

12/28/82
Amplified

approved 12/28/82
Stayer

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

P 32346
A 32143

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330

ELLICOTT CITY
DISTRICT 4th

INDEX

DATE Dec. 3, 1982

William Hopkins IS PERMITTED TO INSTALL X ALTER _____
ADDRESS 2724 Jennings Chapel Rd., Woodbine, Md. 21797 PHONE 489-4711
SUBDIVISION _____ ROAD 846 Route 27 LOT _____
PROPERTY OWNER James W. Anderson
ADDRESS 840 Rt. 27, Box 33, Mt. Airy, Md.

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

GARBAGE GRINDER? YES _____ NO X

SEPTIC TANK CAPACITY 1000 GALLONS NUMBER OF BEDROOMS 2

Tile field to contain a total of 723 sq. ft. bottom area. Trench to be 3 ft. wide, 5½ ft. deep, with 2 ft. of gravel below distribution pipe. Trench inlet to be no deeper than 3½ ft. below original grade. Start the first trench 150 ft. from the edge of Md. Rt. 27 and 120 ft. from the right side line; dig trench on level ground towards the right side of the lot. Place successive trenches parallel to and 9 ft. away from the preceding trench. Use a distribution box to connect trenches to the septic tank.

PLANS APPROVED BY Jim Stayer/Frank Skinner DATE 9/8/82

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.

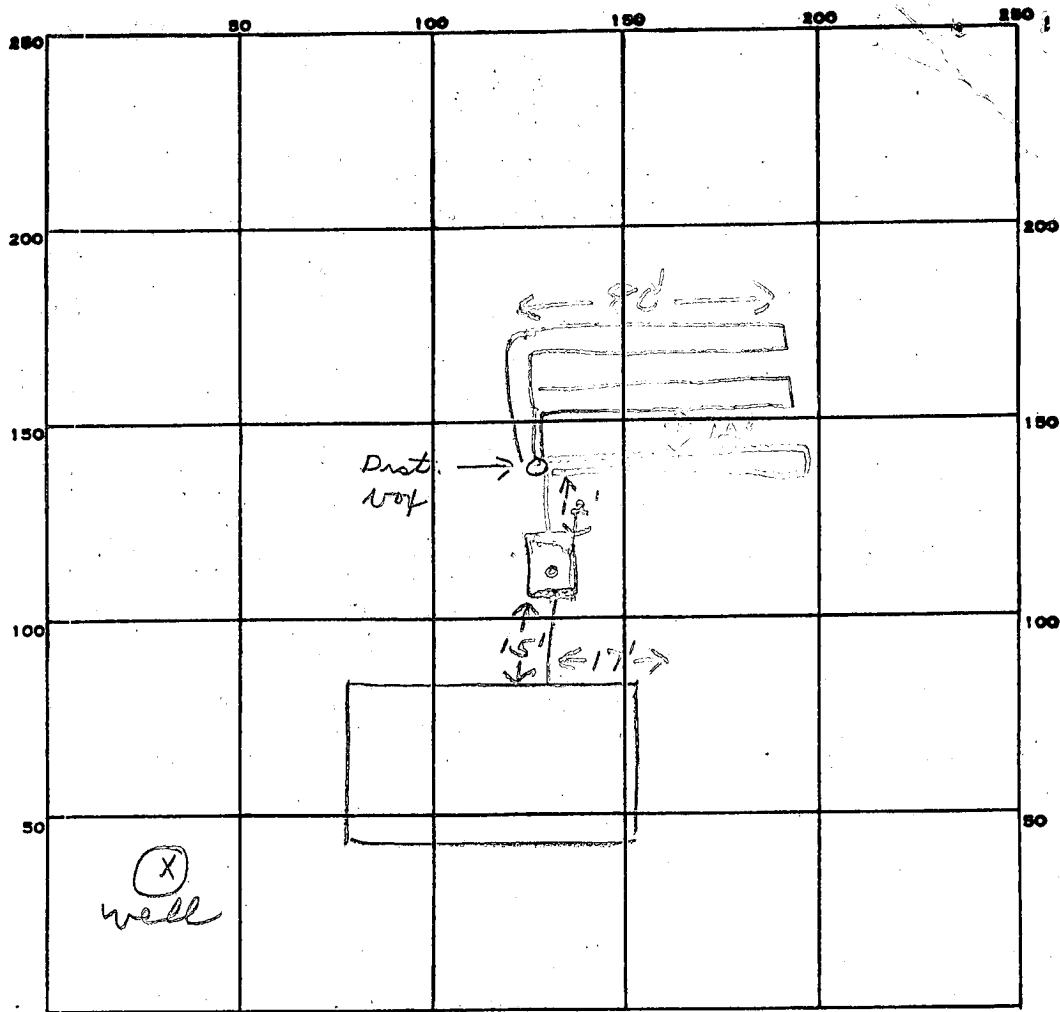
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

