

7/25/86
7/29/86
ASAP
JOB COMPLETE
11/24/86
8/4/86
ANYTIME

House connected
8/4/86
Septic tank
+ complete
P 37410
A 31733

PERMIT

SEWAGE DISPOSAL SYSTEM
MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY
BUREAU OF ENVIRONMENTAL HEALTH
992-2330
461-9933

INDEXED

05-393019

ELLICOTT CITY
DISTRICT 5th
DATE 7/25/86

Wayde E. Souder IS PERMITTED TO INSTALL ALTER
ADDRESS 13990 Triadelphia Mill Road, Dayton, Maryland 21036 PHONE 531-2166
SUBDIVISION Dunfretten Estates ROAD 13626 Meadow Glenn Court OT 20
PROPERTY OWNER Fred & Myra Maultsby
ADDRESS _____

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

TRENCHES - 158 sq. ft. per bedroom. Trench to be 2 feet wide. Inlet 2 1/2 feet below original grade. Bottom maximum depth 8 1/2 feet below original grade. Effective area begins at 2 1/2 feet below original grade. 6 feet of stone below distribution pipe.

LOCATION - Start the trench 195 feet from the front lot line and 40 feet from the right side of the lot as seen when facing the lot from Meadow Glenn Court. Run the trench toward the back of the lot.

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

7/25/86 (RS)

BLDG. PERMIT SIGNED AND RETURNED 7/29/86
Serial # 72/39 -
1000 gal. propane ga.

PLANS APPROVED BY Raymond Hodges DATE 5/27/83

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.

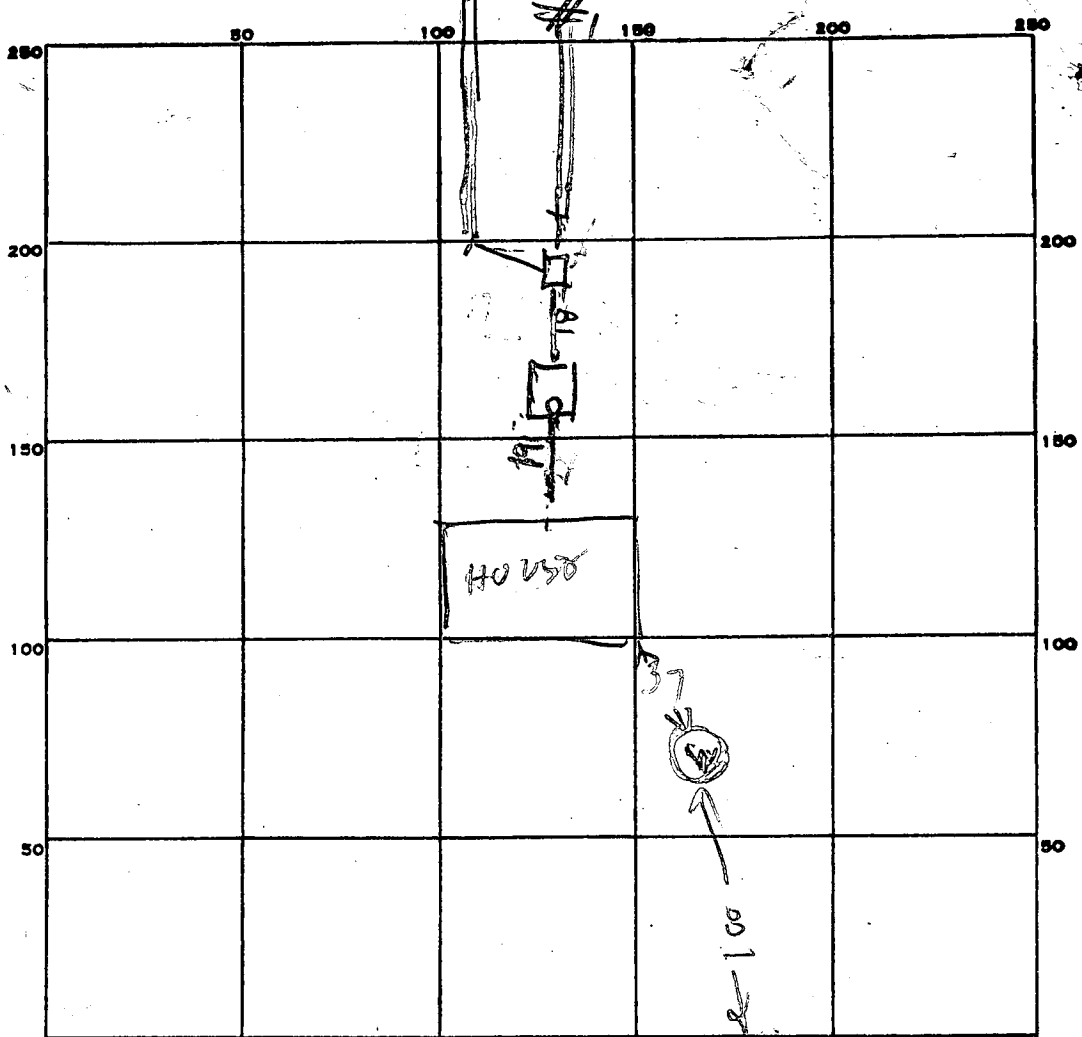
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA, OR PVC OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET MANHOLE TO GRADE REQUIRED.

