

approved 7/6/83  
Stayer

7/6/83

# PERMIT

P 27195  
A 32888

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY  
BUREAU OF ENVIRONMENTAL HEALTH  
992-2330

04-331958

ELLICOTT CITY  
DISTRICT 4th

## INDEX

DATE June 24, 1983

Crouse Plumbing & Heating IS PERMITTED TO INSTALL  ALTER

ADDRESS 6426 Cedar Lane, Columbia, MD PHONE 997-4164

SUBDIVISION Middle Trail ROAD 16537 Old Frederick Rd lot 5-A

PROPERTY OWNER Joseph Hewitt Dorsey

ADDRESS 13090 Old Frederick Road, Sykesville, MD 21784

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

158 sq. ft. per bedroom. Bottom area minimum total sq. ft. 3 bdrm., 474. Trench 3 ft. wide. Inlet 3 ft. below original grade. Maximum depth 5 ft. below original grade.

Effective area begins at 3 ft. below original grade 1 1/2 - 2 ft. of stone below distribution pipe. NOTE: 1. No trench to exceed 100 ft. in length; 2. If more than one trench used, a distribution box is required; 3. Trenches to be installed on level ground.

LOCATION: Start the 1st. trench 95 ft. from the 1274.67 ft. long lot line and 115 feet from the 267.01 ft. long lot line. Place successive trenches Parallel to and 9 ft. away from each other. If garbage disposal is to be used, increase septic tank capacity by 50% and disposal area (sq. ft.) by 22%. Frank Skinner

PLANS APPROVED BY DATE 6/1/83

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.

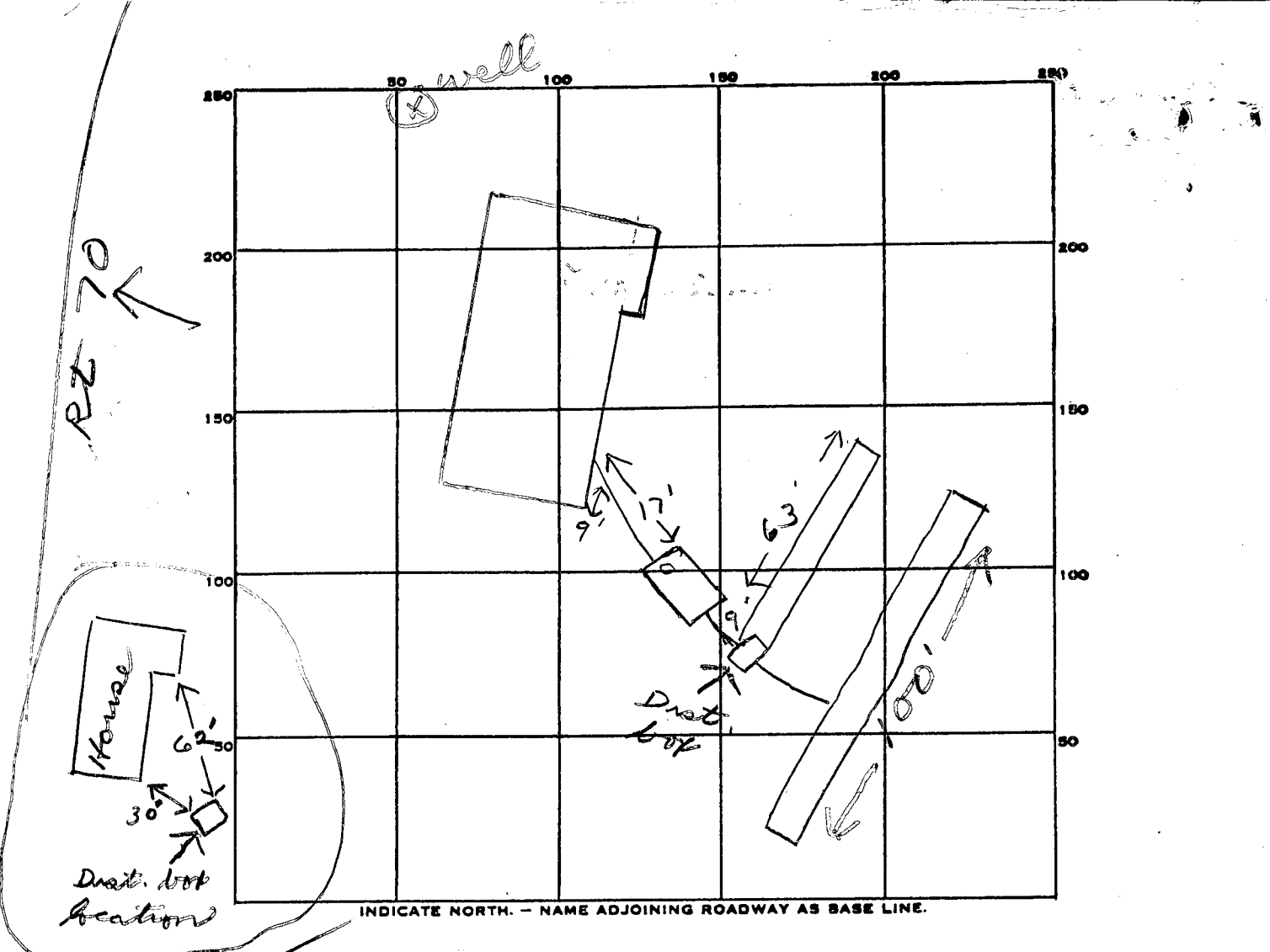
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