*INSTALLER IS RESPONSIBLE FOR OBTAINING FINAL APROVAL ON THIS PERMIT

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 32143



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Rt 27

PERMIT CARD

SEPTIC TANK, LEVEL

✓ 1000 gal

CLEANOUTS

57/4

DISTRIBUTION BOX, LEVEL

✓

TILE FIELD, DEPTH

5 1/2

FT.

TRENCH WIDTH

3 1/2

FT.

GRAVEL DEPTH

2'

IN.

TOTAL LENGTH

240

FT.

NUMBER OF TRENCHES

3

TOTAL BOTTOM AREA

840

240
35

1200
720

840

SEEPAGE PITS, INSIDE DIAMETER

FT.

DEPTH BELOW INLET

FT.

ABSORBENT AREA

840

SQ. FT.

REMARKS

12/28/82 OK to cover all work JS

DATE SYSTEM APPROVED

12/28/82

INSPECTOR

Stayer

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 32143

P _____

1-3 Bedrooms 1000 gallon septic tank 4th.
DISTRICT

Tile field to contain a total DATE 9/1/82

of 723 sq. ft. bottom area. Trenches to be 3 ft. wide, 5 1/2 ft. deep, with 2 ft. of gravel below distribution pipe. Trench inlet to be no deeper than 3 1/2 feet below original grade. Start the first trench 150 ft. from the edge of Md. Rte 27 and 120 feet from the right sideline; dig trench on level ground towards the right side of the lot. Place successive trenches parallel to and 9 feet away from the preceding trench. Use a distribution box to connect trenches to the septic tank.

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 W. ANDERSON

ADDRESS 840 - RT. 27, Box 33 PHONE 831-7042
MT. AIRY, MD.

PROPERTY LOCATION: 846 Rte 27

SUBDIVISION TAX MAP 6- PARCEL 161 LOT NO. _____

ROAD AND DESCRIPTION RT. 27 - Approx. 1/2 Mile South of US-40.

SIZE OF LOT 1.5785 AC. TYPE BLDG. Split Foyer - 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.

Lewis J. Roth

(SIGNATURE OF APPLICANT)

