

Ready now
12/3/79
a.m. please
brush up final
called in 11/30/79

12/3/79 Approved
File
P. 30342 C.B.S.

PERMIT

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH*

HOWARD COUNTY

ELLICOTT CITY

INDEXED

DISTRICT 5th.

DATE 11/6/79

Bob Orndorff

IS PERMITTED TO INSTALL ALTER

ADDRESS _____

PHONE 596-9394

SUBDIVISION Waller (MT. ORANGE ESTATES) ROAD Haviland Mill Road LOT Parcel 1

PROPERTY OWNER Thomas R. Hewitt

ADDRESS 7 Leighton Rd., Silver Springs, Md.

SPECIFICATIONS 3 Bedrooms

SEPTIC TANK CAPACITY 1000 GALLONS

DRAIN FIELD _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.

DEEP TRENCH _____ DEPTH _____ FEET, BOTTOM AREA _____ SQ. FT.

SEEPAGE PITS ABSORBENT SIDE-WALL AREA 336 SQ. FT. 10 in DRY WELL

INLET PIPE 3 FT. BELOW ORIGINAL GRADE. MAXIMUM DEPTH _____ FT. BELOW ORIGINAL GRADE

EFFECTIVE DEPTH AT _____ FT. BELOW ORIGINAL GRADE.

LOCATE DISPOSAL AREA _____ FT. FROM _____ LOT LINE AND _____ FT. FROM _____ LOT LINE AS SEEN WHEN FACING LOT FROM

Locate dry well any where on a line bisecting the property 320 feet from Haviland Mill Road: keeping dry well at least 100 feet from property lines.

TRENCH - 105 sq. ft. sidewall absorbant area in trench. Trench inlet to be 3 feet and 11 feet maximum depth and to 15 feet in length. Trench to run on contour, parallel to Haviland Mill Road.

NOTE: LEAVE 5 FEET EARTH BUFFER BETWEEN DRY WELL AND TRENCH.

PLANS APPROVED BY David J. O'Neill DATE 9/30/77

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 PLACING GRAVEL IN TRENCH.

NOTE: NO DRY WELL SHALL EXCEED 15 FOOT IN DIAMETER.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON.

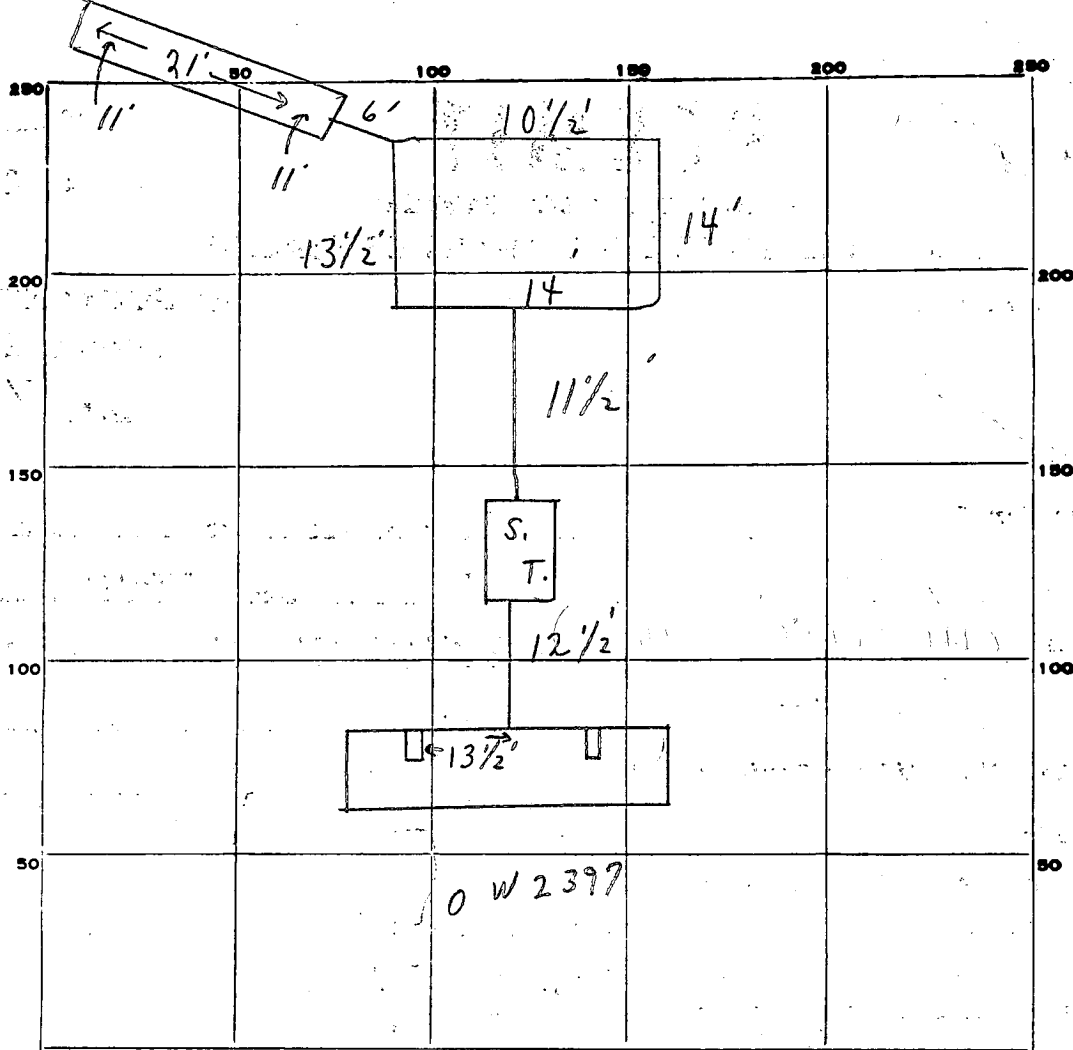
PERMIT VOID AFTER THREE YEARS.

NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL. STAND PIPES MUST BE 6 INCHES IN DIAMETER. CAST IRON, CONCRETE OR TERRA COTTA ACCEPTED.

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

A 26811

JR.



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

Haviland Mill Road

PERMIT CARD

S.T. / D.W.

SEPTIC TANK, LEVEL

CLEANOUTS

DISTRIBUTION BOX, LEVEL _____

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

GRAVEL DEPTH 8 IN. TOTAL LENGTH 21 FT. 16 8'

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA _____

SEEPAGE PITS, INSIDE DIAMETER 52 FT. DEPTH BELOW INLET 7 FT. 364'

ABSORBENT AREA 532 SQ. FT.

REMARKS

12/3/79 OK FOR STONE IN TRENCH.

12/3/79 SYSTEM COMPLETE. C.B. ✓

DATE SYSTEM APPROVED

12/3/79

INSPECTOR

C. B. Sheker

Thomas R. Hewett

owner

T.S. Cole 9/12/177
preparer by

Water
LOT NUMBER Parcel 1
Hav. Mill Rd.

Absorbant Area/bedroom 135

SEPTIC TANK 1000 gal 1250 gal 1500 gal
3 bdrms 4 bdrms 5 bdrms
336ft²
Abs. Area

✓ DRY WELL 3'
inlet 10'
Max. depth

Located

✓ TRENCH 3'
Inlet 11'
Max. depth # bedrooms Length Abs. Area
3 15 105ft²
4 40 280ft²

Locate DW anywhere on a line bisecting the property 320' from
Haviland Mill Rd; keeping DW at least 100' from property lines. &
Trench to run on contour, parallel to Haviland Mill Rd.

- If dry well and trench are used leave a 5' earth buffer between them.
- If septic tank is 3' or more below grade, use manhole type cleanout to grade.
- If more than one trench is used space them parallel, twice their depth apart.
- Call office for inspection of trench before placing stone in trench.
- All pipe from house to disposal area cast iron.
- Install standpipe (6" min.) on septic tank and dry well. Cast iron, concrete, terra cotta ok. Trench distribution lines may be clay, asbestos cement, orangeburg type, open joint cast iron or heavy duty plastic. (Commercial standard Cs228-61).

10 min. avg. pers.

135 ft²/bedroom req'd.

3 bedroom

APPLICATION

A 26811

P _____

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

DISTRICT 5th

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P. O. BOX 476, ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 465-5000, EXT. 356

DATE 8/26/77

9/16/77
9:30 a.m.

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 Thomas R. Hewitt

ADDRESS 7 Leighton Pl., Silver Spring Md PHONE 588 7373

PROPERTY LOCATION:

SUBDIVISION Waller LOT NO. Parcel One

ROAD AND DESCRIPTION Haviland Mill Rd

SIZE OF LOT 129' x 709' TYPE BLDG. Single Family R
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 Thomas R. Hewitt

APPROVED BY D. J. O'Neil (M.D.) FOR Dr. Wall + Term DATE 9/30/77
(KIND OF SYSTEM)

REJECTED BY _____ FOR _____ DATE _____
(KIND OF SYSTEM)

