING Ret. tile field installation

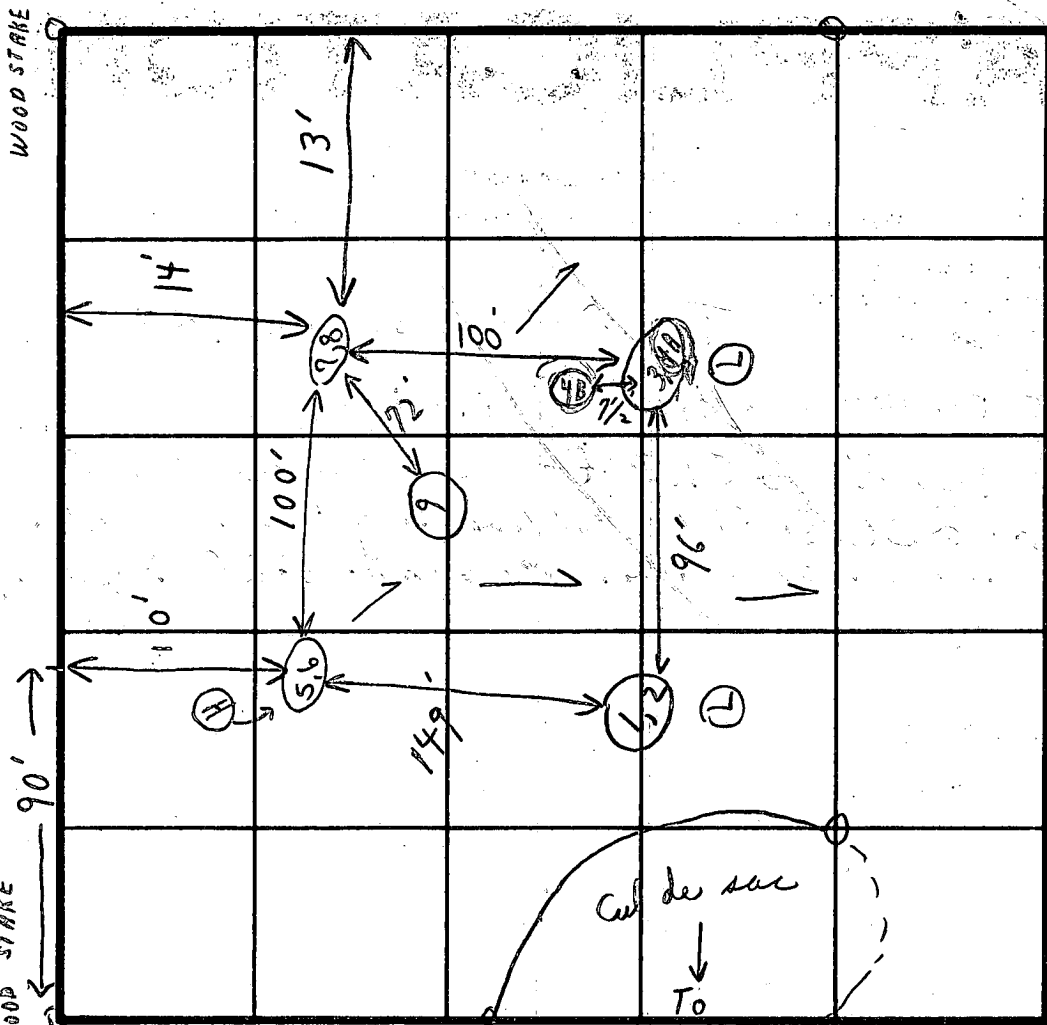
THIS IS NOT A PERMIT

RETEST

110

SOIL PROFILE

BELOW
CLAY
SEE
EACH
HOLE



Tests
not per
stakes
Field
sheet

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

OLD FREDERICK ROAD

SOIL PROFILE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/24/99	1	1 1/2'	9:53	9:55	9:55	9:58	3m
	2	6 1/2'	9:52	9:58	9:58	10:06	8m
	3	1 1/2'	9:52	9:56	9:56	10:08	12m
	4A	6 1/2'	9:52	:	30 sec 9:52.5	9:52.5	1/2m
	5 pt	1 1/2'	10:05	10:07	10:07	10:09	2m
	6 pt	6 1/2'	10:05	10:07	10:07	10:10	3m
	7	2'	9:59	10:01	10:01	10:10	9m
	8	6 1/2'	9:59	10:00	10:00	10:04	4m
	9	11'	1'-3 1/2' 3'-5 1/2'	Clayish Loam + weathered shale	5'	11'	Weathered shale
	4B	6 1/2'	10:30	:	← →	10:31	1m