APPROVED BY Stacy & F. Skinner FOR Drumfield DATE 9/8/82

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

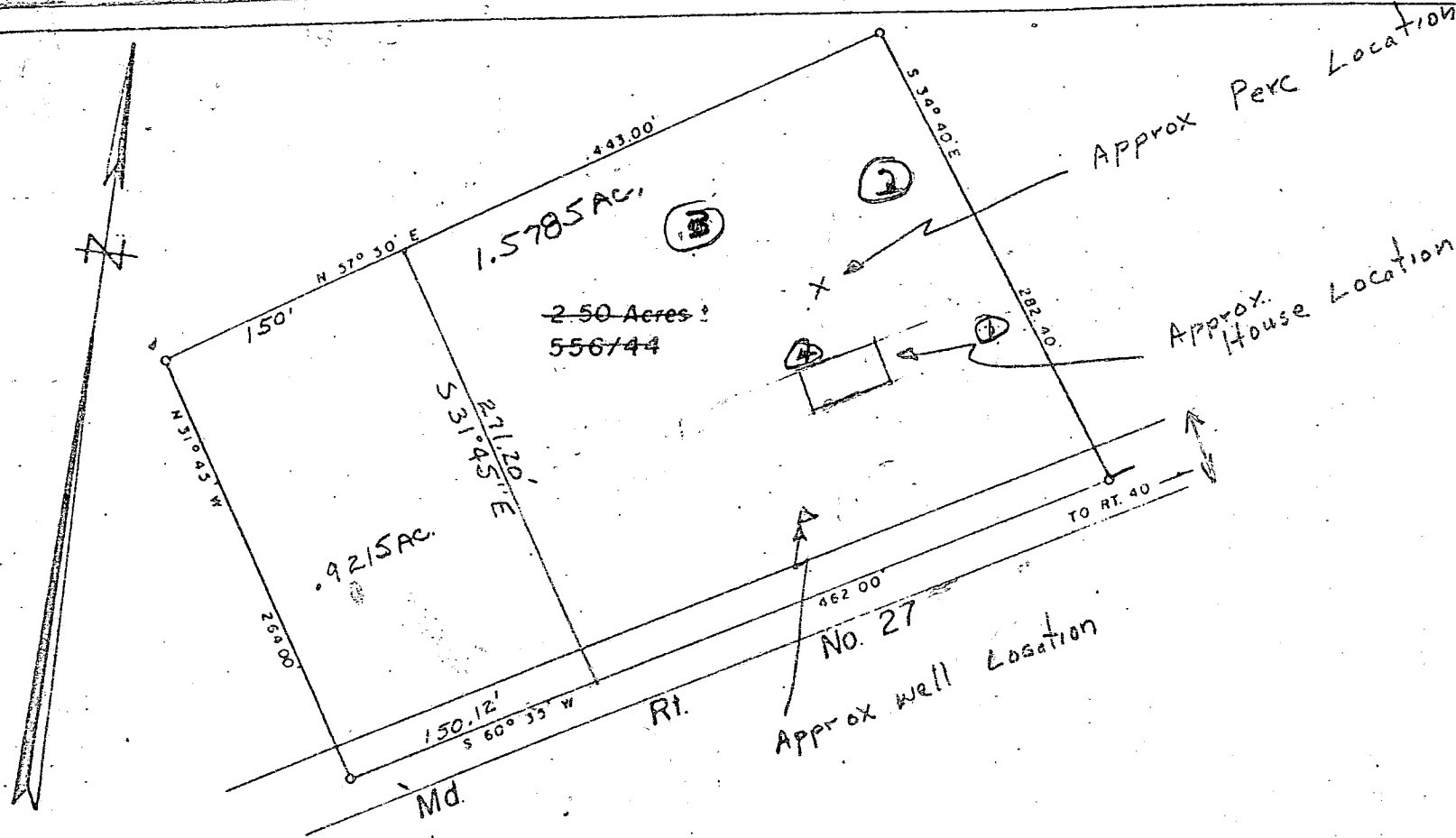
REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT SIGNED

AND RETURNED 10/7/82
Serial # 57141

THIS IS NOT A PERMIT

12359



Scale 1" = 100'

NOTE: The lot shown hereon complies with the minimum ownership width and lot area as required by the Md. State Dept. of Health Regulations.

