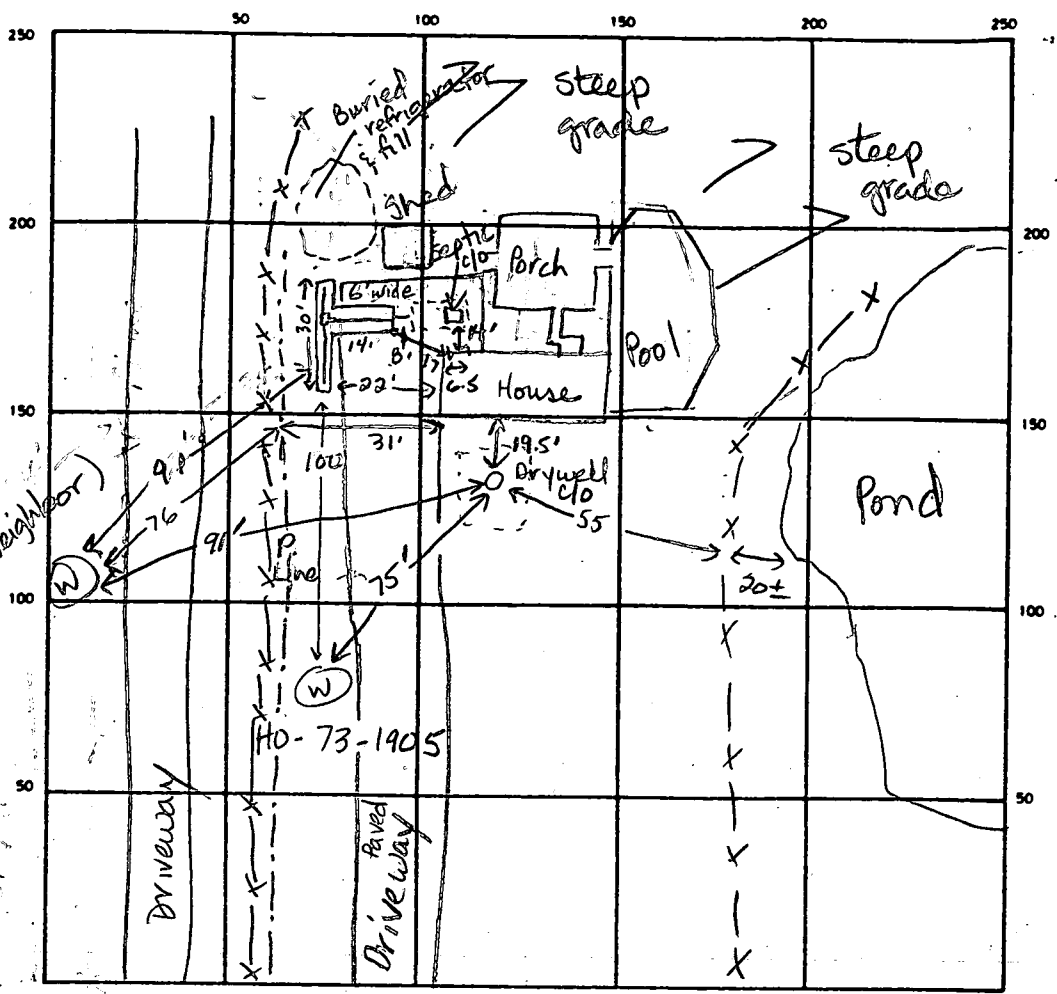


(A)
 0-1.5 Br sa s l
 1.5-10.5 Tan mica
 ssa l, little
 broken
 rock
 < 40%
 10.5 Bottom
 Dry

George & Rita
 Reveal (Neighbor)



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

Byefield Rd

SEPTIC TANK LEVEL Existing 1000+ CLEANOUTS 1 on septic tank

DISTRIBUTION BOX LEVEL N/A

DRAIN FIELD/TILE FIELD DEPTH 10.5 8.0 FT. TRENCH WIDTH 2' 6' FT. INLET DEPTH 35' 3.0 FT.

EFFECTIVE GRAVEL DEPTH 2.0 5.0 x 3 FT. TOTAL LENGTH 30' 14' (x3) FT.

NUMBER OF TRENCHES 2 ONE SIDEWALL/BOTTOM AREA 210 210 SQ. FT.

DRYWELL INSIDE DIAMETER Disconnected Existing FT. EFFECTIVE DEPTH BELOW INLET _____ FT.

ABSORBENT AREA 420 SQ. FT.

REMARKS 6-11-90 Trench to be no closer than 100 ft to well, 90 ft to neighbor's well acceptable (originally 80± to edge of drywell). Install 4 ft wide trench from s. tank to edge of driveway, 9-10' deep. JEN 6-11-90 OK to use 6 ft wide trench due to cave-in near tank. OK to fill with stone, pipe & paper and cover. JEN

DATE SYSTEM APPROVED 6-11-90 INSPECTOR Gene E. Nadeau

9/15/77
9/14/77

PERMIT

FILE
RM 9-16
P 26823
A 11011

SEWAGE DISPOSAL SYSTEM

MARYLAND STATE DEPARTMENT OF HEALTH

System installed but not approved.

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 5th

DATE 8/31/77

PM
Inspection
Please

INDEXED

Clyde Stouffer IS PERMITTED TO INSTALL ALTER

ADDRESS 309 Westside Drive, Gaithersburg, Md. PHONE 869-5109

A SEWAGE DISPOSAL-SYSTEM LOCATED AT _____

SUBDIVISION Hemlock Hills ROAD Byefield Drive LOT 27

PROPERTY OWNER Thomas Oyster

ADDRESS Wheaton, Md.