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

*CALL 992-2330 FOR INSPECTION OF SEPTIC SYSTEMS.

EH - 2-1082

A 31733



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASELINE.

no final
canal not located
no curbs

PERMIT CARD _____

SEPTIC TANK, LEVEL 1500 TOP LEFT DEEP CLEANOUTS ST
OK

DISTRIBUTION BOX, LEVEL OK

TILE FIELD, DEPTH #1 | #2
3.53 | 3.56 FT. TRENCH WIDTH #1 | #2
2 | 2 FT.

GRAVEL DEPTH 5.5 | 5.6 IN. TOTAL LENGTH 59 | 60 FT.

NUMBER OF TRENCHES 2 TOTAL BOTTOM AREA #1 | #2 | TOTAL
334 | 336 | 670

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

ABSORBENT AREA _____ SQ. FT.

REMARKS 7/29/86 LOCATION OK TRENCH #1 DUG & MOST OF
TRENCH #2 DUG. FINISH TRENCH #2 ADD STONE TO BOTH
TRENCHES 7/20/86 TRENCH #2 DUG 60 FT LONG. SOME
STONE ADDED TO BOTH TRENCH. CALL WHEN FINISHED RH

7/29/86 - 632 SOFT REQUIRED 670 SOFT installed
COVER SYSTEM CALL FOR HOUSE HOOKUP IN SPECTON RH

DATE SYSTEM APPROVED 8/1/86 INSPECTOR R.H. / B.W. /

A 31733

SUBDIVISION: DUNFRETTE ESTATES

LOT NUMBER: 20

DRY WELL OR DRY WELL AND TRENCH

125 sq. ft./bedroom

	<u>Septic Tank</u>	<u>Minimum Total square Feet</u>
3 bedroom	1000 gallon	_____
4 bedroom	1250 gallon	_____
5 bedroom	1500 gallon	_____

Inlet 2 1/2 feet below original grade.
 Bottom maximum depth 9 1/2 feet below original grade.
 Effective area begins at 2 1/2 feet below original grade.

NOTE: If trench is used to make up absorbent area, run the trench on level ground and leave a 5 foot earth buffer between dry well and trench. No trench is to exceed 100 feet in length. Trench inlet to be same as dry well, with 7 feet of stone below distribution pipe.

OR
TRENCHES

158 sq. ft./bedroom

Trench to be 2 wide.
 Inlet 2 1/2 feet below original grade.
 Bottom maximum depth 8 1/2 feet below original grade.
 Effective area begins at 2 1/2 feet below original grade.
6 feet of stone below distribution pipe.

*4-No
well ok*

- NOTE:
- (1) No trench to exceed 100 feet in length.
 - (2) If more than one trench used, a distribution box is required.
 - (3) Trenches to be installed on level ground.
 - (4) Call for inspection of trench before gravel is installed.
 - (5) Provide 6"-8" diameter cleanout and cap to grade or above on septic tank and drywell.
 - (6) If a Garbage disposal is used, increase septic tank capacity by 50% and increase absorbant sidewall area by 22%.