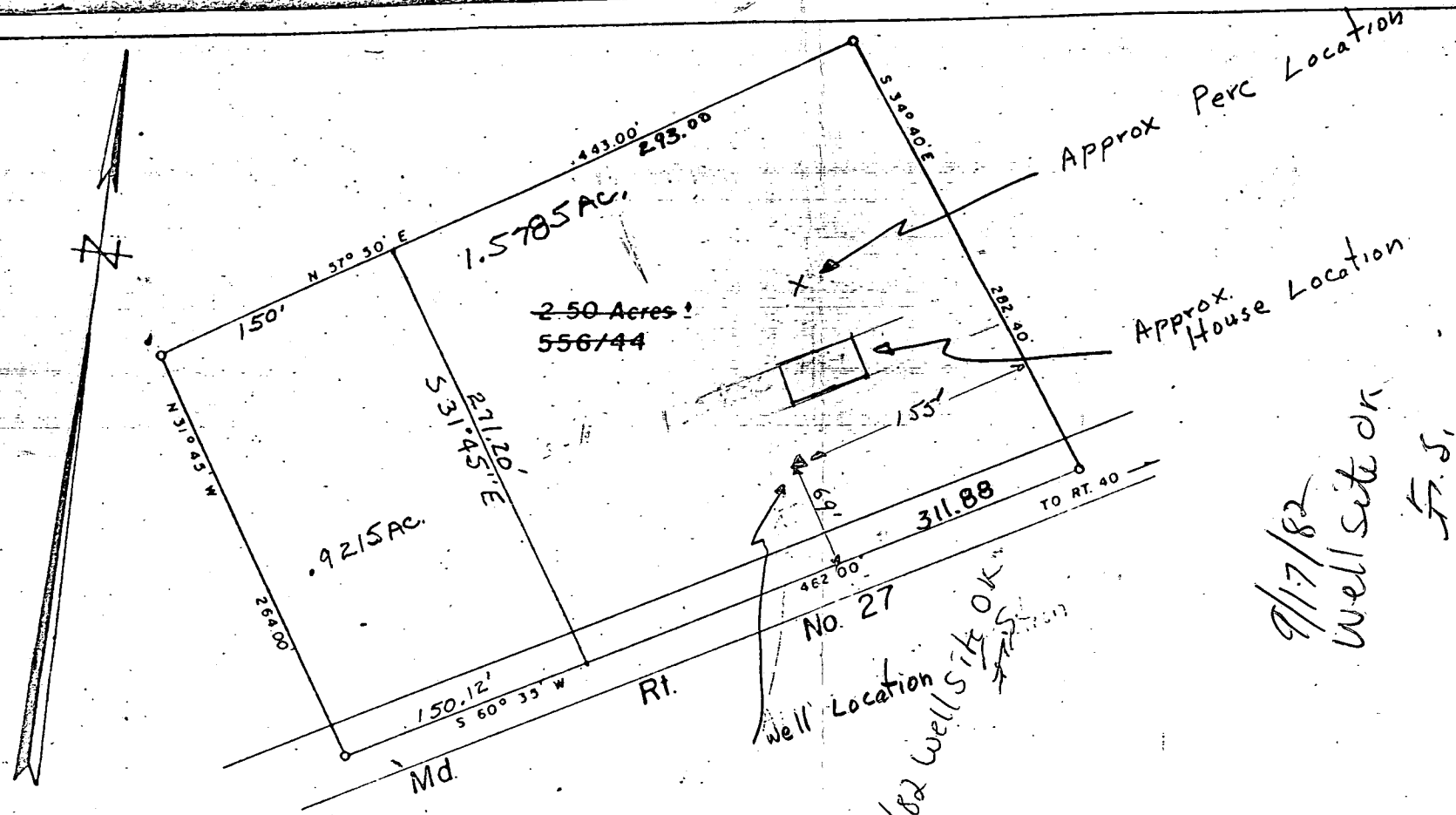
APPROVED: Private Water and Private Sewer.

[Signature] 4/28/71
County Health Officer Date

PLAT FROM DEED
FOR
JAMES W ANDERSON
FOURTH ELECTION DISTRICT OF HOWARD COUNTY
MT. AIRY, MARYLAND
SCALE: 1 IN. = 100 FT. APRIL 27, 1971

[Signature]
Claude M. Skinner Jr. Reg. Engineer & Land Surveyor No 2237

12359



NOTE: The lot shown hereon complies with the minimum ownership width and lot area as required by the Md. State Dept. of Health Regulations.

APPROVED: Private Water and Private Sewer.

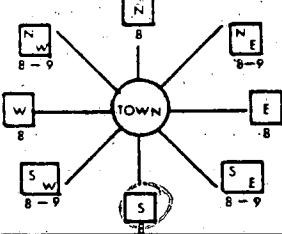
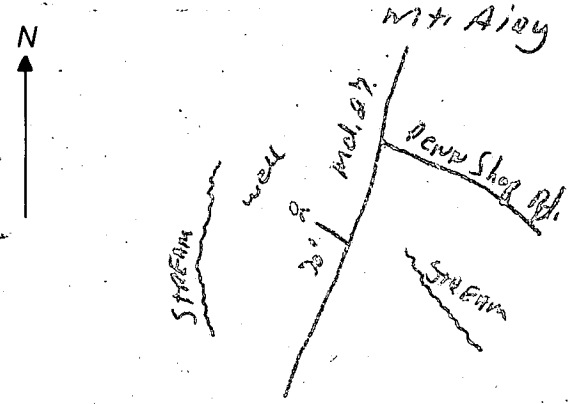
[Signature] 7 28 71
County Health Officer Date

PLAT FROM DEED
FOR
JAMES W ANDERSON
FOURTH ELECTION DISTRICT OF HOWARD COUNTY
MT. AIRY, MARYLAND
SCALE: 1 IN. = 100 FT. APRIL 27, 1971