12/19/99
Majors
dept
per Mr. Allen
Friedland

MUD DRY @ 9:55

MUD DRY @ 10:40

REMARKS Tests in open field

HOLES READY
GAVE COPY TO MR. C. HUGHINS

TYPE OF SOIL

Mr. K. Allen

TESTED BY C. B. V

ALSO PRESENT

Mr. C. Hudgins

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 29859

P _____

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

DISTRICT 4ab

DATE 5/22/79

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 Suite 118, Teachers Bldg, Columbia, Md. PHONE _____

PROPERTY LOCATION:

SUBDIVISION (Middle Trail) LOT NO. 11D

ROAD AND DESCRIPTION Old Frederick Road

SIZE OF LOT P 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) Joel Abramson for Howard Associates

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

6/12/79 REASONS FOR REJECTION OR HOLDING for certified test holes (Carbon copy to be given 6/13/79) C.B.D

THIS IS NOT A PERMIT

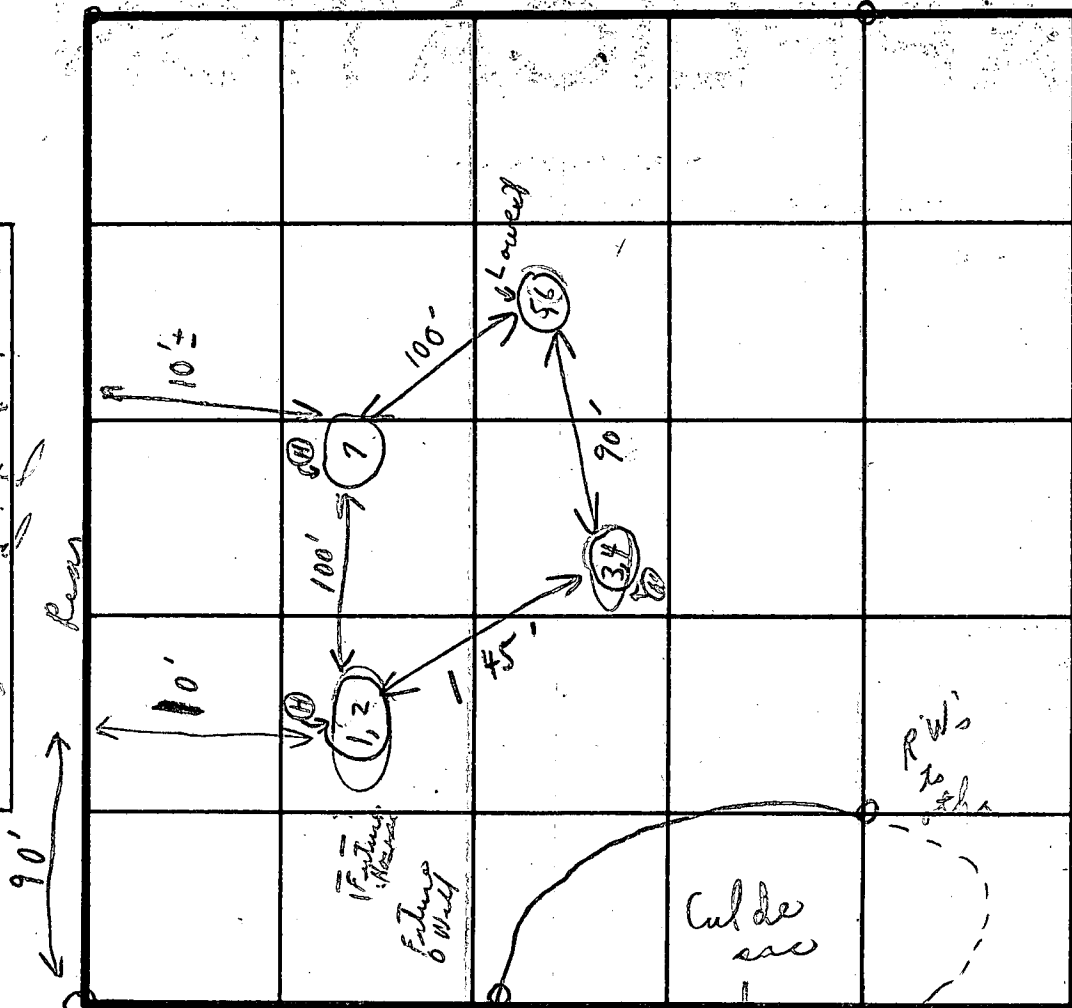
110

SOIL PROFILE

Field sheet

Tests per stake

Below clay
 do not
 Weathered material
 & shale
 bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Woodbine ← New → Old Frederick Rd → Poplar Spring

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/12/79	(1) test	3'	9:58	9:59	9:59	10:00	1 in