LOCATION: START THE TRENCH OR PLACE THE DRY WELL AT PERC HOLE #4
WHICH IS LOCATED 195 FT FROM THE FRONT LOT LINE & 40 FT FROM THE
RIGHT SIDE OF THE LOT AS SEEN WHEN FACING THE LOT FROM MEADOW GLENNA
RUN THE TRENCH TOWARD THE BACK OF THE LOT 5/183 (R)H

D.P. # 68850 3-3-86

BLDG. PERMIT SIGNED
AND RETURNED 3-3-86

APPLICATION

A 31733

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES

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

DISTRICT 5th

DATE 11/24/81

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 S. Turner Nichols and James S. Nichols *FRED & MYRA MAULTSBY*

ADDRESS 13270 Triadelphia Mill Road PHONE 286-2993
Clarksville, Md. 21029

PROPERTY LOCATION:

SUBDIVISION Dunfretten Estates LOT NO. #20

13626 Meadow Glenn (Macadam)
ROAD AND DESCRIPTION _____

SIZE OF LOT 3 Acres TYPE BLDG. _____ (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. Turner Nichols - James S. Nichols
(SIGNATURE OF APPLICANT)

APPROVED BY *Raymond Hodge* FOR *myrill* DATE 5/27/83

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING BP. 68850

THIS IS NOT A PERMIT

APPLICATION

A 3733

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P _____

HOWARD COUNTY HEALTH DEPARTMENT
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Meadow Glenn (Macadam)

ROAD AND DESCRIPTION _____

SIZE OF LOT 3 Acres TYPE BLDG. _____

(NUMBER OF BEDROOMS)

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REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

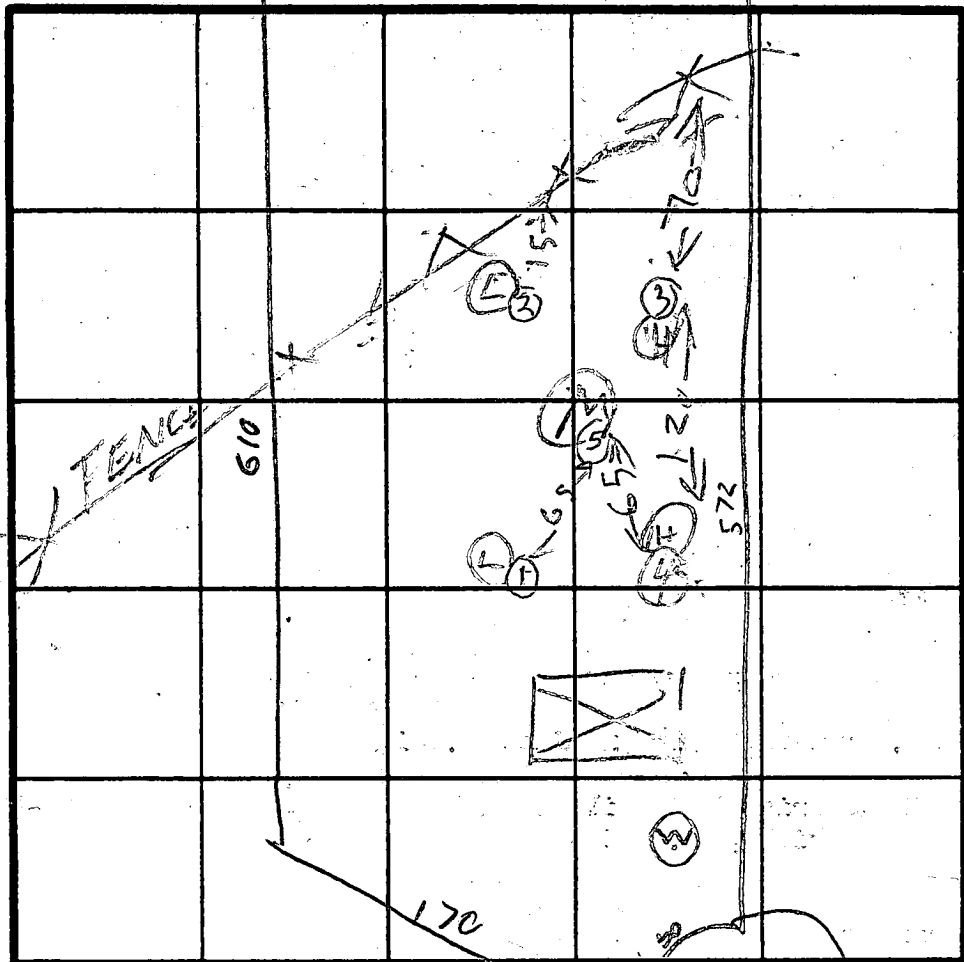
THIS IS NOT A PERMIT

See Plot

#20

Hole
Elevation
Ⓜ = High
Ⓛ = Low
Ⓜ = Medium

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/9/01	1 S	4	1029	1030	1030	1031	1
	1 V	12	ALL	SANDY		DRY	
	2 S	5 1/2	1034	1036	1036	1038	2
	2 V	12 1/2	ALL	SANDY		DRY	
	3 S	4 1/2	1039	1040	1040	1041	1
	3 V	12 1/2	ALL	SANDY		DRY	
	4 S	4 1/2	1042	1043	1043	1046	3
	4 V	12	ALL	SANDY		DRY	
	5 V	12	ALL	SANDY			