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

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

EH - 2-1082

A 32888



PERMIT CARD \_\_\_\_\_

SEPTIC TANK, LEVEL

CLEANOUTS ST

DISTRIBUTION BOX, LEVEL

TILE FIELD, DEPTH 5 FT. TRENCH WIDTH 3 FT.

GRAVEL DEPTH 2 IN. TOTAL LENGTH 163 FT.

NUMBER OF TRENCHES 2 TOTAL BOTTOM AREA 489

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

ABSORBENT AREA 489 SQ. FT.

REMARKS 7/6/83 OK to cover all work. js

DATE SYSTEM APPROVED 7/6/83

INSPECTOR Stayer

Subdivision: Middle Trail

A 27195

Lot # 5A

158 sq ft / bdrm

**TRENCHES**

	<u>SEPTIC TANK</u>	<u>BOTTOM AREA</u> <u>Minimum Total Sq. Ft.</u>
3 bdrm	1000 GAL.	<u>474</u>
4 bdrm	1250 GAL.	<u>632</u>
5 bdrm	1500 GAL.	<u>790</u>

TRENCH 3 ft width

Inlet 3 ft ft below original GRADE

MAXIMUM Depth 5 ft below original GRADE

EFFECTIVE AREA BEGINS AT 3 ft below ORIG. GD.

16 → 2 ft OF STONE below distribution pipe.

NOTE: ① NO TRENCH TO EXCEED 100 ft IN LENGTH

② IF MORE THAN ONE TRENCH USED, A distribution box is REQUIRED

③ TRENCHES TO BE INSTALLED ON LEVEL ground.

LOCATION: Start the 1st trench 95 feet from the 1274.67 ft. long lot line and 115 feet from the 267.01 ft. long lot line. Place successive trenches parallel to and 9 feet away from each other.

If garbage disposal is to be used, increase septic tank capacity by 50% and disposal area (SQ. FT.) by 22%

F.S.  
6/1/82

# APPLICATION

A27195

## 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: 465-5000, EXT. 356

DISTRICT 4th

DATE 11/8/77

*Spec's on attached  
separate sheet*

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 Joseph Hewitt Dorsey

ADDRESS Suite 118, Teachers Bldg, Columbia, Md. PHONE 489-4629  
Sykesville, Md 21784

PROPERTY LOCATION: Use on Lot 5A

SUBDIVISION Middle Trail LOT NO. 15C

ROAD AND DESCRIPTION 16537 Old Frederick Rd.