SPECIFICATIONS 3 bedrooms-1000 gal.
4 bedrooms-1250 gal.

BLDG. PERMIT SIGNED
AND RETURNED 10/13/72
Serial # 51195
Pool

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

SEEPAGE PITS _____ ABSORBENT SIDE-WALL AREA _____ SQ. FT.

SEPTIC TANK CAPACITY _____ GALLONS

FOR GARBAGE GRINDER, INCREASE DISPOSAL AREA 22% & TANK CAPACITY 50%.

OTHER DRY WELL-360 sq. ft. absorbent sidewall area to begin below the first 3 ft. of original grade. Maximum depth permitted for dry well is 11 ft. below original grade. Place the dry well 90 ft. from front lot line and 50 ft. from the 197.68 ft. portion of the right side line as seen when facing the lot from Byefield Road.

NOTE: ALL PIPE FROM HOUSE TO DISPOSAL AREA MUST BE CAST IRON. PERMIT VOID AFTER THREE YEARS.

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

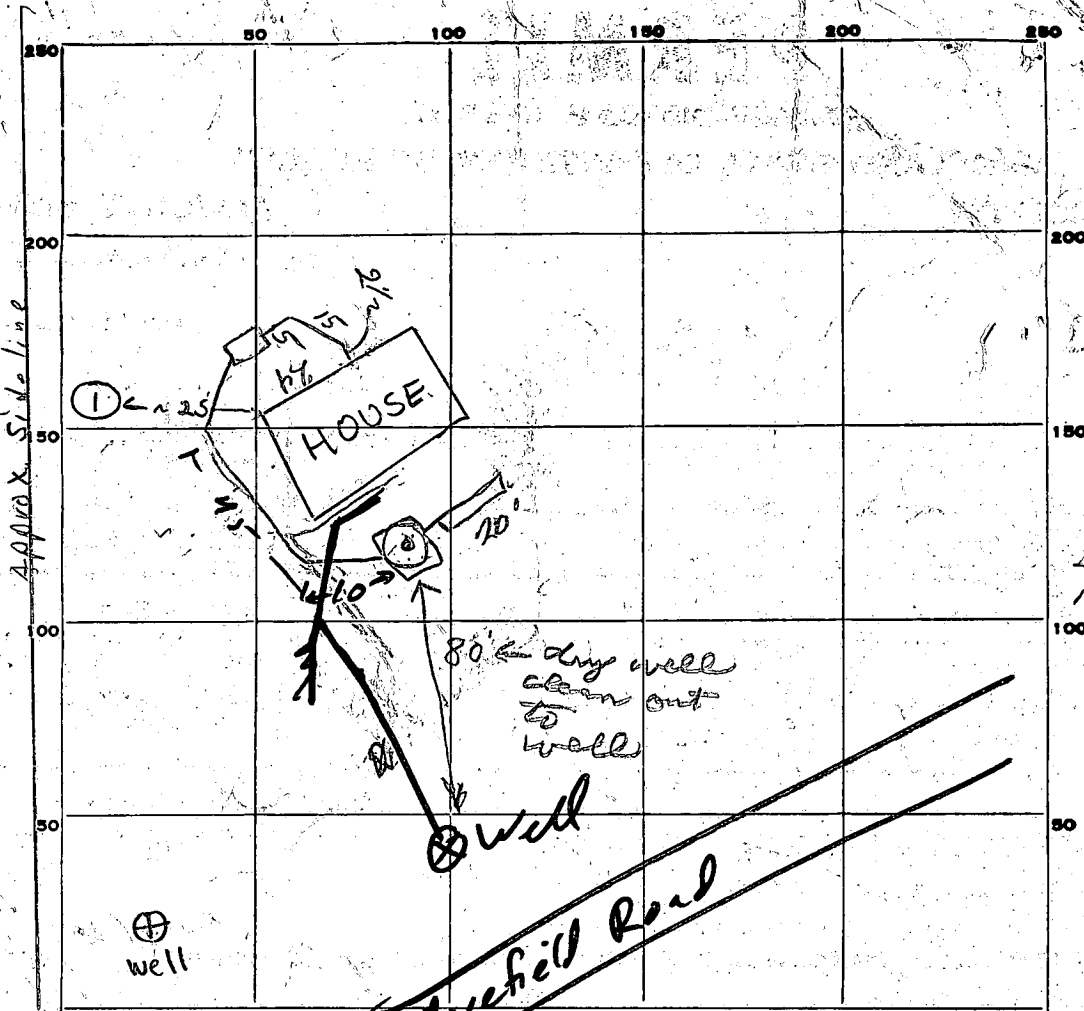
PLANS APPROVED BY Donald W. Monaghan DATE 2/24/77

FILL SEPTIC TANK AND DISTRIBUTION BOX WITH WATER BEFORE CALLING FOR AN INSPECTION. COVER NO WORK UNTIL INSPECTED AND APPROVED.

NEITHER THE HOWARD COUNTY COMMISSIONERS NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.

9/8/77 12x12 DW 20' from front of house of 10' diameter
max depth 11', run 25' diameter
4' deep 5' of stone below OK to use #2 stone.
9/13/77 T.C. Clyde Stouffer, re. electric & phone cables buried in area of proposed dry well; OK'd dry well to be 16' from house S.S.

11011



264
 93.5
 357.5
 2.31
 84
 319
 5.5

13
 11' deep, clayey to 2 1/2' layers of hard mica schist & sandy loam below.
 T.S.

INDICATE NORTH - BYE ADJOINING ROADWAY AS BASE LINE.