	(2)	10 1/2'	9:59	10:00	10:00	10:01	1 in
	(3)	2 1/2'	10:15	10:	10:	10:16	1 in
	(4)	11'	10:15	10:	10:	10:16	1 in
	5	2 1/2'	10:07	10:09	10:09	10:13	4 in
	(6)	11'	10:07	10:08	10:08	10:09	1 in
	(7)	2 1/2' - 11'	Visual		Weathered material to bottom		

Locum
 & shale
 Hard mudstone

{ Locum
 & shale
 in bottom

Mud dry at 10:02
 Mud dry hole at 10:18

Mud dry at 10:11

(#7 + #3+4) similar elevation hole

Noted dimensions on plate at time of perc
 Waited for water

REMARKS (4/12/79 Tests in high grass in open field)
 TYPE OF SOIL see above
 TESTED BY C. B. A.
 ALSO PRESENT { Carbon to designer; holding for certified holes; allens backhoe; C. Hudgens

4-13' Loles
or 10,000 ft.

APPLICATION

A 21983

Preliminary

SEWAGE DISPOSAL TESTING

P _____

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: 465-5000, EXT. 356

DISTRICT 4

DATE 8/20/75

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 Suite 118, Teachers Bldg., Columbia, Md. PHONE 730-7733

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. 11D

ROAD AND DESCRIPTION R/W off Old Frederick Road

SIZE OF LOT 1.246 acres TYPE BLDG. 3 or 4

NUMBER OF BEDROOMS
(Single Fmly. Dwllg.)

