

6/14/94
3:00

04-351053

PERMIT

SEWAGE DISPOSAL SYSTEM

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

P 50030A

A 43256

DISTRICT 4th

DATE 5/13/94

DATE SYSTEM APPROVED 8/5/94

INSPECTOR M. Rifkin

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~461-9933~~ 313-2640

INDEXED

South Carroll Backhoe, Inc. IS PERMITTED TO INSTALL ALTER

ADDRESS 4410 Salem Bottom Road, Westminster, Maryland 21157 PHONE 875-4197

SUBDIVISION Cattail Creek Country Club LOT 16 ROAD 3627 Broadleaf Court

PROPERTY OWNER Steven Grebow

ADDRESS _____

SEPTIC TANK CAPACITY 1250 GALLONS

NUMBER OF BEDROOMS 4

180 SQUARE FEET PER BEDROOM

LINEAR FEET OF TRENCH REQUIRED 240

TRENCHES - Trench to be 3 feet wide. Inlet 3½ feet below original grade. Bottom maximum depth 5½ feet below original grade. Effective area begins at 3½ feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place distribution box 160 feet from the well and 115 feet from the right lot line. Run trenches on contour to right side of property. MAINTAIN 100 FEET FROM THE WELL TO SEPTIC TANK.

NOTES - No trench to exceed 100 feet in length. Provide 6" - 8" diameter cleanout and cap to grade or above on septic tank. OK MR 3/9/94

PLANS APPROVED BY Mark Rifkin DATE 12/29/93

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: CLEANOUT REQUIRED EVERY 70 FEET OF SEWER LINE AND/OR AT 90° SWEEPS IN LINES FROM HOUSE TO DRAIN FIELDS, 90° ELBOWS NOT ACCEPTABLE.

NOTE: ALL PARTS OF SEPTIC SYSTEMS (I.E. TANK, DISTRIBUTION BOX TRENCHES) TO BE 100 FEET FROM WELL (UNLESS OTHERWISE SPECIFICALLY AUTHORIZED)

NOTE: IF DEEP TRENCH(ES) ARE USED CALL FOR INSPECTION BEFORE AND AFTER PLACING GRAVEL IN TRENCH(ES)

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 35/40 PVC OR ABS

PERMIT VOID AFTER TWO YEARS

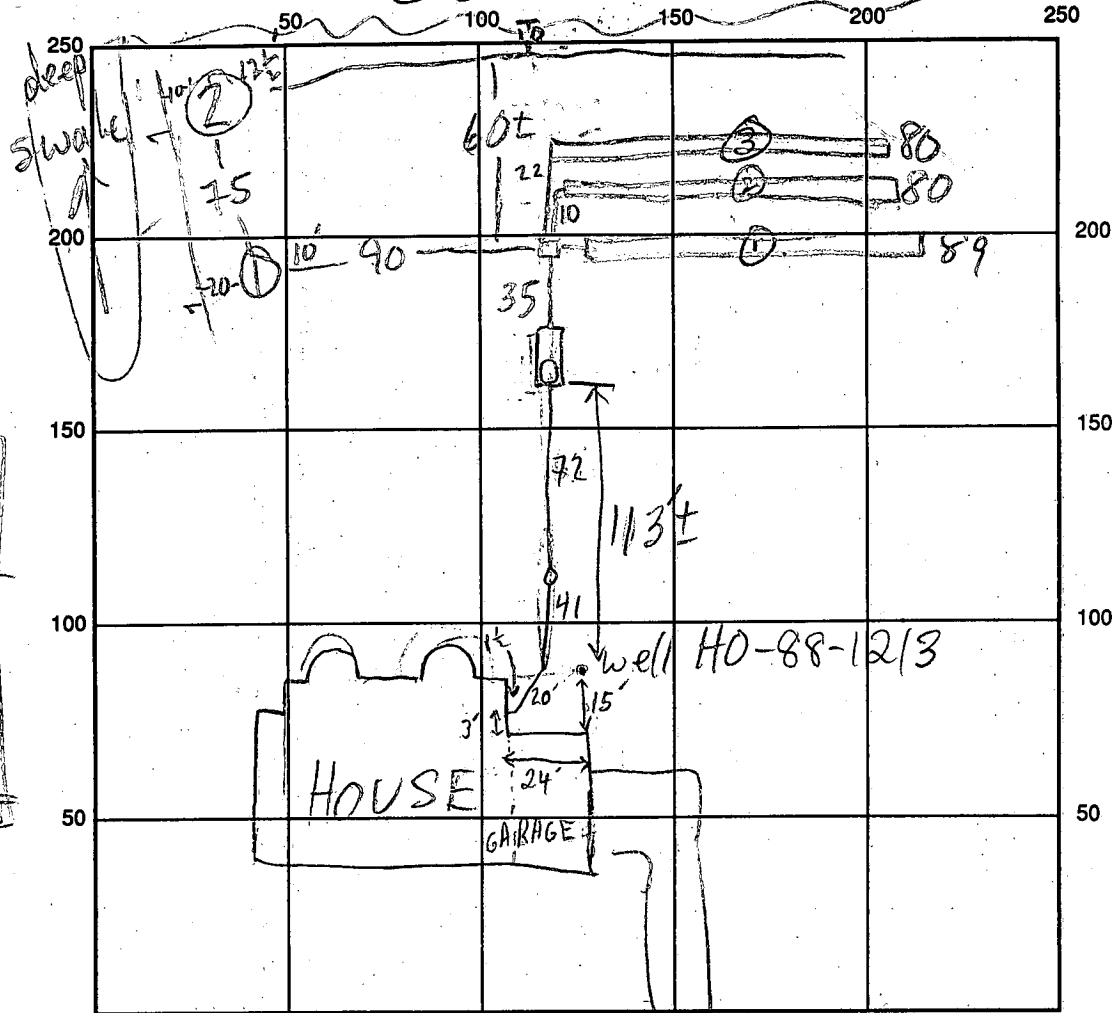
NOTE: INSTALL STAND PIPE ON SEPTIC TANK AND DRY WELL STAND PIPES MUST BE 6 INCHES IN DIAMETER CAST IRON. CONCRETE OR TERRA COTTA OR PVA OR ABS ACCEPTED. IF TOP OF SEPTIC TANK IS DEEPER THAN 3 FEET. MANHOLE TO GRADE REQUIRED.