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. 3 or 4 bedrooms  
NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE \_\_\_\_\_

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

SIGNATURE OF APPLICANT \_\_\_\_\_

APPROVED BY F. Skinner FOR tile <sup>shallow</sup> field DATE 5/19/82  
(KIND OF SYSTEM)

REJECTED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_  
(KIND OF SYSTEM)

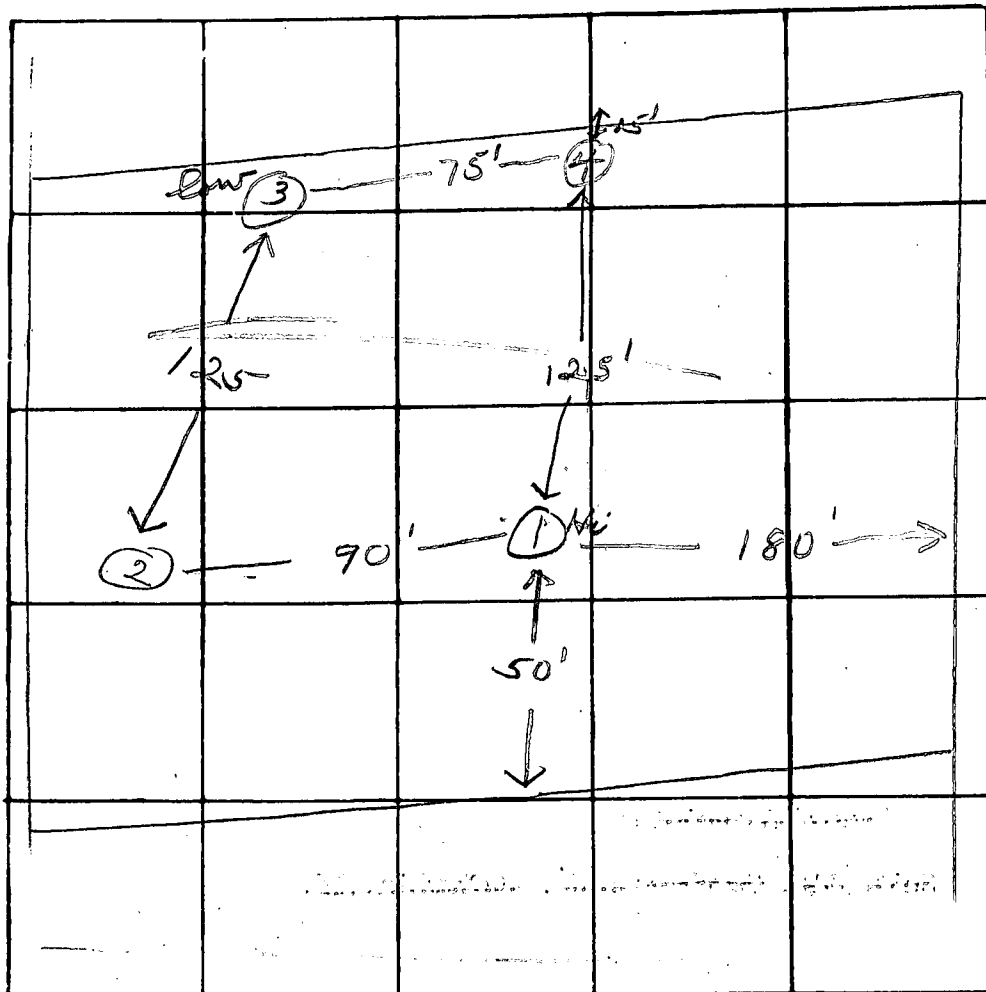
HOLD PENDING FURTHER TESTS \_\_\_\_\_ DATE \_\_\_\_\_

REASONS FOR REJECTION OR HOLDING \_\_\_\_\_

BLDG. PERMIT SIGNED  
AND RETURNED 3/14/82  
Serial # 52639 S.F.D.

# THIS IS NOT A PERMIT

Polara  
 51  
 7" Shaley  
 not heavy  
 13'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST 1" DROP		TIME
			START	STOP	START	STOP	
5/5/82	1S	3	1:44	1:48	1:48	1:57	9
	1M	7	2:09				1/2
	2S	4	1:54	1:56	1:56	2:04	8
	2M	8	1:54	1:54 1/2	1:54 1/2	1:55	1/2
	3S	4	2:11	2:15	2:15	2:20	5
	3D	13	did not	occur	each	similar	
	4V	12	over	area			

REMARKS \_\_\_\_\_

TYPE OF SOIL \_\_\_\_\_

TESTED BY JS ALSO PRESENT: Ketterman

B 1 11889 SEQUENCE NO. WRA USE ONLY  
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-8 ON ALL CARDS)