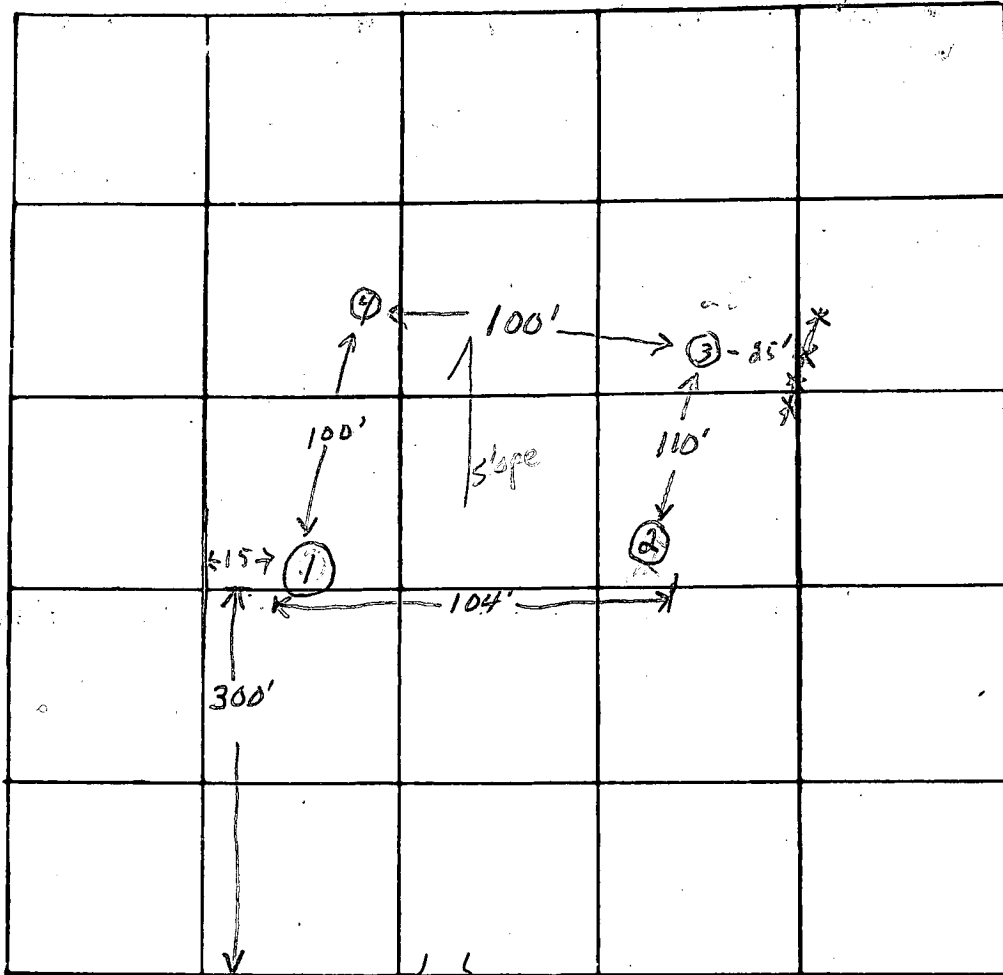
HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

BLDG. PERMIT SIGNED
AND RETURNED 12/27/78
Serial No. 37854

37854

THIS IS NOT A PERMIT



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE

Haviland Mill Rd.

- ① 0-3' Clay-Loam
3-12' Red Mica Loam
- ② 0-3' Clay-loam (78% soil)
3-13' Red Mica loam
- ③ same as ① & ②
- ④ 0-4' Clay-loam
4-5 1/2' Clay
5 1/2-12' Rotten Mica schist
12' Porous Rock