[Signature]
Claude M. Skinner Jr. Reg. Engineer & Land Surveyor No. 2237

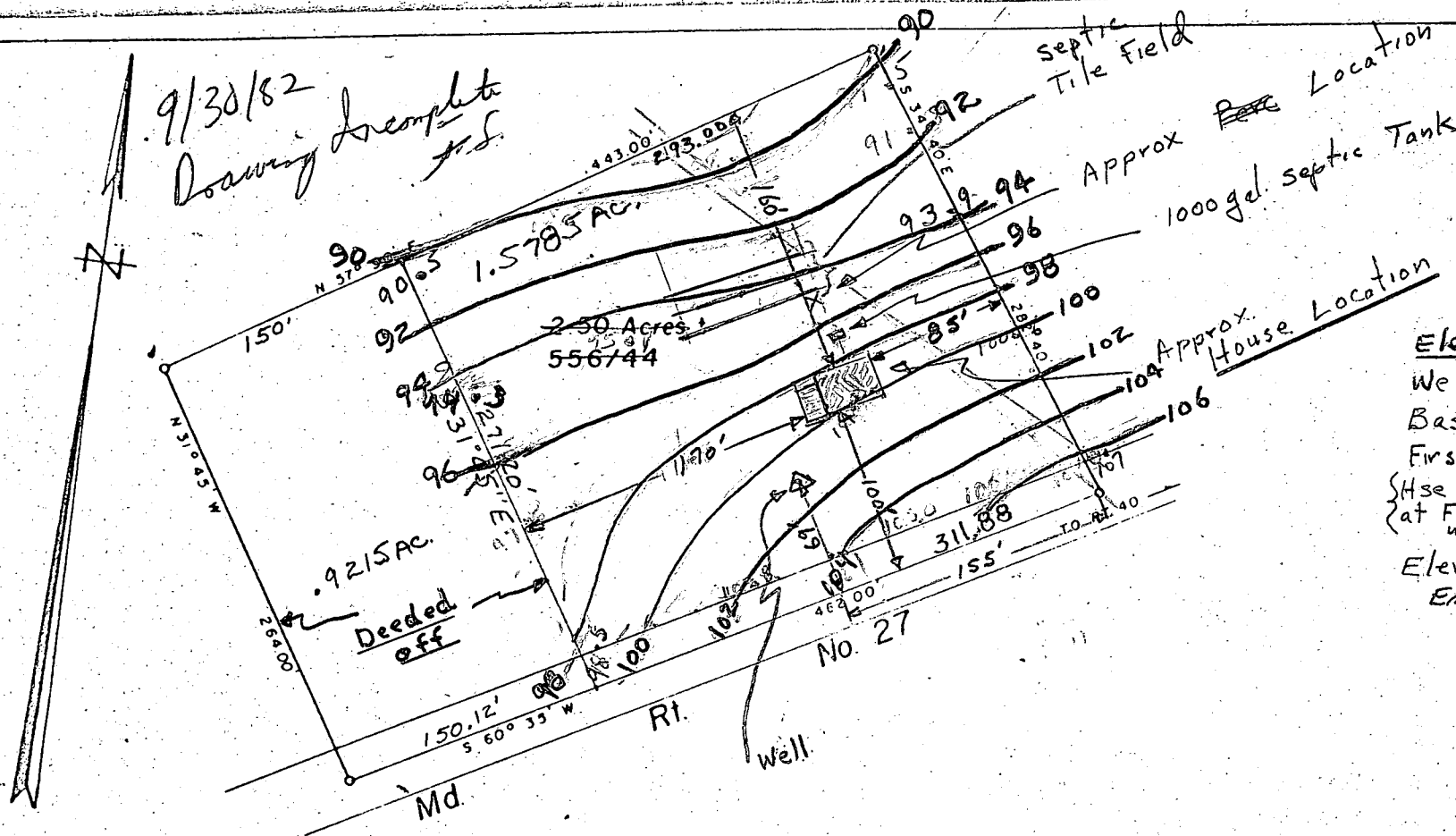
9/17/82
well site OK
F.S.