STATE OF MARYLAND  
APPLICATION FOR PERMIT TO DRILL WELL

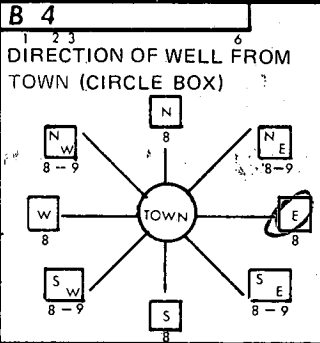
WRA PERMIT NUMBER  
H0-73-4191  
fill in this form completely

please print or type

DATE RECEIVED 05-24-82 9:11 AM  
6/3/82 9:30 AM  
8 (WRA USE ONLY) 13  
OWNER INFORMATION  
Norsey Joseph  
LAST NAME OWNER FIRST NAME  
15 34  
13090 Old Frederick Rd.  
36 STREET OR RFD 55  
Sykesville, Md. 20984  
TOWN 57 STATE 76 ZIP

B 3 LOCATION OF WELL  
COUNTY 6 Howard 21  
SUBDIVISION 8 Lisbon Middle Trail 42  
SECTION 23 44 LOT 5 A 48 50  
NEAREST TOWN 52 Poplar Springs 71  
MILES FROM TOWN (enter 0 if in town) 73 8/10 MI 76 77 78

B 1 CONTINUED DRILLER INFORMATION  
Joseph H. Mayne 238  
DRILLER'S NAME 77 LICENSE NO. 80  
Joseph H. Mayne May 20, 82  
SIGNATURE DATE



Old Frederick  
11 NEAR WHAT ROAD 30  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) WEST 32 EAST  
SOUTH  
1600  
34 DISTANCE FROM ROAD 37 (CIRCLE APPROPRIATE BOX) MI 38 39

B 2 WELL INFORMATION  
APPROX. PUMPING RATE (GAL. PER MIN) 5  
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750 12 20

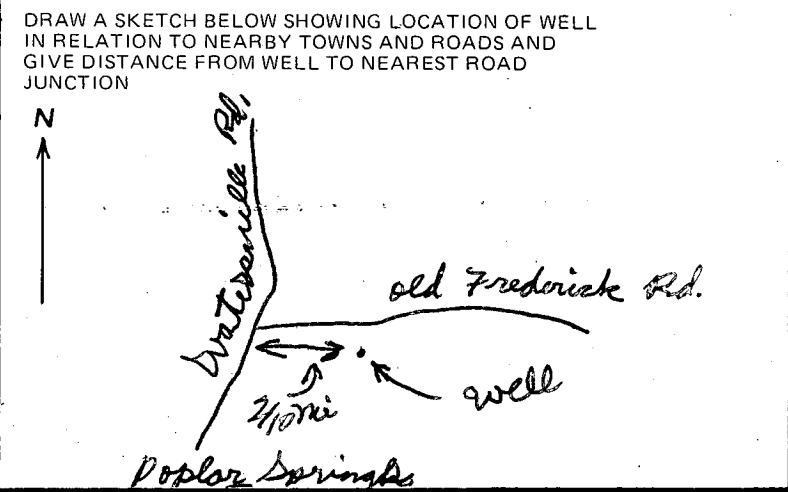
SHOW LOCATION OF WELL WITH AN "X" IN THIS BOX  
WRITE THE BOX NUMBER FROM THE MAP HERE  
E 770 5  
N 550 1  
6/3/82 JS

USE FOR WATER (CIRCLE APPROPRIATE BOX)  
D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)  
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)  
P PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH DEPARTMENT APPROVAL)  
T TEST, OBSERVATION, MONITORING (MAY REQUIRE APPROPRIATION PERMIT)

APPROXIMATE DEPTH OF WELL 180 FEET  
APPROXIMATE DIAMETER OF WELL 6 INCH

Method of Drilling (circle one)  
BORED (OR AUGERED) JETTED JETTED & DRIVEN  
30-37 AIR ROTARY AIR-PERCUSSION ROTARY (HYDRAULIC)  
CABLE REVERSE ROTARY DRIVE-POINT ROTARY  
other

REPLACEMENT OR DEEPEMED WELLS (Circle Appropriate Box)  
N THIS WELL WILL NOT REPLACE AN EXISTING WELL  
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED  
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY  
D THIS WELL WILL DEEPEM AN EXISTING WELL  
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52