High Holes {

Low Hole

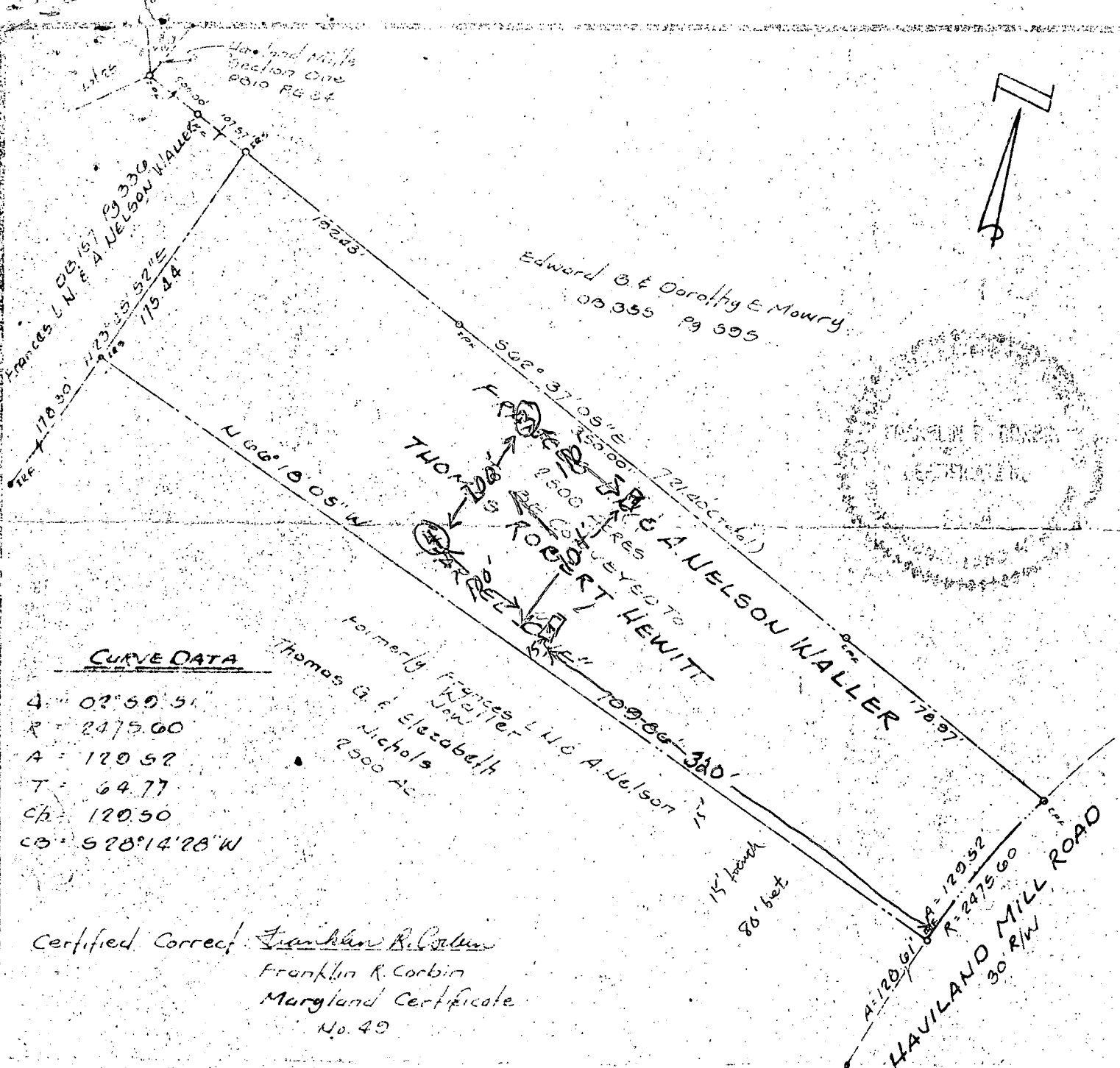
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9/16	1d	12'	0934	0942	0942	0950	8 min
	1s	4'	0933			0937	3 min (1/2 total)
	2d	13'	1045	1052	1052	1058	6 min
	2s	4'	1045	1053	1053	1104	11 min
	3d	12 1/2'	1052	1055	1055	1106	11 min
	3s	4'	1052	1055	1055	1058	3 min
	4d	12'	1116	1118	1118	1127	9 min
	4s	4'	1108	1114	1114	1139	25 min.

REMARKS _____

TYPE OF SOIL see above.

TESTED BY D.J. O'Neill & T.S. Ogle

ALSO PRESENT: Paul Thompson & Son
Mr. Hewitt - Owner



CURVE DATA

$\Delta = 02^{\circ} 59' 51''$
 $R = 2475.60$
 $A = 120.52$
 $T = 64.77$
 $Ch = 120.50$
 $CB = S 28^{\circ} 14' 28'' W$

Formerly Frances L.N. & A. Nelson Waller
 Thomas G. & Elizabeth Nichols
 2500 Acres

Certified Correct: Franklin R. Corbin
 Franklin R. Corbin
 Maryland Certificate
 No. 49

PLAT OF SURVEY
 SHOWING 2,500 ACRES OF LAND OF
FRANCES L.N. & A. NELSON WALLER
 TO BE CONVEYED TO
THOMAS ROBERT HEWITT
 FIFTH MAGISTERIAL DIST
 HOWARD COUNTY, MARYLAND
 Scale: 1"=100' DEC. 0, 1976

CORBIN SURVEYS, INC.
 SURVEYOR—LAND PLANNER
 511 Laurel Ave.
 Fredericksburg, Va. 22401

703-898-7698

STATE OF MARYLAND
WATER RESOURCES ADMINISTRATION
TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401
APPLICATION FOR PERMIT TO DRILL WELL

WRA PERMIT NUMBER
HO-73-247
 FILL IN THIS FORM COMPLETELY

DATE RECEIVED (WRA USE ONLY)
5/22/78
2:30 P.M.