av time 2
max depth 2 1/2

REMARKS Extra Hole (5) in middle of Pattern

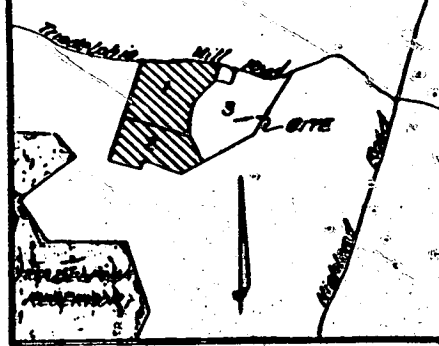
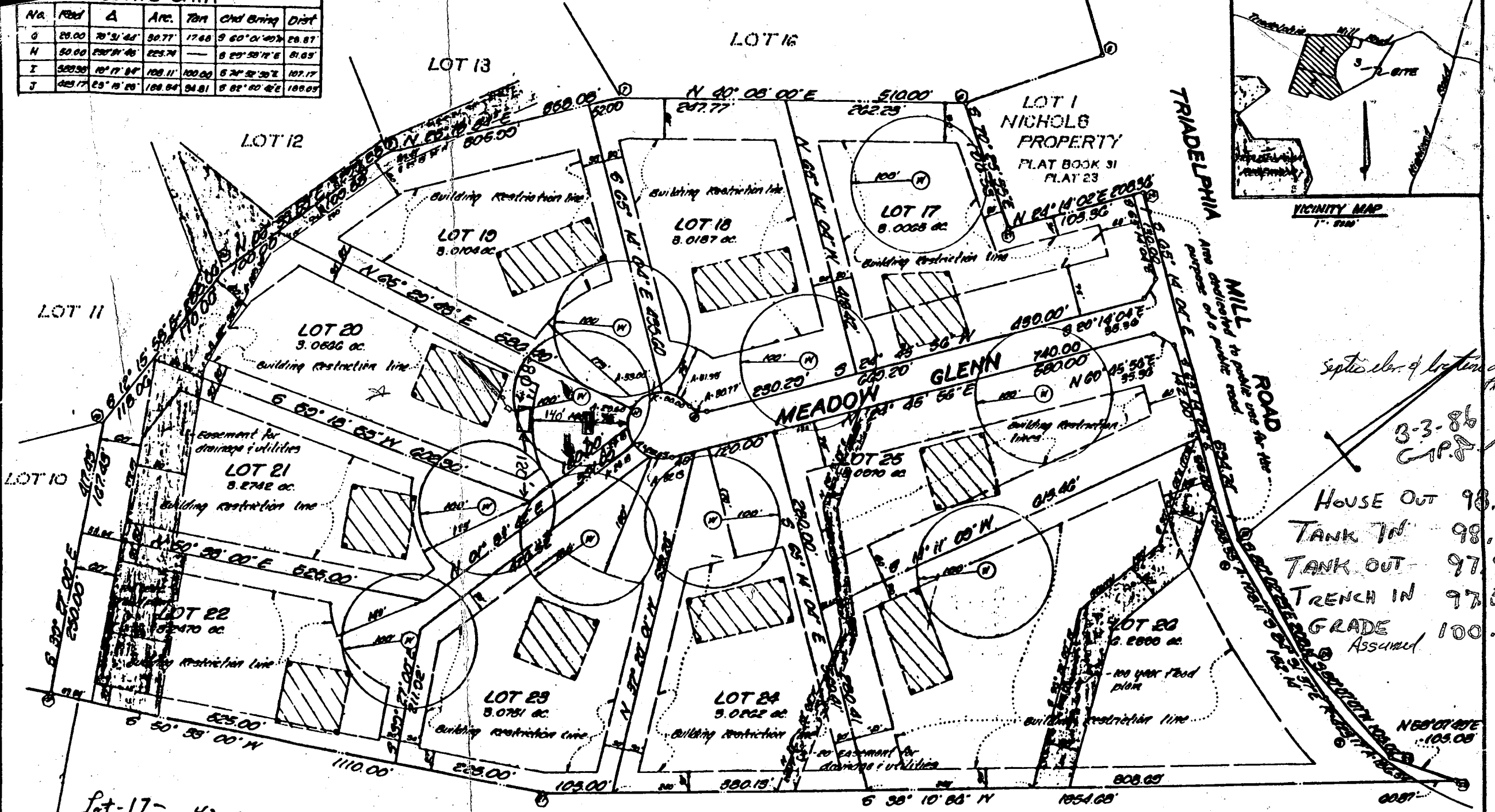
TYPE OF SOIL