PERMIT CARD _____

SEPTIC TANK, LEVEL _____ CLEANOUTS _____

DISTRIBUTION BOX, LEVEL NA

TILE FIELD, DEPTH 12 FT. TRENCH WIDTH 2 FT.

GRAVEL DEPTH 5.5 IN. TOTAL LENGTH 76 FT.

NUMBER OF TRENCHES 1 TOTAL BOTTOM AREA _____

SEEPAGE PITS, INSIDE-DIAMETER 48" FT. DEPTH BELOW INLET 5.5 FT. DW depth 13

ABSORBENT AREA _____ SQ. FT.

REMARKS ADD 15 Sept 77 9/15/77 O.K. to cover pipe from house to beginning of septic tank. O.K. to cover ~15' of pipe near driveway, where water line comes in. Water line (plastic) will run through 4" p.c. pipe & be 1 1/2" or more above sewer pipe. F.S.

OK as per previous inspector's remarks
16 Sept 77
R. Mansfield

DATE SYSTEM APPROVED _____ INSPECTOR _____

Hendrick Hill Retest Needed

Lot 27

Resubdivision

Approved by TR.S.

May 14, 1969

2/16/77

1:30 P.M.

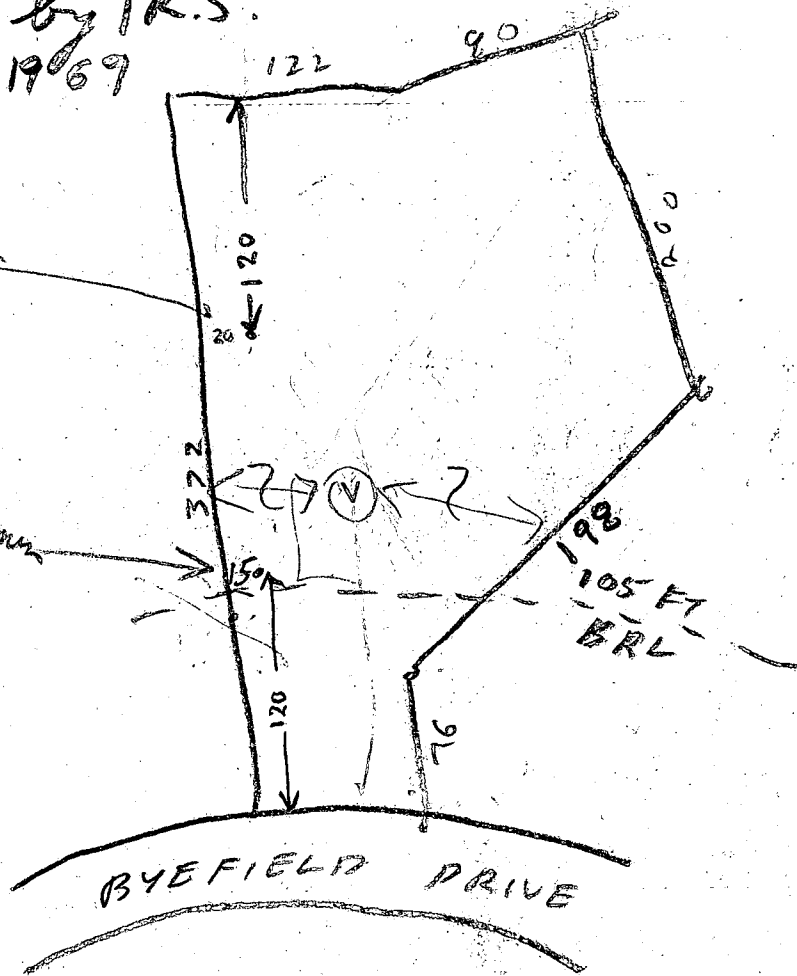
Visual hole

9)
3)

11 2
10

old Hole
air time 3 min
Depth 10 FT

old Hole
air time 3 min
Depth



Retest Needed - Need 1 hole located

30 FT to 50 ft from the 198 FT side of lot
(Old Holes dug too close to property line)

2/16/77 - VISUAL HOLE DUG 13 FT DEEP & DRY
 ALL SANDY. IT IS 40 FT FROM FRONT
 BUT WE DO NOT KNOW SIDE LINE MEASUREMENT
 KENNETH YATES IS OWNER. STEVE HOBBS
 BACKHOEMAN PRESENT. OWNER ABSENT
 I TOLD MR HOBBS TO CONTACT YATES.
 YATES MUST STAKE OFF LOT & VISUAL HOLE
 SO WE CAN SEE IF IT IS ON RIGHT LOT