OWNER: **Newitt T.A.**
 COL 15 LAST NAME FIRST NAME COL. 34
 STREET OR RFD: **#7 Beighton Place**
 COL 36 COL. 55
 POST OFFICE: **Blue Spring Md.**
 COL 57 COL. 76

B 1 CONTINUED DRILLER INFORMATION
 1 2 3 (SEQ. NO.) 6
 DATE: **10/12/77** LICENSE NUMBER: **42**
 77 80
 FIRST NAME: **L. S. Easterday** DRILLER LAST NAME
 SIGNATURE: **L. S. Easterday**

B 3 LOCATION OF WELL
 1 2 3 (SEQ. NO.) 6
 COUNTY: **Howard** (DO NOT ABBREVIATE COUNTY NAME) 21°
 SUBDIVISION: 23 42
 SECTION: 44 45 46 47 48 49 50
 NEAREST TOWN: **Brentlow** 52 71
 MILES FROM TOWN (ENTER 0 IF IN TOWN): **3** 73 76 77 78

B 2 WELL INFORMATION
 1 2 3 (SEQ. NO.) 6
 MAXIMUM PUMPING RATE (GALLONS PER MINUTE): **5** 8 12
 AVERAGE DAILY QUANTITY NEEDED (GALLONS PER DAY): **600** 14 20
 USE FOR WATER (CIRCLE APPROPRIATE BOX)
 D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY)
 F FARMING, AGRICULTURE, IRRIGATION
 I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT.
 M MUNICIPAL WATER SUPPLY } MUST HAVE STATE HEALTH DEPT. APPROVAL
 P PRIVATE WATER COMPANY }
 T TEST

B 4 DIRECTION FROM TOWN
 (CIRCLE APPROPRIATE BOX)
 1 2 3 (SEQ. NO.) 6
 N NORTH E EAST NE NORTHEAST SE SOUTHEAST
 S SOUTH W WEST NW NORTHWEST SW SOUTHWEST
 NEAR WHAT ROAD: **Harland Rd**
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX): N NORTH S SOUTH E EAST W WEST
 DISTANCE FROM ROAD (ENTER DISTANCE AND CIRCLE APPROPRIATE BOX): **34** 37 38 39

APPROXIMATE DEPTH OF WELL: **150** FEET
 24 28

APPROXIMATE DIAMETER OF WELL: **6** (NEAREST INCH)

METHOD OF DRILLING USED (CIRCLE APPROPRIATE METHOD)
 BORED (OR AUGERED) JETTED DRIVEN
 AIR-ROTARY AIR-PERCUSSION ROTARY (HYDRAULIC ROTARY)
 CABLE REVERSE-ROTARY DRIVE-POINT
 OTHER (DESCRIBE):

REPLACEMENT OR DEEPEINED 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 DEEPEIN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE)

NOT TO BE FILLED IN BY DRILLER (WRA USE ONLY)
 APPROPRIATION PERMIT NUMBER: **54** ENGINEER REVIEW DISTRICT NO.: **63**
 FORCE: WRITE INITIALS IN BOX CONDITIONS: A E N S G W Q C L U
 67 68 70 71 72 73 74 75 76 77 78 79

B 4 CONTINUED HEALTH DEPARTMENT APPROVAL
 1 2 3 (SEQ. NO.) 6
 STATE HEALTH (CIRCLE BOX): **Howard** COUNTY NAME COUNTY NO.: **N27076**
 MO. DAY YR.: **26 17 77**
 DATE APPROVED BY: **F. Leonard**
 43 48 Fred Bromholt Sanitarian