TESTED BY R HODGES

ALSO PRESENT
F NICHOLS
J NICHOLS
ORNDORF

EH-12-1079

No.	Feet	Δ	Ac.	Ten	Chd. Brng	Dist
G	28.00	70° 31' 44"	50.77	17.68	S 60° 01' 40" W	28.87
H	50.00	E 50° 14' 46"	225.74	—	S 25° 50' 12" E	81.65
I	500.50	10° 17' 34"	108.11	100.00	S 74° 32' 30" E	107.17
J	425.17	E 5° 15' 20"	188.64	54.81	S 62° 20' 42" E	188.05



VICINITY MAP
1" = 100'

Septic sl. of location

3-3-86
G.P.S.

- HOUSE OUT 98.40
 - TANK IN 98.15
 - TANK OUT 97.90
 - TRENCH IN 97.50
 - GRADE 100.00
- Assumed

- Lot-17- 42,500
- 18- 42,500
- 19- 42,500
- 20- 41,500
- 21- 41,000
- 22- 41,000
- 23- 42,500
- 24- 41,000
- 25- 39,500
- 26- 60,000

WILLIAM I. CURTIS
L. 235 F. 524

B 1 0226 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

OEP PERMIT NUMBER
HO-81-0216
fill in this form completely

please print or type

Date Received 8/4/83 10:00 AM
OWNER INFORMATION
MAZILTSBY FRIED
5912 Snowdews Run Rd.
Sylvesterville MD 21784

LOCATION OF WELL
COUNTY Howard
SUBDIVISION Dunfretten Estates
SECTION 0 LOT 20
NEAREST TOWN Dayton
MILES FROM TOWN 2

DRILLER INFORMATION
Joseph L. Mayne 238
5512 Ridge Rd Mt Airy Md.
Joseph L. Mayne 7/22/83

Meadows Glenn
DIRECTION OF WELL FROM TOWN (CIRCLE BOX)
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
DISTANCE FROM ROAD 80

WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

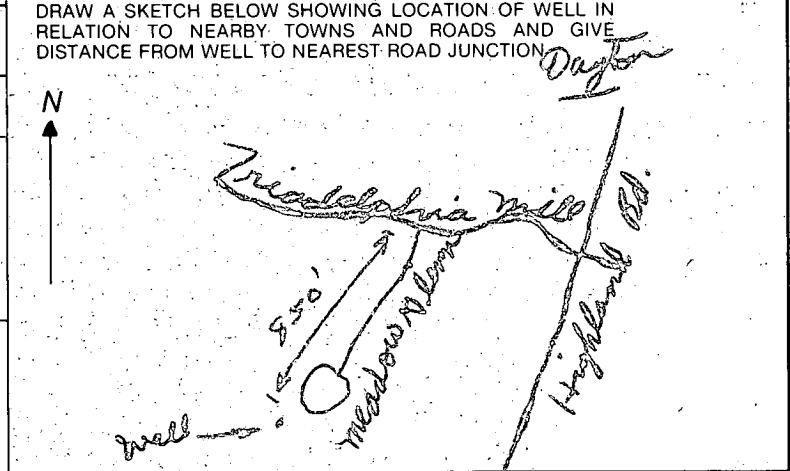
USE FOR WATER (CIRCLE APPROPRIATE BOX)
HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOV. OTHER (REQUIRES APPROPRIATION PERMIT)
PUBLIC OR PRIVATE WATER COMPANY (REQUIRES APPROPRIATION PERMIT AND STATE HEALTH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