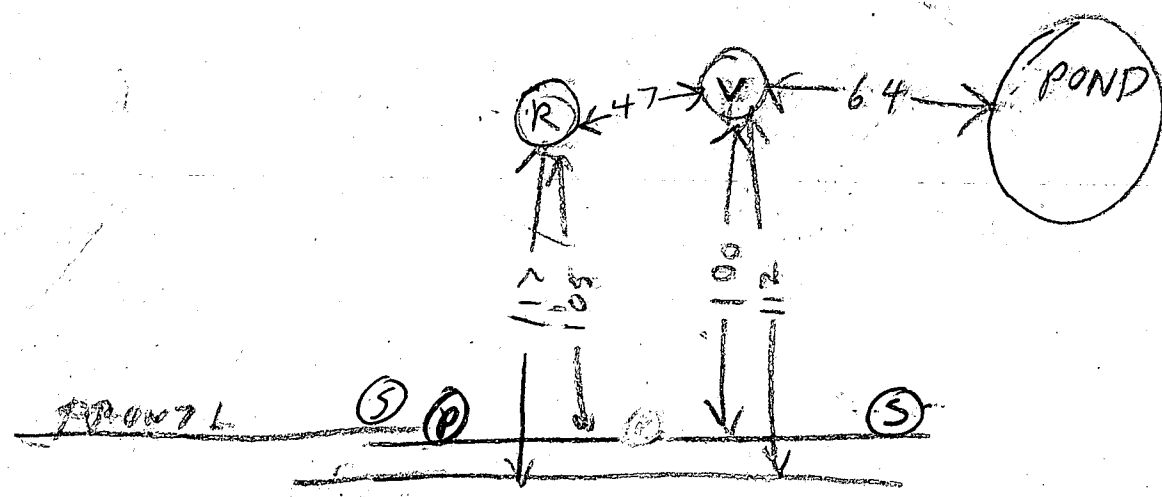
3/24/77 visual hole 90' from front lot line per Mr. Chava Engineer - field located.

2/25/77 Emergency down right side of the road

41
23
54

41
35
76
41
117

Ⓟ = PIPE IN GROUND NEXT TO TWO STAKES
 Ⓢ = STEEL FENCE STAKES



BYEFIELD DRIVE

2/25/77 - THE VISUAL HOLE Ⓟ IS 100 FT FROM FRONT LOT LINE. PIPE Ⓟ FOUND PROBABLY FRONT CORNER MARKER. THE VISUAL HOLE Ⓟ IS 64 FT FROM THE POND. NOT SURE OF SIDELINE BUT COULD CHECK FROM POND ON NEXT LOT. Ⓟ IS ROCK HOLE

2/3/72, WLEBDS 4/2/57 RW

APPLICATION

A 11011

SEWAGE DISPOSAL TESTING

P _____

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLICOTT CITY

DISTRICT 5

DATE 10/9/65

Septic Tank - 1000 gal.
Dry Well - 360 sq ft absorbent material over
to begin below the first 3 ft of orig grade. Max depth
permitted for DW is 11 ft below orig grade.

Please dry well 90 ft from front lot line and 50 ft from the
147.68' portion of the right side line as seen when facing lot
from Byefield Rd.

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TESTS IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Thomas G. Oanter

ADDRESS 2419 Roder Drive PHONE 744 9615

PROPERTY LOCATION: _____

SUBDIVISION HEMLOCK HILLS LOT NO. 27 (Was part of Lot 11 & Lot 10 on testing plat drawn Oct 65)

ROAD AND DESCRIPTION Byefield Drive

OCCUPANT _____ BLDG. PERMIT SIGNED AND RETURNED 4/21/78

PERSON TO CONSTRUCT SYSTEM _____ serial no: 31280

ADDRESS _____ PHONE _____

SIZE OF LOT _____ TYPE BLDG. 3 or 4 NUMBER OF BEDROOMS

IF NOT SINGLE RESIDENCE DESCRIBE _____

SIGNATURE OF APPLICANT [S] R. W. Rubin

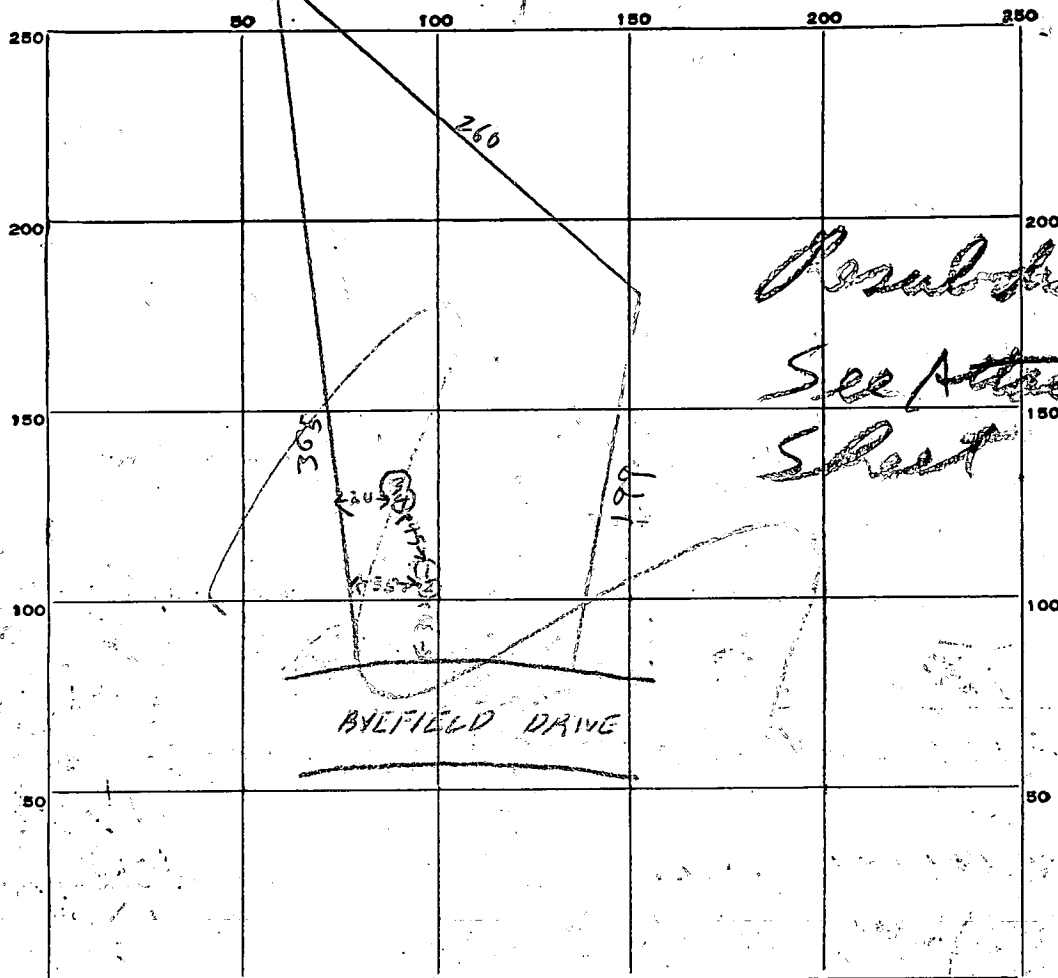
APPROVED BY [Signature] FOR Trunk DATE 2-24-77
(KIND OF SYSTEM)