IF NOT SINGLE RESIDENCE DESCRIBE _____

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

SIGNATURE OF APPLICANT /s/ Joel Abramson

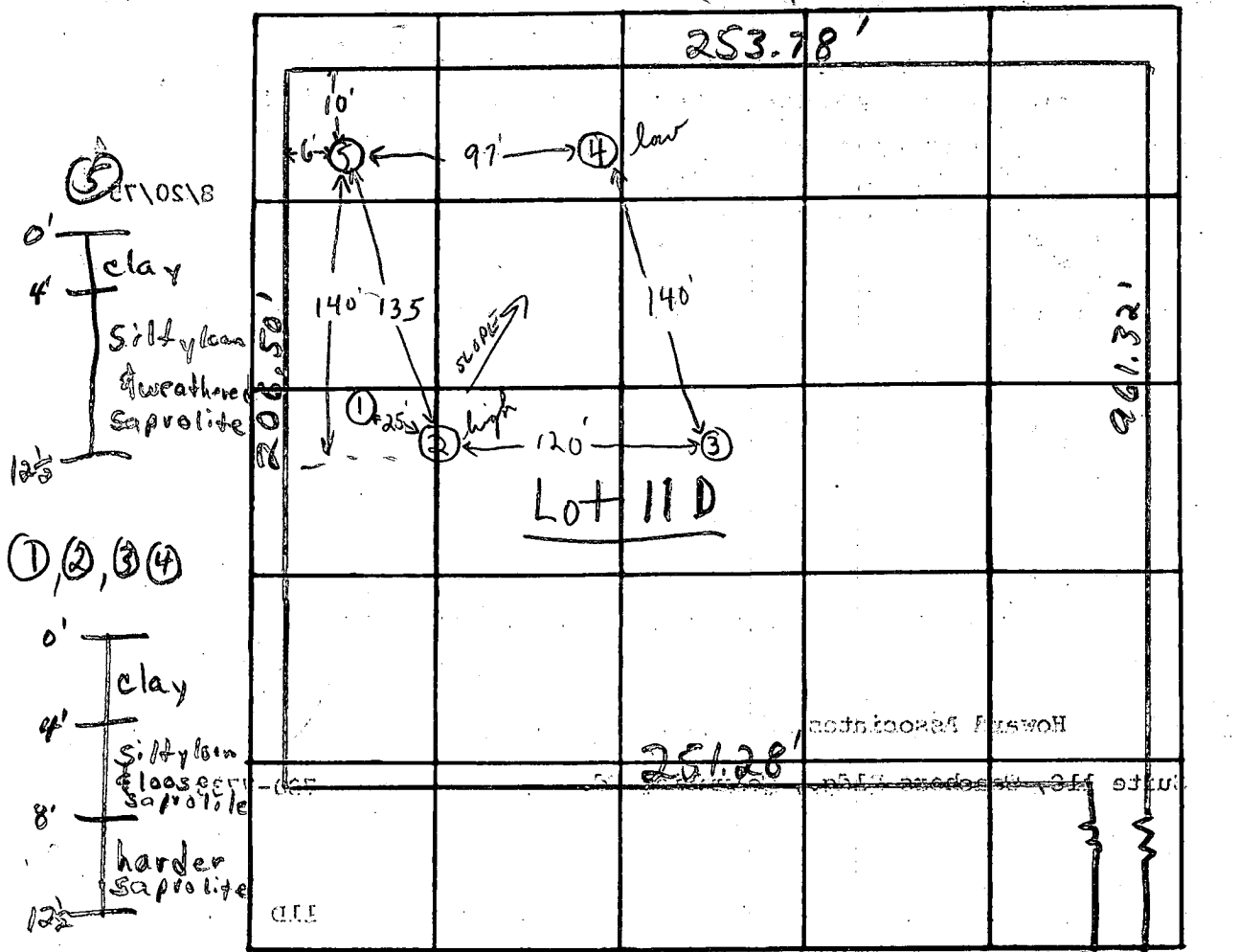
APPROVED BY _____ FOR _____ DATE _____

REJECTED BY Frank Skinner FOR any DATE 5/6/76
(KIND OF SYSTEM) (KIND OF SYSTEM)

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING unsuitable soil - hard spherulite

THIS IS NOT A PERMIT



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.
 Old Frederick Rd.