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
SOURCES OF DRILLING WATER
1. WELL
WRITE THE BOX NUMBER FROM THE MAP HERE
8003
5002

APPROXIMATE DEPTH OF WELL 300 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



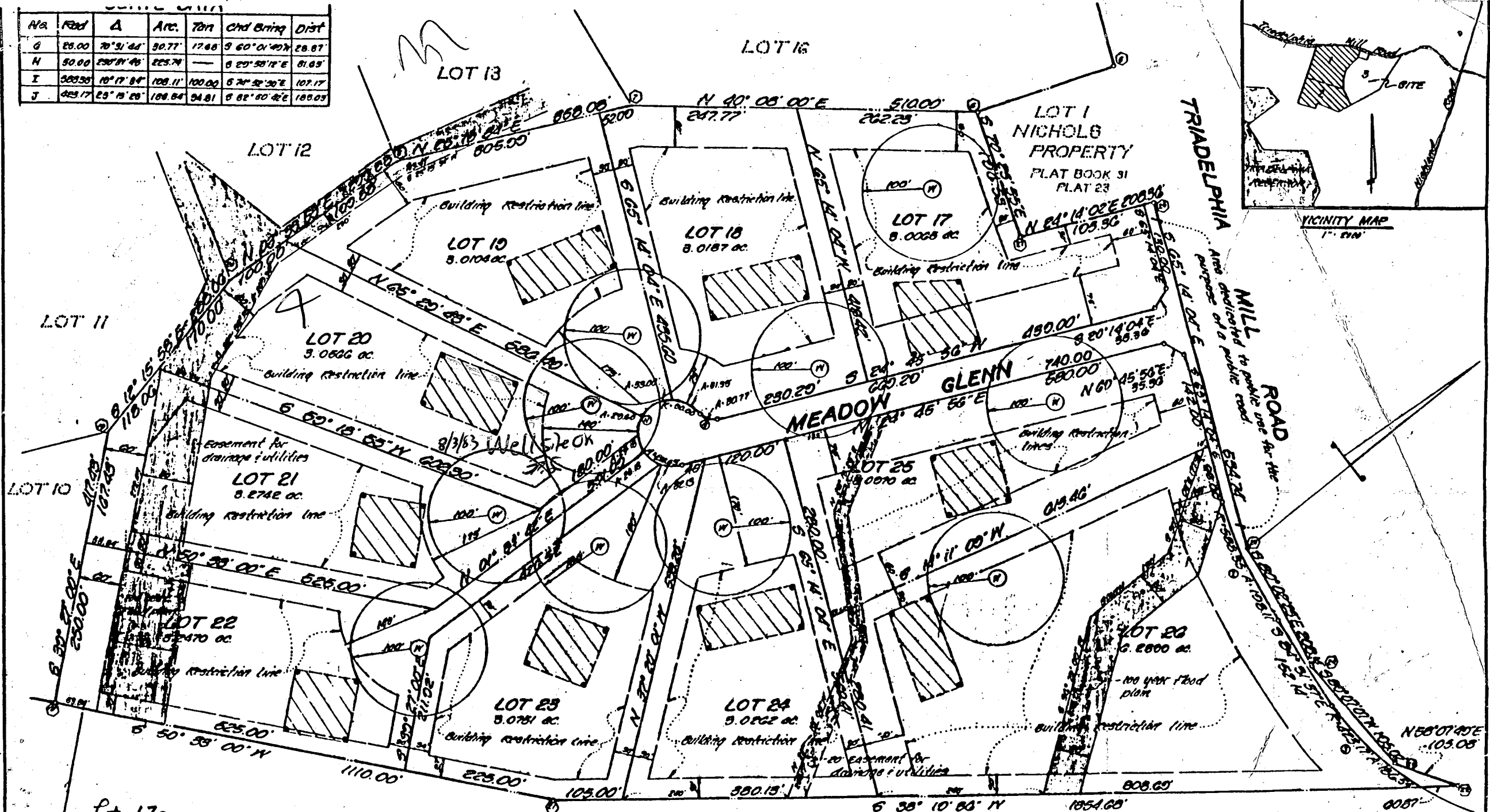
REPLACEMENT OR DEEPENED WELLS (CIRCLE APPROPRIATE BOX)
THIS WELL WILL NOT REPLACE AN EXISTING WELL
THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY
THIS WELL WILL DEEPEAN AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEANED (IF AVAILABLE)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
HOWARD COUNTY NAME A31733 COUNTY NO.
OEP SIGNATURE DATE ISSUED 8/22/83
CO SIGNATURE Frank Sharma
NORTH GRID 502 EAST GRID 08C3 EXPIRES 020284