Not to be filled in by driller (WRA USE ONLY)  
APPROX. PERMIT NUMBER 54 GAP 63  
FORCE ES INITIALS IN BOX WRITE CONDITIONS 40-73-4191  
A E N S G W Q C L U  
70 71 72 73 74 75 76 77 78 79

B 4 NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL  
HOWARD COUNTY NAME A27195 COUNTY NO.  
EHA SIGNATURE STATE HEALTH CIRCLE BOX S 41  
MO DAY YR 06 01 82  
CO SIGNATURE Frank Skinner DATE 6/1/82  
NORTH 551 000 EAST 0775 000 ELEV. (FT.)  
GRID 50 55 GRID 57 63 65 68

B 5 SPECIAL CONDITIONS 8-63 (WRA USE ONLY)

C1 3187 SEQUENCE NO. (OEP USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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 A27195

Date Received (OEP use only)

DATE WELL COMPLETED 4-3-82

Depth of Well 203 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HC-75-4197

OWNER Dorsey Joseph last name first name STREET OR RFD Old Fredrick Road TOWN Poplar Springs SUBDIVISION Middle Trail SECTION LOT 5A

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM TO), Check if water bearing. Entries: Brown Shale 0-47, Blue Rock 47-203.

WELL HAS BEEN GROUTED (yes Y no N) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 10 NO. OF POUNDS 450 GALLONS OF WATER 60 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 44 ft.

CASING RECORD casing types insert appropriate code below: ST STEEL, CO CONCRETE, PL PLASTIC, OT OTHER. MAIN CASING TYPE SA Nominal diameter 6 Total depth 51

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

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

DEPTH (nearest ft.) HO 49 203

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

SLOT SIZE 2 3 DIAMETER OF SCREEN (NEAREST INCH) from to GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL CIRCLE BOX [F]

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.

TELESCOPE CASING [ ] LOG INDICATOR [ ] OTHER DATA [ ]

DRILLERS IDENT. NO. 238 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

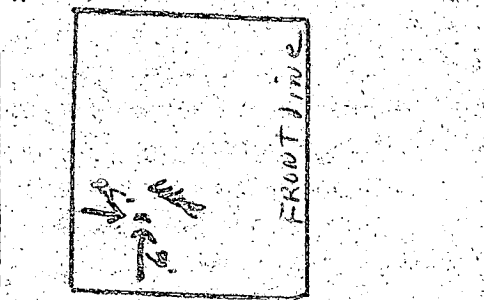
OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER)

SITE SUPERVISOR (sign of driller or journeyman responsible for sitework if different from permittee)

PUMPING TEST C 3 HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min. to nearest gal.) 10 METHOD USED TO MEASURE PUMPING RATE submersible WATER LEVEL (distance from land surface) BEFORE PUMPING 39 WHEN PUMPING 42 TYPE OF PUMP USED (for test) [S] submersible