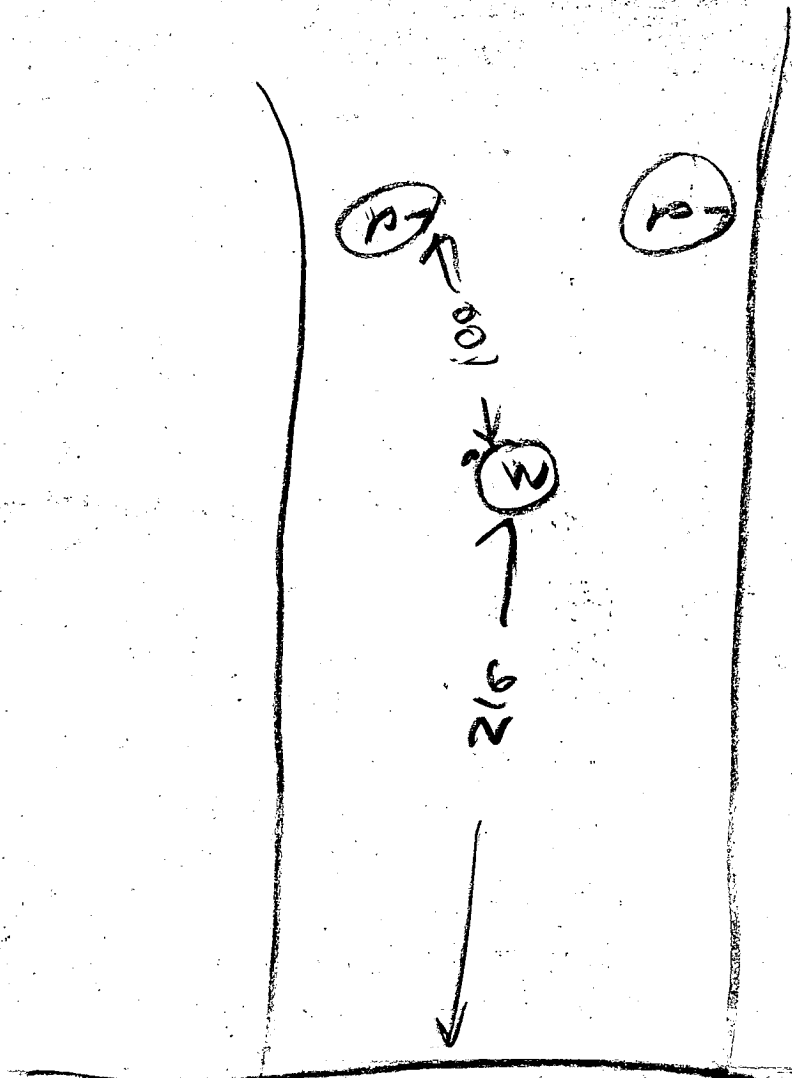
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS, ROADS AND STREAMS WITH NORTH IN THE DIRECTION OF THE ARROW, AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION OR STREAM CROSSING SHOWN ON THE SKETCH. ALSO SHOW, BY MEANS OF AN "X", THE WELL LOCATION IN THE BOX BELOW AND THE BOX NUMBER FROM THE WELL LOCATION MAP.

N ↑

Handwritten sketch area with notes:
 Howard
 Brentlow
 5/22/78
 WELL O.K.
 SEE OTHER SIDE RH.
 pt 650

BOX NUMBER: E **800**, N **490**
 NORTH COORDINATE: **49** 50 51 52 53 54 55
 EAST COORDINATE: **57** 58 59 60 61 62 63
 ELEVATION AT WELL HEAD (FEET): **0/0** 65 66 67 68 0/0 5/0

B 5 SPECIAL CONDITIONS 8-63 (WRA USE ONLY)
 1 2 3 (SEQ. NO.) 6



HAVILAND MILLER

22 MAY 78

- ① 59 FT CASING WITH 2 FT out of Ground
- ② 51 FT OPEN HOLE TO GROUT MEASURED WITH A STRING
- ③ 13 BAGS USED
- ④ WELL OK

RITODGES

C 1 **6374** SEQUENCE NO. (WRA USE ONLY)

15 21 3 (SEQ. NO.) 6
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS.)

DATE RECEIVED (WRA USE ONLY) 5/22/78 DATE WELL COMPLETED

8-13 15 20

STATE OF MARYLAND
WATER RESOURCES ADMINISTRATION
 TAWES STATE OFFICE BLDG., ANNAPOLIS, MD. 21401
WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 30 DAYS AFTER WELL COMPLETION

FILL IN THIS FORM COMPLETELY

COUNTY NUMBER

OWNER: HEWITT, T. A. (LAST NAME) FIRST NAME

STREET OR RFD: 7 LICHTON PLACE POST OFFICE: SILVER SPRING, MD.