Not to be filled in by driller (OEP USE ONLY)
APPROX. PERMIT NUMBER GAP
FORCE FS WRITE INITIALS IN BOX PERMIT No. HO-81-0216

SPECIAL CONDITIONS 8-63

No.	Feet	Δ	Arc.	Tan	Chd Bring	Dist
G	28.00	70° 51' 44"	30.77	17.68	5 60° 01' 40"	28.87
H	50.00	230° 14' 46"	225.74	—	5 29° 50' 12" E	81.85
I	383.35	10° 17' 34"	108.11	100.00	5 74° 52' 30" E	107.17
J	423.17	25° 13' 28"	188.84	94.81	5 82° 50' 42" E	188.05



Lot-17- 42,500
 18- 42,500
 19- 42,500
 20- 41,500

21- 41,000
 22- 41,000
 23- 42,500
 24- 41,000
 25- 39,500
 26- 60,000

WILLIAM J. CURTIS
 L.235 F.524

Rumpfetter Estates

P.O. Box 85

Dunfretten Estates
Lot 20

OFFICE OF
ENVIRONMENTAL
HEALTH

MAY 22 10 16 AM '87

RECEIVED
HOWARD COUNTY
HEALTH DEPT

C1 **4376** 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 **A 31733**

(THIS NUMBER IS TO BE PUNCHED
IN COLS. 3-6 ON ALL CARDS)

DATE RECEIVED

DATE WELL COMPLETED

DEPTH OF WELL

PERMIT NO.
FROM "PERMIT TO DRILL WELL"

8 [] [] [] [] [] [] 13

15 **080483** 20

22 **360** 26
(TO NEAREST FOOT)

28 **HO-81-0216** 37

OWNER Maultsby Fred
last name first name
STREET OR RFD Meadow Glenn TOWN Dayton
SUBDIVISION Dunfretten Estates SECTION - LOT 20

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	
Brown shale	0	20	
Sand	20	59	
Gray mica rock	59	260 ✓	

GROUTING RECORD
WELL HAS BEEN GROUTED (Circle appropriate box) **Y** **N**
TYPE OF GROUTING MATERIAL
CEMENT **CM** BENTONITE CLAY **BC**
NO. OF BAGS 15 NO. OF POUNDS 140
GALLONS OF WATER 90
DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. to 50 ft.
(enter 0 if from surface)

CASING RECORD
casing types insert appropriate code below
ST **CO**
STEEL CONCRETE
PL **OT**
PLASTIC OTHER

MAIN Nominal diameter Total depth
CASING top (main) casing of main casing
TYPE (nearest inch) (nearest foot)
ST 6 6.4
60 61 63 64 66 70

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

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

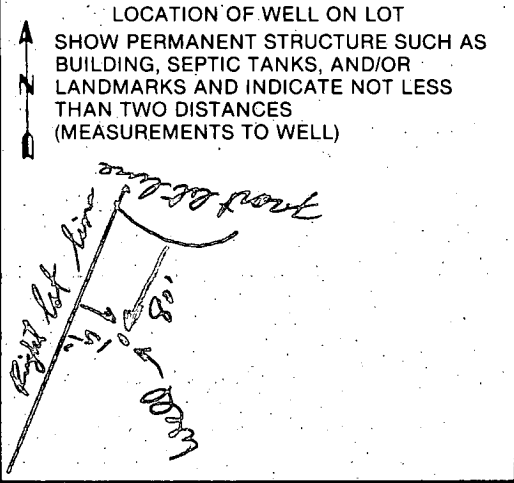
C2
DEPTH (nearest ft.)
EACH SCREEN
1 **HO** 63 260
8 9 11 15 17 21
2 [] [] [] [] [] []
23 24 26 30 32 36
3 [] [] [] [] [] []
38 39 41 45 47 51
SLOT SIZE 1 2 3
DIAMETER OF SCREEN [] [] [] (NEAREST INCH)
56 60

GRAVEL PACK from to
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 submersible
WATER LEVEL (distance from land surface)
BEFORE PUMPING 55
WHEN PUMPING 107
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:
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 (nearest foot)
- below }



- A** CIRCLE APPROPRIATE LETTER 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. 238

DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)

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