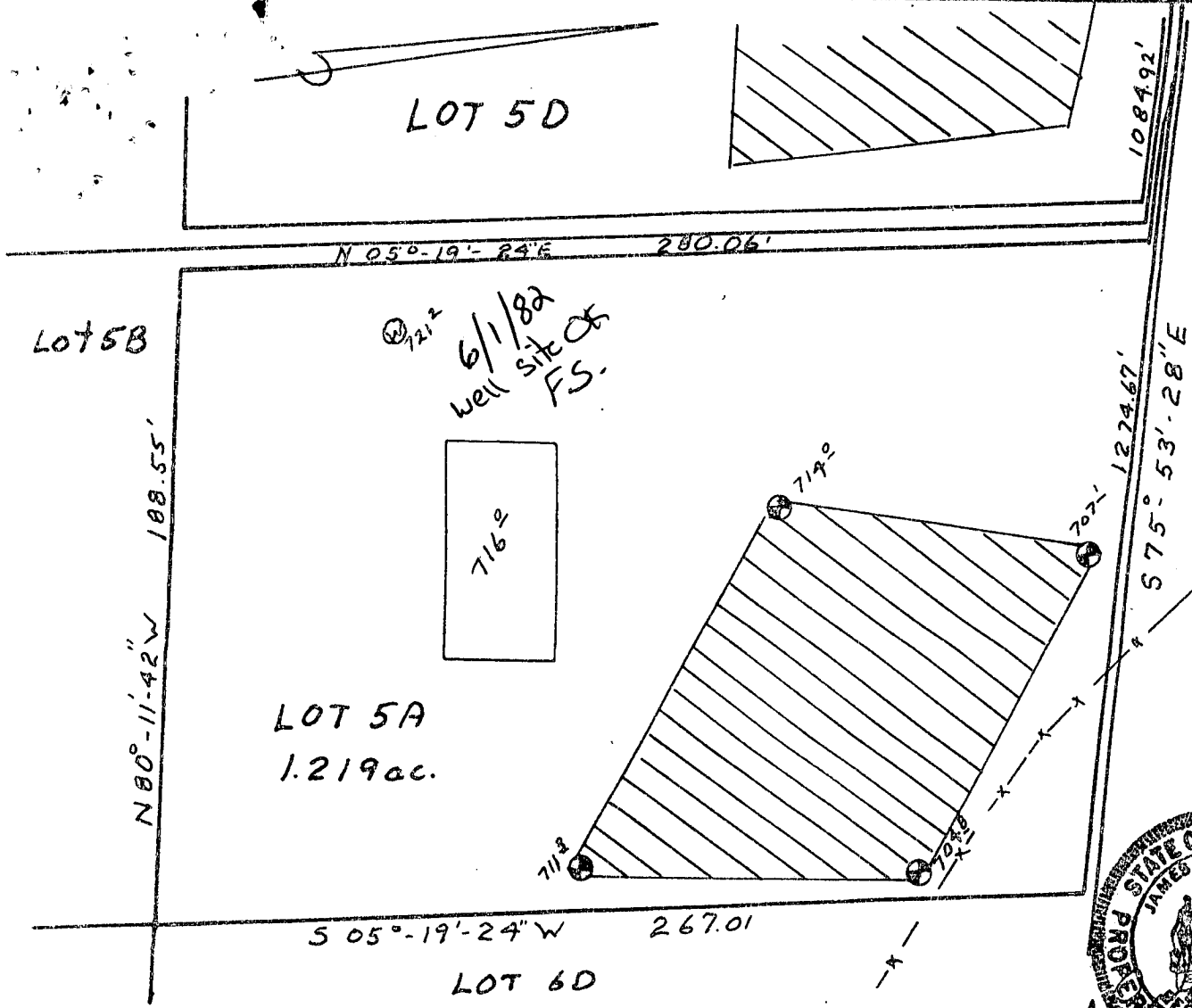
PUMP INSTALLED YES [Y] NO [N] DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE. TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: (A, C, J, P, R, S, T, O)) CAPACITY GALLONS PER MINUTE (to nearest gallon) PUMP HORSE POWER PUMP COLUMN LENGTH (nearest ft.) CASING HEIGHT (circle appropriate box and enter casing height) [ ] above LAND SURFACE [ ] 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)