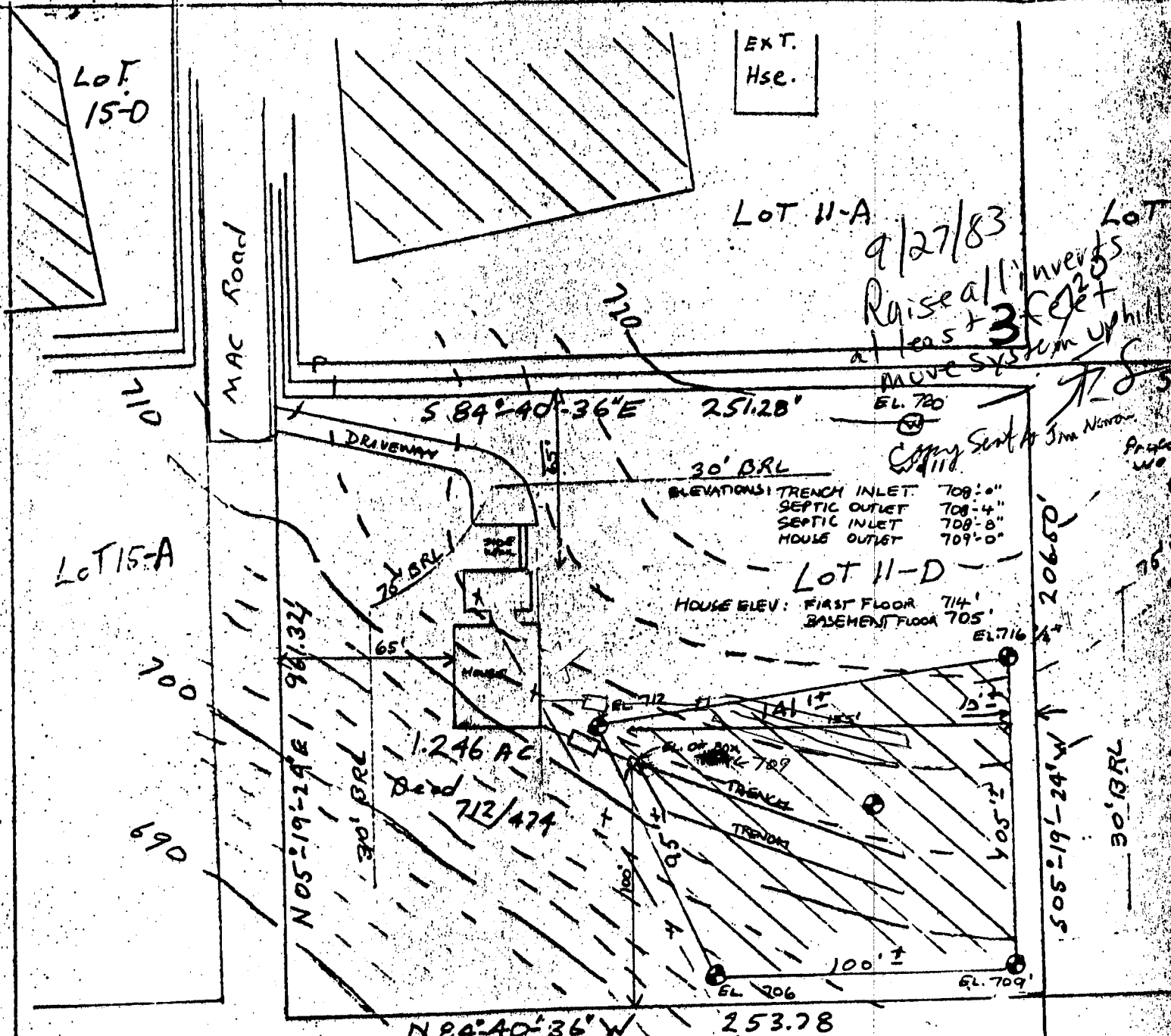
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5/4/96	①	9 1/2'	Harder saprolite at 8'					
	2	4 1/2'	11:02	11:04	11:04	11:07	3 min	
	②A	12 1/2'	11:00	11:25	pulled peg 1/2" @ 22-25 min		Failed	
	3	12'	Visual, clay to 3', silty loam to 9', harder saprolite below					
	5	5'	11:28	11:32	11:32	11:45	13 min	
	5A	12 1/2'	11:28	11:36	11:36	11:48	12 min	
	④	10'	Rock at 8'-10'; clay to 3' silty saprolite with 3-4'					

REMARKS ② & ③ ~ same elevation

TYPE OF SOIL silty loam & weathered saprolite below top 3-4' clay

TESTED BY F.S. ALSO PRESENT: Lendrum & crew

NARRON



//// 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.



Private Sewage Systems

Location OK

22' - casing
3' - above gr
18' - open
5 - nap

9/19/83 JS

B 1 6899 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-81-0267
fill in this form completely

Date Received 090283
OWNER INFORMATION
Last Name: WARRON, Owner: JAMES
Street or RFD: 3376L No. CHATHAM RD.
Town: ELLICOTT, State: MD, Zip: 21093

B 3 LOCATION OF WELL
COUNTY: HOWARD
SUBDIVISION: MIDOLE TRAIL
SECTION: 44, 46 LOT: 11D
NEAREST TOWN: LISBON
MILES FROM TOWN: 1 MI

DRILLER INFORMATION
Driller's Name: Ralph MAYNE, License No. 213
Firm Name: Ralph Mayne (well Drilling)
Address: 9120 Broun Church Rd., Mt. Airy Md.
Signature: Ralph Mayne, Date: 8/30/83