DEPTH OF WELL: 405 (TO NEAREST FOOT) 22 26

PERMIT NO. FROM "PERMIT TO DRILL WELL": 41-73-2397 28 29 30 31 32 33 34 35 36 37

DRILLERS IDENTIFICATION NO.: 42

WELL LOG

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

DESCRIPTION (USE ADDITIONAL SHEETS IF NECESSARY)	FEET		CHECK IF WATER BEARING
	FROM	TO	
TOP SOIL	0	3	
SHALEY	3	15	
SHALE	15	45	
BROWN SLATE	45	135	
MICA	135	250	
BROWN SLATE	250	252	
MICA	252	405	

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) YES NO

TYPE OF GROUTING MATERIAL (CIRCLE BOX): M CEMENT B BENTONITE CLAY C

NO. OF BAGS: 13 NO. OF POUNDS: 1300

GALLONS OF WATER: 65

DEPTH OF GROUT SEAL (TO NEAREST FOOT): FROM 0 FT. TO 51 FT. (ENTER 0 IF FROM SURFACE)

CASING RECORD

CASING TYPES: S STEEL C CONCRETE P PLASTIC O OTHER

MAIN CASING TYPE: S T

NOMINAL DIAMETER TOP (MAIN) CASING (NEAREST INCH): 6

TOTAL DEPTH OF MAIN CASING (NEAREST FOOT): 59

OTHER CASING (IF USED)

EACH CASING	DIAMETER (INCH)		DEPTH (FEET)	
	FROM	TO	FROM	TO
1				
2				

SCREEN RECORD

SCREEN TYPE OR OPEN HOLE: S STEEL B BRASS OR BRONZE H OPEN HOLE P PLASTIC O OTHER

DEPTH (NEAREST WHOLE FOOT)

EACH SCREEN	FROM		TO	
	8	9	11	15
1	<u>10</u>	<u>57</u>	<u>405</u>	
2				
3				

SLOT SIZE 1, 2, 3

DIAMETER OF SCREEN: 56 (NEAREST INCH) FROM 60 TO

GRAVEL PACK: _____

IF WELL DRILLED WAS A FLOWING WELL CIRCLE BOX: 68 F

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

TELESCOPE CASING: T 70

LOG INDICATOR: 72

OTHER DATA AVAILABLE: W Q 74 75 76

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR): 2

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON): 1

METHOD USED TO MEASURE PUMPING RATE: Bucket

WATER LEVEL: (DISTANCE FROM LAND SURFACE)

BEFORE PUMPING: 40 (NEAREST FOOT) 17 20

WHEN PUMPING: 405 (NEAREST FOOT) 22 25

TYPE OF PUMP USED (CIRCLE APPROPRIATE BOX) (FOR PUMPING TEST): A AIR P PISTON T TURBINE C CENTRIFUGAL R ROTARY O OTHER (DESCRIBE BELOW) J JET S SUBMERSIBLE

PUMP INSTALLED

TYPE OF PUMP (WRITE APPROPRIATE LETTER IN BOX - SEE ABOVE: A, C, J, P, R, S, T, O): 29

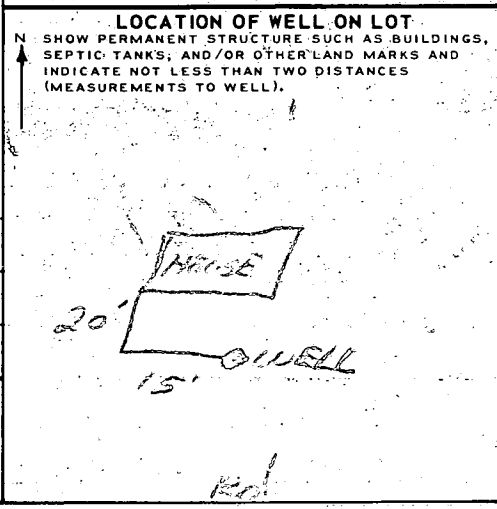
DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX): YES NO