Scale 1" = 100'

B 1 9473	SEQUENCE NO. (OEP USE ONLY) <i>Pumped 300s - 6:30 AM</i>	STATE OF MARYLAND PERMIT TO DRILL WELL please print or type	OEP PERMIT NUMBER 40-73-4272 fill in this form completely
Date Received <i>9/24/82 9:30 AM</i> (THIS NUMBER IS TO BE PUNCHED IN COLUMNS ON ALL CARDS)		LOCATION OF WELL COUNTY <u>Howard</u> SUBDIVISION <u>NONE</u> SECTION <u>NONE</u> LOT <u>NONE</u> NEAREST TOWN <u>Mt. Airy</u> MILES FROM TOWN (enter 0 if in town) <u>I</u>	
OWNER INFORMATION Last Name <u>James</u> Owner <u>James</u> 34 Name Street or RFD <u>Box 9120</u> 36 Town <u>Mt. Airy</u> State <u>MD</u> 76 Zip <u>21771</u>		DIRECTION OF WELL FROM TOWN (CIRCLE BOX) 	
DRILLER INFORMATION Driller's Name <u>Ralph Mayne</u> 77 License No. <u>80</u> Firm Name <u>Ralph Mayne Well Drilling</u> Address <u>RT. 3 Box 9120 Mt. Airy Md.</u> Signature <u>Ralph Mayne</u> Date <u>9/13/82</u>		ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) NEAR WHAT ROAD <u>MO 27</u> DISTANCE FROM ROAD <u>70</u> (CIRCLE APPROPRIATE BOX)	
WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) <u>5</u> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <u>500</u>		SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN 'X' SOURCES OF DRILLING WATER 1. <u>20' casing</u> 2. <u>1 1/2' above gr</u> 3. <u>18' open</u> <u>5' pump cement</u> WRITE THE BOX NUMBER FROM THE MAP HERE E <u>750</u> N <u>550</u>	
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)		DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 	
APPROXIMATE DEPTH OF WELL <u>150</u> FEET APPROXIMATE DIAMETER OF WELL <u>6</u> INCH		METHOD OF DRILLING (circle one) BORED (OR AUGERED) <u>AIR ROTARY</u> JETTED JETTED & DRIVEN AIR PERCUSSION ROTARY (HYDRAULIC ROTARY) CABLE REVERSE ROTARY DRIVE POINT other _____	
REPLACEMENT OR DEEPEENED 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 DEEPEEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEENED (IF AVAILABLE) 41 _____		NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL COUNTY NAME <u>HOWARD</u> COUNTY NO. <u>A32143</u> OEP SIGNATURE _____ STATE HEALTH CIRCLE BOX <u>S</u> DATE ISSUED <u>09/17/82</u> CO SIGNATURE <u>Frank Shannon</u> NORTH GRID <u>551</u> EAST GRID <u>0750</u> EXPIRES <u>03/17/83</u>	
Not to be filled in by driller (OEP USE ONLY) APPROP. PERMIT NUMBER <u>54</u> <u>GAP</u> <u>63</u> FORCE <u>FS</u> WRITE INITIALS IN BOX PERMIT No. <u>40-73-4272</u>		SPECIAL CONDITIONS 8-63 1 2 3 6	

12359

9/30/82
Drawing Incomplete
J.S.



Elev.
Well 101.0
Basement 98.0
First Floor 106.0
House Sewer
at Foundation wall 96.0
Elev. at Septic
Entrance 95.6"

NOTE: The lot shown hereon complies with the minimum ownership width and lot area as required by the Md. State Dept. of Health Regulations.

APPROVED: Private Water and Private Sewer.

[Signature]
County Health Officer

4 28 71
Date

Scale 1"=100'

PLAT FROM DEED
FOR
JAMES W ANDERSON
FOURTH ELECTION DISTRICT OF HOWARD COUNTY
MT. AIRY, MARYLAND
SCALE: 1 IN. = 100 FT. APRIL 27, 1971

[Signature]
Claude M. Skinner Jr. Reg. Engineer & Land Surveyor No. 2237

11817 Hayfield Ct.
Potomac, Md. 20854

October 3, 1982

State of Maryland
Howard County Health Department
Ellicott City, Md. 21043

Atten: Frank Skinner

Dear Frank,

Per our telephone discussion on Friday the following added details regarding the septic system for the Jim Anderson house at Mt. Airy is submitted.

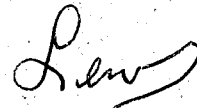
Invert elevation - where exits tank	95.35
Existing ground elevation	96.6

Invert elev. - entrance distrib. box	94.0
Distrib. box to be located near entrance to upper tile field trench. (Trench location shown on plat drawing.)	