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX): N
NEAR WHAT ROAD: OLD FREDERICK Rd.
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): S
DISTANCE FROM ROAD: 750 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. A29859
OEP SIGNATURE: Frank Skinner, DATE ISSUED: 3/13/84
NORTH GRID: 552000, EAST GRID: 0776000

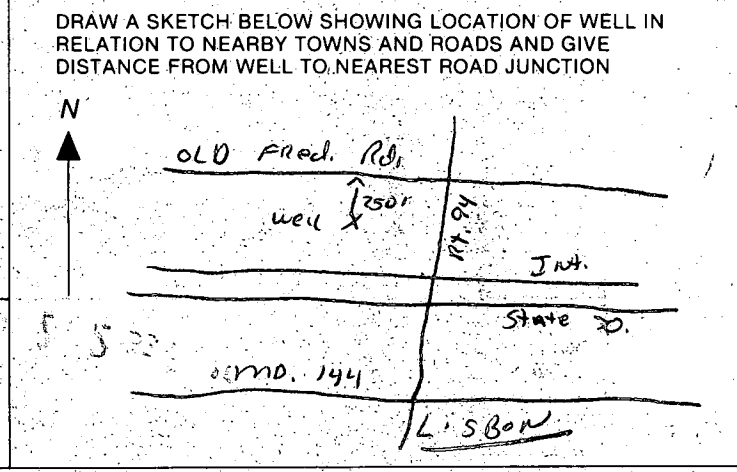
APPROXIMATE DEPTH OF WELL: 150 FEET

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
other:

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER: 1. well
WRITE THE BOX NUMBER FROM THE MAP HERE
N 550 2, E 550 6

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
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
 THIS WELL WILL DEEPEMED AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE):



Not to be filled in by driller (OEP USE ONLY)
APPROP. PERMIT NUMBER: GAP
FORCE INITIALS: FS, PERMIT No. HO-81-0267

SPECIAL CONDITIONS

C1 4459 SEQUENCE NO. (OEP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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 2985967**

DATE Received
 8 13

DATE WELL COMPLETED
 15 **09/19/83** 20

Depth of Well
 22 **185** 26
 (TO NEAREST FOOT)

PERMIT NO.
 FROM "PERMIT TO DRILL WELL"
H0-81-0267
 28 29 30 31 32 33 34 35 36 37

OWNER Narvon James
 last name first name
 STREET OR RFD Old Fredrick Road TOWN Lisbon
 SUBDIVISION Middle Trail SECTION LOT 11-D

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		Check if water bearing
	FROM	TO	
Top So. L	0	2	
Brown SLATE	2	11	
Brown SLATE	11	30	
Blue SLATE	30	55	
Brown SLATE	55	65	
Blue SLATE	65	185	

GROUTING RECORD
 WELL HAS BEEN GROUTED Y N
 (Circle Appropriate Box)
 TYPE OF GROUTING MATERIAL
 CEMENT CM BENTONITE CLAY BC
 NO. OF BAGS 5 NO. OF POUNDS 500
 GALLONS OF WATER 30
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 18 ft.
 (enter 0 if from surface)

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)
 PL G ZC
 60 61 63 64 66 70

OTHER CASING (if used)
 diameter inch depth (feet) from to
 EACH CASING

screen type or open hole insert appropriate code below
SCREEN RECORD
 ST BR HO
 STEEL BRASS OPEN HOLE
 PL OT
 PLASTIC OTHER

C2
 DEPTH (nearest ft.)
 EACH SCREEN
 1 **H0** **18** **185**
 8 9 11 15 17 21
 2
 23 24 26 30 32 36
 3
 38 39 41 45 47 51

CIRCLE APPROPRIATE LETTER WHEN THIS WELL WAS COMPLETED
A A WELL WAS ABANDONED AND SEALED
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 CARTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS IDENT. NO. 273
Rachel Mayne
 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)
Rachel E. Mayne
 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

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

C3
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 59
 WHEN PUMPING 185
 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 (nearest foot)
 below } 2 (nearest foot)
 49 50 51