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

HOLD PENDING FURTHER TESTS [Signature] DATE 10 FEB 66

REASONS FOR REJECTION OR HOLDING 10 FEB 66 Must Hold for Final Plat and Special Plans showing elevation & location of house house sewer tank & Dry Well 10/14/68 Final Plat OK Hold for [Signature]

THIS IS NOT A PERMIT



INDICATE NORTH. — NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/10/65	1	10	239	240	240	242	3
10/10/65	2	5	239	240	240	242	2
10/10/65	3	10	249	249	249	250	1
10/10/65	4	5	251	254	254	300	6

Only most important holes shown on this sheet. To find other holes consult application for Lot 10. Lots 11 as laid out on the original plat drawn Oct 65.

3 MIN
AU
FOR
LOT SITE
SYSTEM
SIZE
MAX DEPTH
IS 5 FT

SOIL AUGER FINDING

TESTED BY

REMARKS

Lot 10

APPLICATION

A 11011

SEWAGE DISPOSAL TESTING

P _____

MARYLAND STATE DEPARTMENT OF HEALTH

HOWARD COUNTY

ELLCOTT CITY

3 BEDROOMS

4 BEDROOMS

DISTRICT 5

DATE 10/9/65

750 Gallon Tank

1,000 Gall Tank

Dry Well - 300 sq ft sidewall area below the inlet

Dry Well - 400 sq ft sidewall area below inlet

Place the dry well 30 ft to 50 ft from the front lot line and 20 ft to 30 ft from the left side of the lot as seen

TO: THE COUNTY HEALTH OFFICER
ELLCOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TESTS IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Thomas G. Quarter Bayfield Drive

ADDRESS 2419 Redo Drive PHONE 744 9615

PROPERTY LOCATION:

SUBDIVISION HEMLOCK HILLS

LOT NO. 27 (Non part of Lot 11 & Lot 100 - including plot shown on 0265)

ROAD AND DESCRIPTION Bayfield Drive

OCCUPANT _____ PHONE _____

PERSON TO CONSTRUCT SYSTEM _____

ADDRESS _____ PHONE _____

SIZE OF LOT _____ TYPE BLDG. 3 or 4 NUMBER OF BEDROOMS _____

IF NOT SINGLE RESIDENCE DESCRIBE _____

SIGNATURE OF APPLICANT T. S. R. W. D. [Signature]

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

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

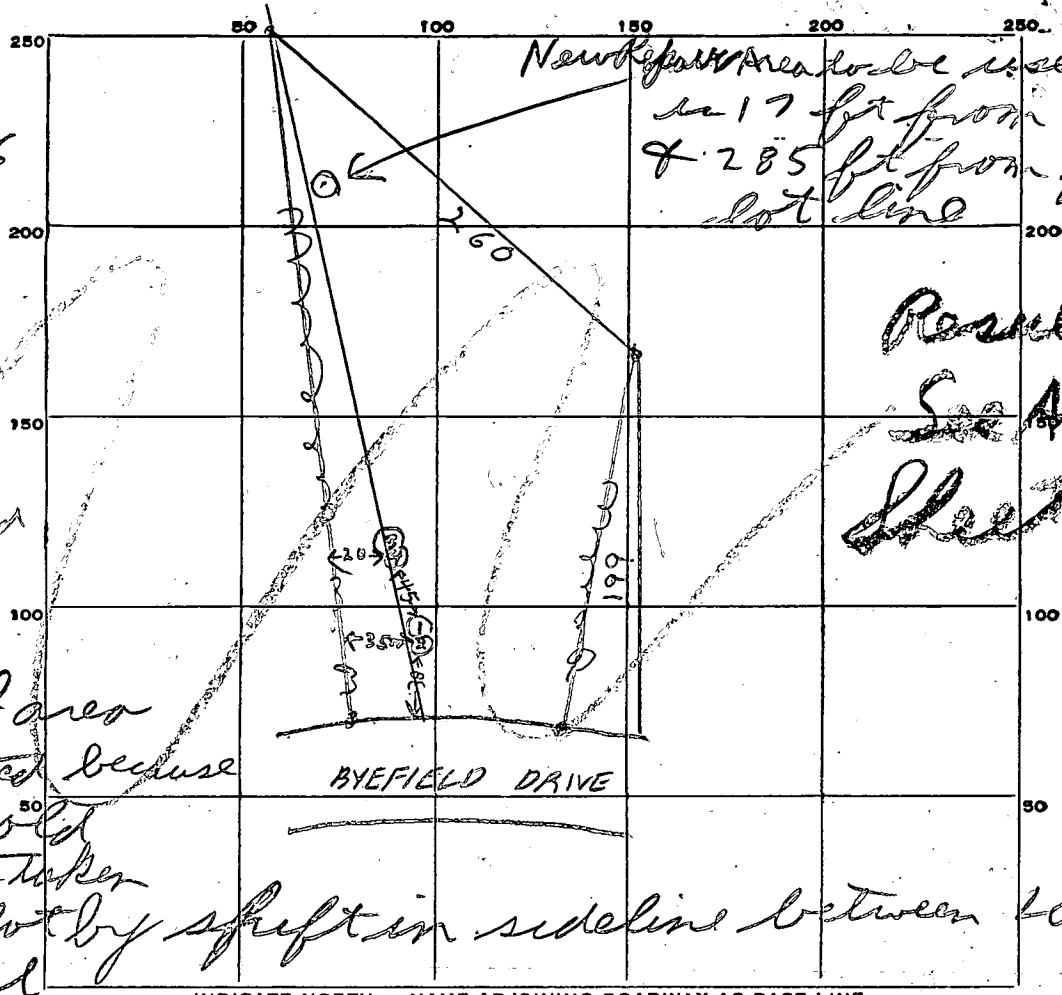
HOLD PENDING FURTHER TESTS Nil DATE 10/14/65