	<u>Upper trench</u>	<u>Middle trench</u>	<u>Lower trench</u>
Invert elev. at trench	92.4	91.5	90.6
Existing ground elev. at trench	94.9	94.0	93.1

Please let me know if further information is needed.

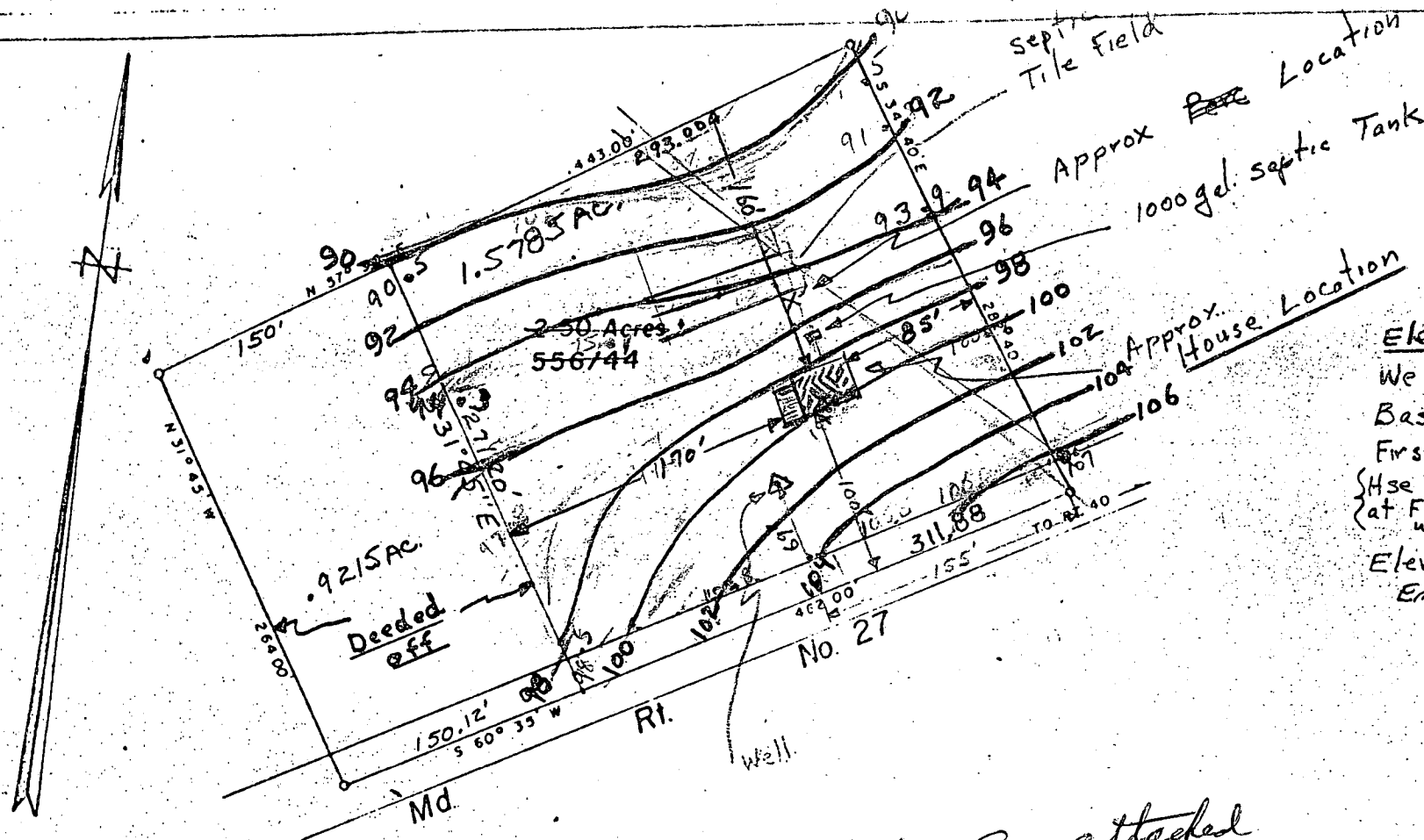
Sincerely,



Lewis F. Roth

RECEIVED
HOWARD COUNTY
HEALTH DEPT.
ELLCOTT CITY, MD.
OCT 6 9 37 AM '82

12359



Elev.	
Well	101.0
Basement	98.0
First Floor	106.0
House Sewer at Foundation wall	96.0
Elev. at Septic Entrance	95.6"

NOTE: The lot shown hereon complies with the minimum ownership width and lot area as required by the Md. State Dept. of Health Regulations.