CAPACITY: GALLONS PER MINUTE (TO NEAREST GALLON): 31 35

PUMP HORSE POWER: 37 41

PUMP COLUMN LENGTH (NEAREST FOOT): 43 47

CASING HEIGHT (CIRCLE APPROPRIATE BOX AND ENTER CASING HEIGHT): ABOVE BELOW LAND SURFACE (NEAREST FOOT): 2 49 50 51



CIRCLE APPROPRIATE BOXES

A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

E ELECTRIC LOG OBTAINED

P TEST WELL CONVERTED TO PRODUCTION WELL

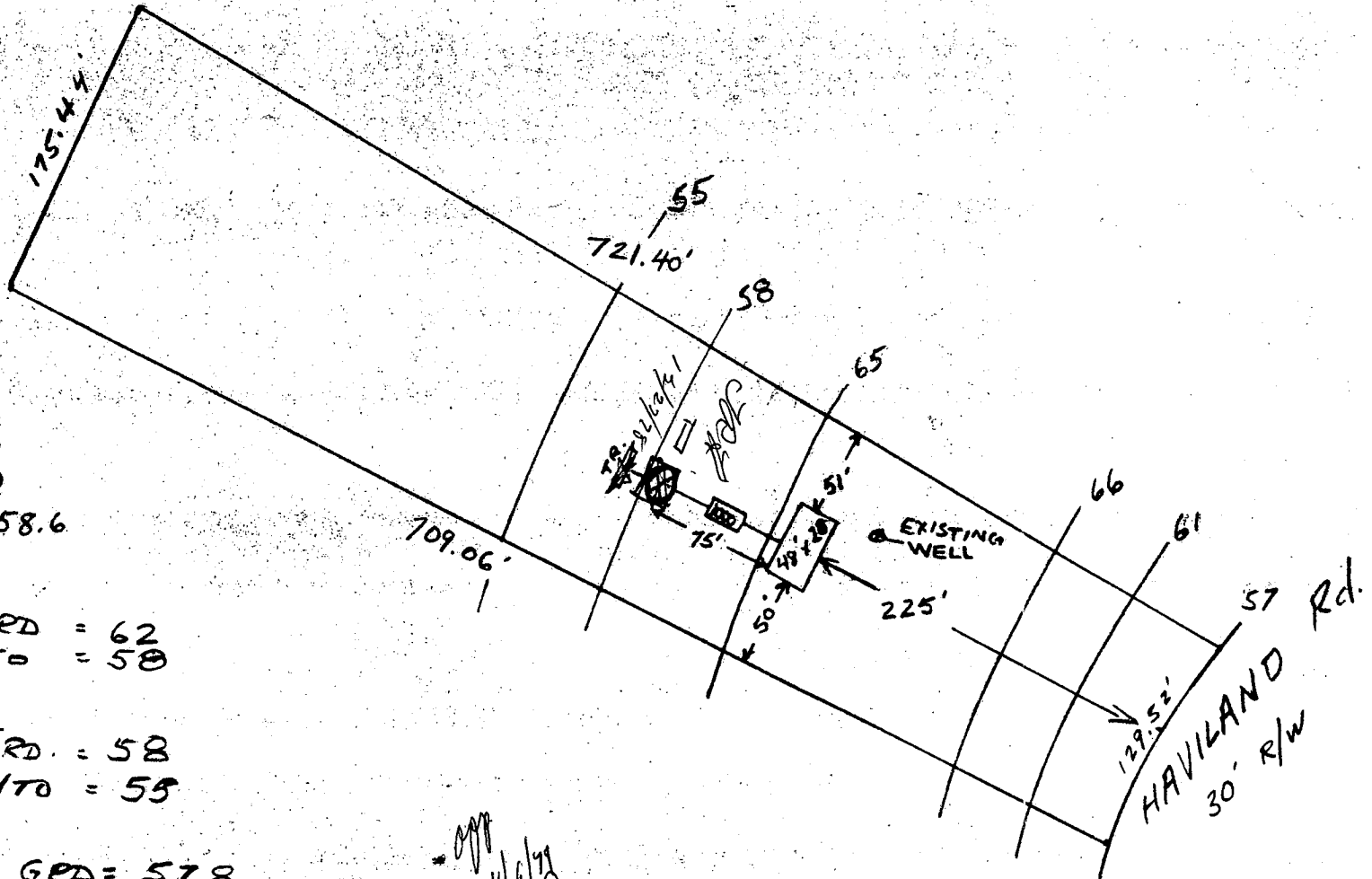
I HEREBY CERTIFY THAT I HAVE COMPLIED WITH ALL CONDITIONS STATED ON THE ABOVE-CAPTIONED "PERMIT TO DRILL WELL" AND THAT INFORMATION CONTAINED IN THIS REPORT IS TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF.

DRILLERS NAME: L. F. EASTERDAY

(PLEASE PRINT) L. F. Easterday

SIGNATURE: L. F. Easterday

HEWITT
 OLD LINE COST. CORP.
 YORKTOWN
 HO. CO.



ELEVATIONS

HOUSE:

1ST FL. = 68
 BASE = 60
 INVERT OUT = 58.6

SEPTIC TANK:

EXISTING GRD = 62
 INVERT INTO = 58

DRYWELL:

EXISTING GRD. = 58
 INVERT INTO = 55

TRENCH:

EXISTING GRD = 57.8
 INVERT INTO = 54.8

DIST. OF WELL TO
 DRYWELL = 130'

COP
 11/6/99

SCALE - 1" = 100'

James M. Fowler ^{Inst.}
Rockville Md. ^{Eng.}
762-2377