REASONS FOR REJECTION OR HOLDING Nil 10/14/65. Must hold for (1) Final Plat and (2) Special Plans showing elevation & location of house house sewer tank & Dry Well 10/14/65. Final Plat O.K. Hold for Plans

THIS IS NOT A PERMIT

NOTE

On 5 Oct 66 signed Preliminary Plat was changed to agree with Final Plat to be signed. A new sewage disposal area was located because one of the old areas was taken off this lot by shift in sideline between Lot 98/0 on final



INDICATE NORTH. - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/18/65	1	10	238	240	240	243	3
10/19/65	2	5	239	240	240	242	2
10/19/65	3	10	248	249	249	250	1
10/19/65	4	5	251	254	254	300	6
10/14/66	5	10 1/2	1054	1054 1/2	1054 1/2	1056	1 1/2
10/14/66	6	4	1055	1055 1/2	1055 1/2	1050	1/2

3 MIN AV FOR LOT SIZE TO SYSTEM SIZE MAX DEPTH IS 5 FT

On by most important holes shown on this sheet. To find other holes consult application for Lots 108 Lots 11 as layed out on the original testing plat drawn Oct 65

SOIL AUGER FINDING

TESTED BY B. Hodges

REMARKS

LOT 10

STATE OF MARYLAND WATER RESOURCES ADMINISTRATION

A 11011

WRA PERMIT NUMBER

HO-73-1965

TAWES STATE OFFICE BLDG., ANNAPOLIS, MARYLAND 21401

APPLICATION FOR PERMIT TO DRILL WELL

FILL IN THIS FORM COMPLETELY

DATE RECEIVED (WRA USE ONLY) 5/4/77 9:30 a.m.

OWNER: K.W. Waters Builders, Inc. COL 15 LAST NAME: Waters COL 34 FIRST NAME: K. COL 36 STREET OR RFD: 8364 Reservoir Rd. COL 55 POST OFFICE: Fulton Md. 20759 COL 57 COL 76

DRILLER INFORMATION: DATE: Mar 2 1977 LICENSE NUMBER: 338 77 80 DRILLER: Joseph T. Wayne

LOCATION OF WELL: COUNTY: Howard 8 (DO NOT ABBREVIATE COUNTY NAME) 21 SUBDIVISION: Hemlock Hill 23 42 SECTION: 44 LOT: 27 48 50 NEAREST TOWN: Highland 52 71 MILES FROM TOWN: 1/2 73 76 77 78

WELL INFORMATION: MAXIMUM PUMPING RATE: 5 8 12 AVERAGE DAILY QUANTITY NEEDED: 750 14 20 USE FOR WATER: D HOME (SINGLE OR DOUBLE HOUSEHOLD UNIT ONLY) F FARMING, AGRICULTURE, IRRIGATION I INDUSTRIAL, COMMERCIAL, STATE AND FEDERAL GOVERNMENT M MUNICIPAL WATER SUPPLY P PRIVATE WATER COMPANY T TEST MUST HAVE STATE HEALTH DEPT. APPROVAL

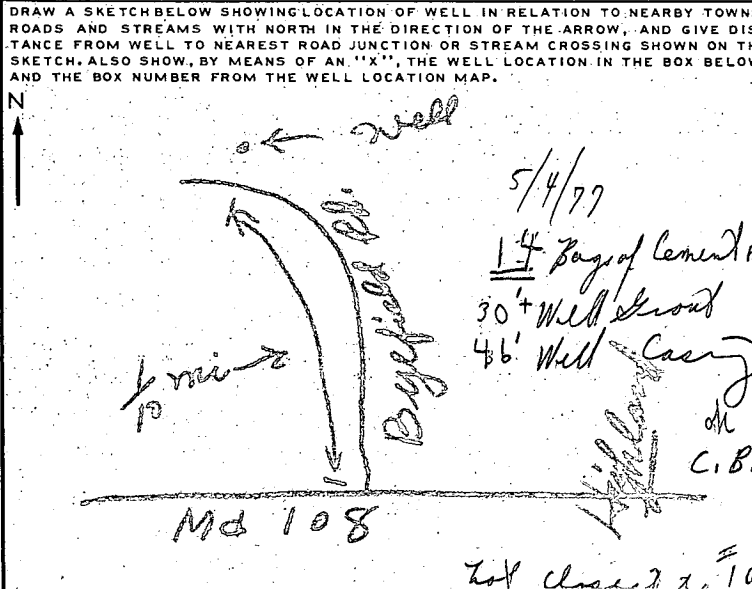
DIRECTION FROM TOWN: NEAR WHAT ROAD: Byfield Rd 8 11 ON WHICH SIDE OF ROAD: N 32 32 32 32 DISTANCE FROM ROAD: 30 34 37 38 39