APPROVED: Private Water and Private Sewer.

[Signature] 4 28 71
County Health Officer Date

10/1/82 Mr. Roth informed
elevation drawing incomplete
G.S.

10/7/82 See attached
Ltr dated 10/3/82
re. elevations of foundation
Sketch & elevations

Scale 1"=100'

PLAT FROM DEED
FOR
JAMES W ANDERSON
FOURTH ELECTION DISTRICT OF HOWARD COUNTY
MT. AIRY, MARYLAND
SCALE 1 IN. = 100 FT.
APRIL 27, 1971

[Signature]
Claude M Skinner Jr. Reg. Engineer & Land Surveyor No 2237

C 1 3268	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 32143	PERMIT NO. FROM "PERMIT TO DRILL WELL" 00-73-4273
Date Received (OEP use only)	DATE WELL COMPLETED 072482	Depth of Well 125 (TO NEAREST FOOT)	

OWNER Anderson last name	Jones first name	TOWN Mt. Airy
STREET OR RFD Mt. Rte. 27		
SUBDIVISION	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
Top So'l	0 2	
Brown Shale	2 11	
Brown Slate	11 30	
Blue Slate	30 50	
Brown Slate	50 60	
Blue Slate	60 125	

CIRCLE APPROPRIATE BOX	
☒ 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. 273
DRILLERS SIGNATURE <i>Ralph E. Mayne</i>
(MUST MATCH SIGNATURE ON APPLICATION)
SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

GROUTING RECORD	
WELL HAS BEEN GROUTED ☒ YES ☐ NO	
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.	from 48 TOP (enter 0 if from surface) to 58 BOTTOM

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	6	20

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

SCREEN RECORD	
screen type or openhole insert appropriate code below	☒ ST ☐ BR ☐ HO
	STEEL BRASS, BRONZE OPEN HOLE
	☐ PL ☐ OT
	PLASTIC OTHER

C 2 Seq. no. 1 2 3 4 5		
EACH SCREEN	DEPTH (nearest ft.)	
	140 18 125	
	☐	☐
	☐	☐

SLOT SIZE	DIAMETER OF SCREEN (NEAREST INCH)
2	60

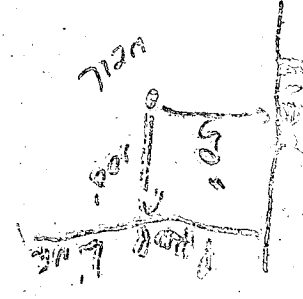
GRAVEL PACK	IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX ☐ F
-------------	---

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)	
T	(E.R.O.S.)
☐ 70	☐ 72
TELESCOPE CASING	LOG INDICATOR
	W Q ☐ 74 ☐ 75 ☐ 76
	OTHER DATA

C 3 Seq. no. 1 2 3 4 5		
PUMPING TEST		
HOURS PUMPED (nearest hour)	3	
PUMPING RATE (gal. per min. to nearest gal.)	8	
METHOD USED TO MEASURE PUMPING RATE bucket		
WATER LEVEL (distance from land surface)		
BEFORE PUMPING	47	
WHEN PUMPING	125	
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	
YES NO	
☒ Y ☐ 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)	
31 35	
PUMP HORSE POWER	
41 47	
PUMP COLUMN LENGTH (nearest ft.)	
43 47	
CASING HEIGHT (circle appropriate box and enter casing height)	
☒ + above	LAND SURFACE
☐ - below	(nearest foot)
50 51	

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)	



Well Permit No. HO - 73-4272

MD. Rk 27

Lot — Block — Plat — Sec. —

Owner James W. Anderson

Distance of measuring point (M.P.) above ground 1 1/2 FT

Static water level (S.W.L.) below M.P. 44 FT

1. High rate pumping -- reservoir drawdown

Time pump started 4:30

Pumping rate 9 G.P.M.

Total time 15 min to reach pumping water level 46 Ft ft. below M.P.

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

[illegible]