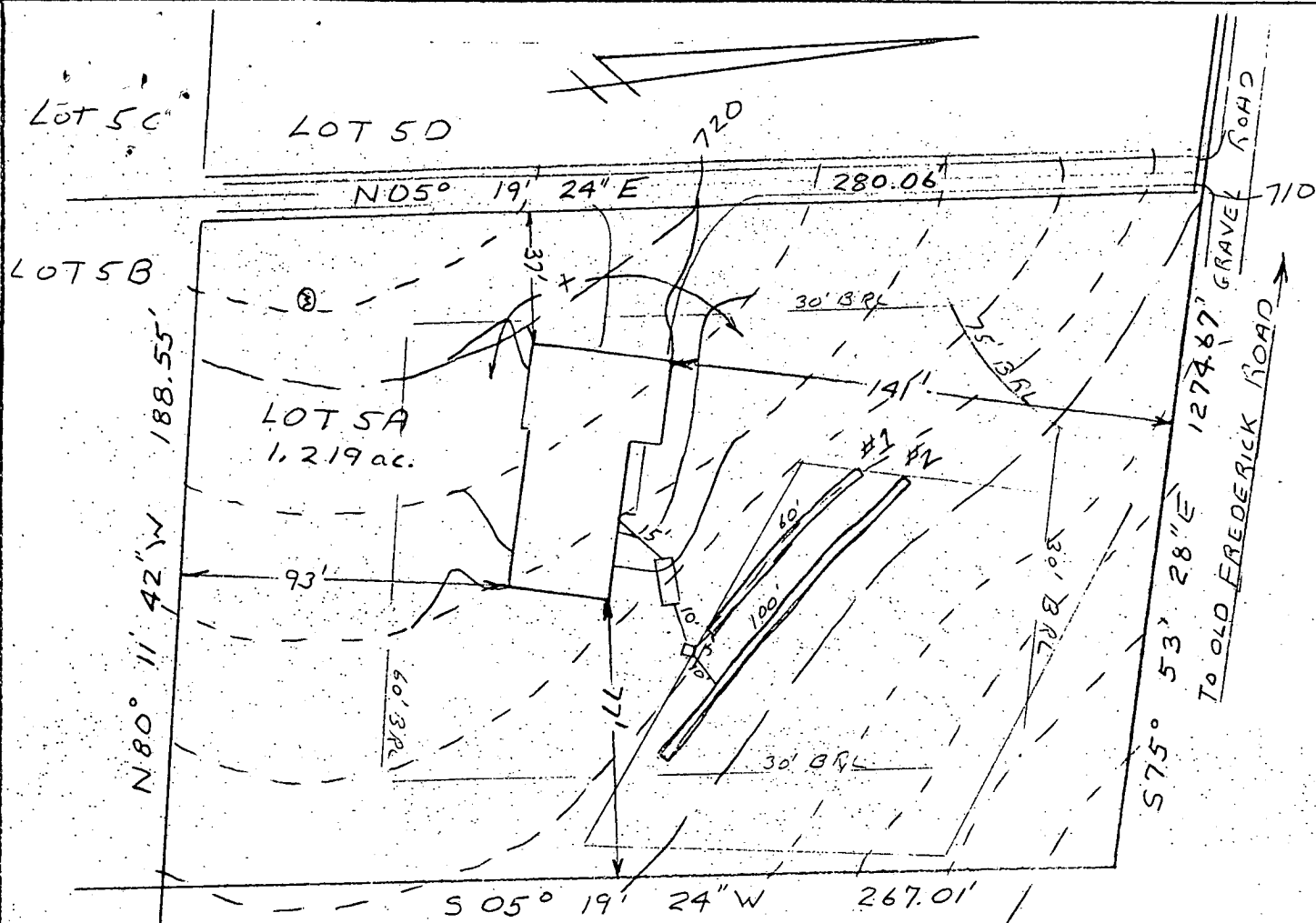
This area designates a private sewage easement of 10,000 square feet as required by the Maryland State Department of Health and Mental Hygiene for individual sewage disposal. Improvements of any nature in this area are restricted until public sewage is available. These easements shall become null and 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  
 PROPERTY OF  
 HOWARD ASSOCIATES  
 LOT 5A  
 LISBON MIDDLE TRAIL  
 4th Election District  
 Howard County, Maryland  
 Scale 1"=50'  
 Date 5-14-82

APPROVED: For Private Water and Private Sewage Systems  
*James C. Hudgins*  
 County Health Officer *FS.* Date *5-21-82*

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



HOUSE:

FIRST FLOOR	721.0
BASEMENT	712.0
INVERT	709.77

SEPTIC TANK:

EXISTING GRADE	714.0
PROPOSED GRADE	715.0
INVERT IN	709.45
INVERT OUT	709.20

DISTRIBUTION BOX:

EXISTING GRADE	712.1
PROPOSED GRADE	712.1
INVERT	709.1

TRENCHES:

	<u>LENGTH</u>	<u>WIDTH</u>	<u>STONE</u>	<u>INVERT</u>	<u>BOTTOM</u>
#1	60'	3'	2'	709.0	707.0
#2	100'	3'	2'	708.0	706.0

3/14/83  
 Sketch O.K.  
 J.S.

PLOT PLAN

LOT 5A

MIDDLE TRAIL

4th ELECTION DISTRICT

HOWARD COUNTY MARYLAND

SCALE 1"=50' DATE 3/10/83

I certify the above measurements and elevations are true and actual for this property.

*J. Carl Hudgins*  
 J. Carl Hudgins