APPROXIMATE DEPTH OF WELL: 140 24 28 FEET APPROXIMATE DIAMETER OF WELL: 6 (NEAREST INCH)

METHOD OF DRILLING USED: BORED (OR AUGERED) JETTED DRIVEN 30-37 AIR-ROTARY AIR-PERCUSSION ROTARY (HYDRAULIC ROTARY) CABLE REVERSE-ROTARY DRIVE-POINT OTHER (DESCRIBE)

REPLACEMENT OR DEEPENED WELLS: 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 DEEPEN AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPENED (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



BOX NUMBER: E 810 N 480 NORTH COORDINATE: 484000 50 51 52 53 54 55 EAST COORDINATE: 08100000 57 58 59 60 61 62 63 ELEVATION AT WELL HEAD (FEET): 65 66 67 68

HEALTH DEPARTMENT APPROVAL: COUNTY NAME: Howard COUNTY NO.: W25304 DATE: 5 7 77 APPROVED BY: Donald W. Longman, Sanitarian

SPECIAL CONDITIONS 8-63 (WRA USE ONLY)

C 1 **3288** SEQUENCE NO. (WRA USE ONLY)

1 2 3 (SEQ. NO.) 6
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 5-6 ON ALL CARDS)

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

DATE RECEIVED (WRA USE ONLY)

DATE WELL COMPLETED May 3, 1977

DEPTH OF WELL 125

PERMIT NO. FROM "PERMIT TO DRILL WELL" 40-15-1705

22 (TO NEAREST FOOT) 26

28 29 30 31 32 33 34 35 36 37

DRILLERS IDENTIFICATION NO. 238

OWNER 7101a LAST NAME R - K. FIRST NAME Inspector Mc

STREET OR RFD 4364 Reservoir Rd. POST OFFICE

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	
<u>Sand</u>	<u>0</u>	<u>40</u>	
<u>fine mica sand</u>	<u>40</u>	<u>125</u>	

GROUTING RECORD

WELL HAS BEEN GROUTED (CIRCLE APPROPRIATE BOX) Y N

TYPE OF GROUTING MATERIAL (CIRCLE BOX)

CEMENT M BENTONITE CLAY BC

NO. OF BAGS 14 NO. OF POUNDS 1316

GALLONS OF WATER 34

DEPTH OF GROUT SEAL (TO NEAREST FOOT)

FROM 0 FT. TO 40 FT.

(ENTER 0 IF FROM SURFACE)

CASING RECORD

INSERT APPROPRIATE CODE BELOW

STEEL S T CONCRETE C O

PLASTIC P L OTHER O T

MAIN CASING TYPE S T

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

TOTAL DEPTH OF MAIN CASING (NEAREST FOOT) 46

C 3 (SEQ. NO.) 6

PUMPING TEST

HOURS PUMPED (TO NEAREST HOUR) 2

PUMPING RATE (GALLONS PER MINUTE TO NEAREST GALLON) 10

METHOD USED TO MEASURE PUMPING RATE air

WATER LEVEL: (DISTANCE FROM LAND SURFACE)

BEFORE PUMPING 35 (NEAREST FOOT)

WHEN PUMPING 5 (NEAREST FOOT)

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

OTHER CASING (IF USED)

DIAMETER (INCH) FROM TO

SCREEN TYPE OR OPEN HOLE

INSERT APPROPRIATE CODE BELOW

STEEL S T BRASS B R OPEN HOLE H O

PLASTIC P L OTHER O T

PUMP INSTALLED

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

DRILLER WILL INSTALL PUMP (CIRCLE APPROPRIATE BOX) Y N

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 } LAND SURFACE

- BELOW } 2 (NEAREST FOOT)

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 Joseph L. Mann

(PLEASE PRINT) Joseph L. Mann

SIGNATURE Joseph L. Mann

C 2 (SEQ. NO.) 6

DEPTH (NEAREST WHOLE FOOT)

FROM 44 TO 125

EACH SCREEN

DIAMETER OF SCREEN 56 60 (NEAREST INCH)

FROM TO

GRAVEL PACK

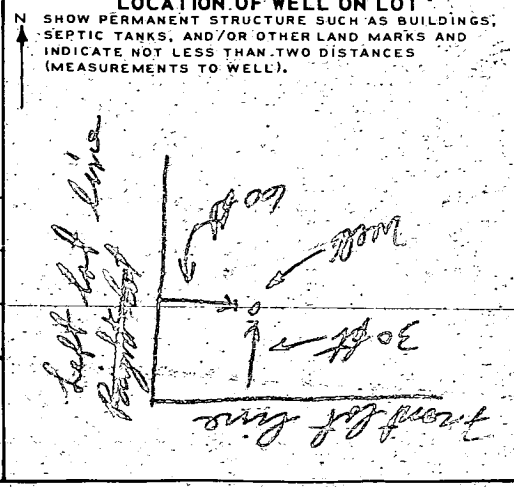
IF WELL DRILLED WAS A FLOWING WELL, CIRCLE BOX F

WRA USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.)

TELESCOPE CASING 70 72

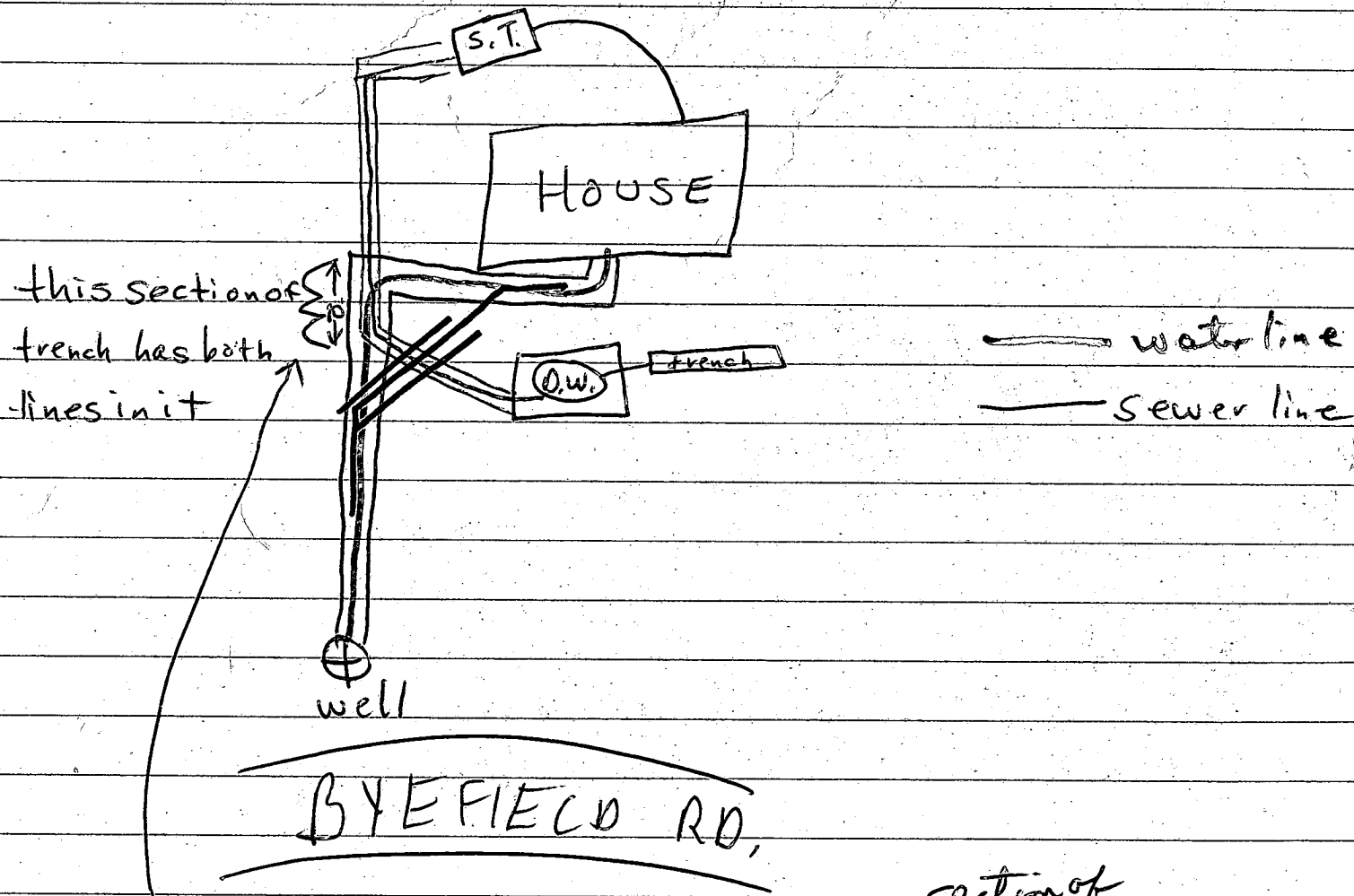
LOG INDICATOR 74 75 76

OTHER DATA AVAILABLE



9/16/77 a.m. PLEASE

9/15/77 Visited lot. water line from well to house is being installed as well as cast iron pipe between tank and drywell. Water line (plastic) will be placed in same trench as part of sewer pipe as shown below:



O.K'd to cover ~15' of sewer line in this ^{section of} trench so that earth may be compacted before placing a 4" ϕ c.i. pipe in this section of trench to encase the plastic water supply line. Fall on line between septic tank and drywell is $\frac{1}{8}$ "/ft. I instructed C. Stouffer to bring the level of gravel in the drywell up to the top of the invert where it enters gravel, even though the concrete drywell top is ~7' below ^{gravel} OVER

This would bring the gravel to within 5-6' of the ground surface (original grade) & there would be enough sidewall absorbant area for a 3 B.R. house

F. Skinner

9/15/77

N84°50'47"E 122.32' N72°34'27"E 90.17'

N16°27'33"W 200.46'

N07°25'48"W 372.06'

N46°04'34"E 197.68'

N04°16'16"W 75.91'

R=375.00' L=79.99'

17 15/2

BYEFIELD ROAD

Prop. 1000 Gal. Septic Tank Ex. Gr. 99.9
Inv. In. 97.88 Inv. Out. 97.55
105' Building
Restriction Line
Prop. Dry Well Ex. Gr. & Fin. Gr. 99.7
Inv. 96.70

PLANS OK R/H 3/27/77
PLAN TO ACCOMPANY APPLICATION
FOR BUILDING PERMIT

LOT 27
HEMLOCK
HILL

CROVO & ASSOCIATES, INC.

8669 OAK ROAD
BALTIMORE, MARYLAND 21234

5TH ELECTION DISTRICT HOWARD CO., MD.
SCALE: 1"=40' MARCH 2, 1977