NOTE: DISTRIBUTION BOXES MUST HAVE BAFFLES

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

A
43256

GOLF COURSE



① ②
brn org
SI CI
m
tan org
SA m
15-20%
FROGS
HARD BOT
10-
12 1/2

BROADLEAF CT INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

SEPTIC TANK LEVEL 1500 GAL - OK CLEANOUTS INLINE - OK, MANHOLE @ S.T. - OK
 DISTRIBUTION BOX LEVEL OK - BAFFLE IN
 DRAIN FIELD/TITLE DEPTH 1 1/2 | 1 3/4
6 | 5.5 | 5.5 FT. TRENCH WIDTH 3 FT. INLET DEPTH 4 | 3.5 | 3.5 FT.
 EFFECTIVE GRAVEL DEPTH 2 FT. TOTAL LENGTH ① 89 ② 80 ③ 80 FT.
 NUMBER OF TRENCHES 3 ONE SIDEWALL/BOTTOM AREA ① 267 ② 240 ③ 240 SQ. FT.
 DRYWALL INSIDE DIAMETER FT. EFFECTIVE DEPTH BELOW INLET FT.
 ABSORBENT AREA 7.47 SQ. FT.

REMARKS: 6/14/94 OK TO COVER HOUSE TO S.T. BUT LOWER HALF OF SDA OCCUPIED BY GOLF COURSE GRADING (RIDGES & SWALES); WELL ALSO <30' TO HOUSE; STOP WORK TIL FURTHER NOTICE MR 8/5/94 #1 2' PERC HOLES OK; STOPWORK ORDER RESCINDED - CONTINUE MR 8/5/94 #2 OK TO COVER TRENCH ①. STONE ② - CONTINUE MR 8/5/94 #3 OK TO COVER ALL MR

DATE SYSTEM APPROVED 8/5/94 INSPECTOR M. Ripkin

APPLICATION

PERCOLATION TESTING

A 43256

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT 4

DATE 12/9/88

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

STEVEN GREBON

PROPERTY OWNER Egwood Farm Inc c/o Land Design + Development

ADDRESS 8307 Main St PHONE 461-4600

PROSPECTIVE BUYER N/A

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Clark Summit Valley LOT NO. 19 16 final New #15

ROAD AND DESCRIPTION Roxbury + Dorsey Mill (3627 Broadleaf Court)

TAX MAP 21 PARCEL # 6

SIZE OF LOT - 3.25 AC. TYPE BLDG. SFD-4Brm
(SINGLE FAMILY DWELLING OR COMMERCIAL)

BLDG. PERMITS SIGNED
AND RETURNED 12/28/88
Serial # 51968

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.

Mal Grebon
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING _____

HD-216

THIS IS NOT A PERMIT

A # 43256

New # 15

Tree Branch

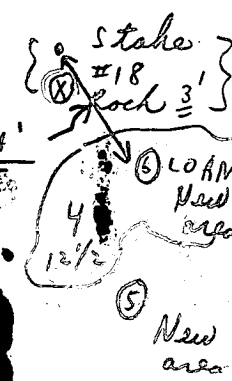
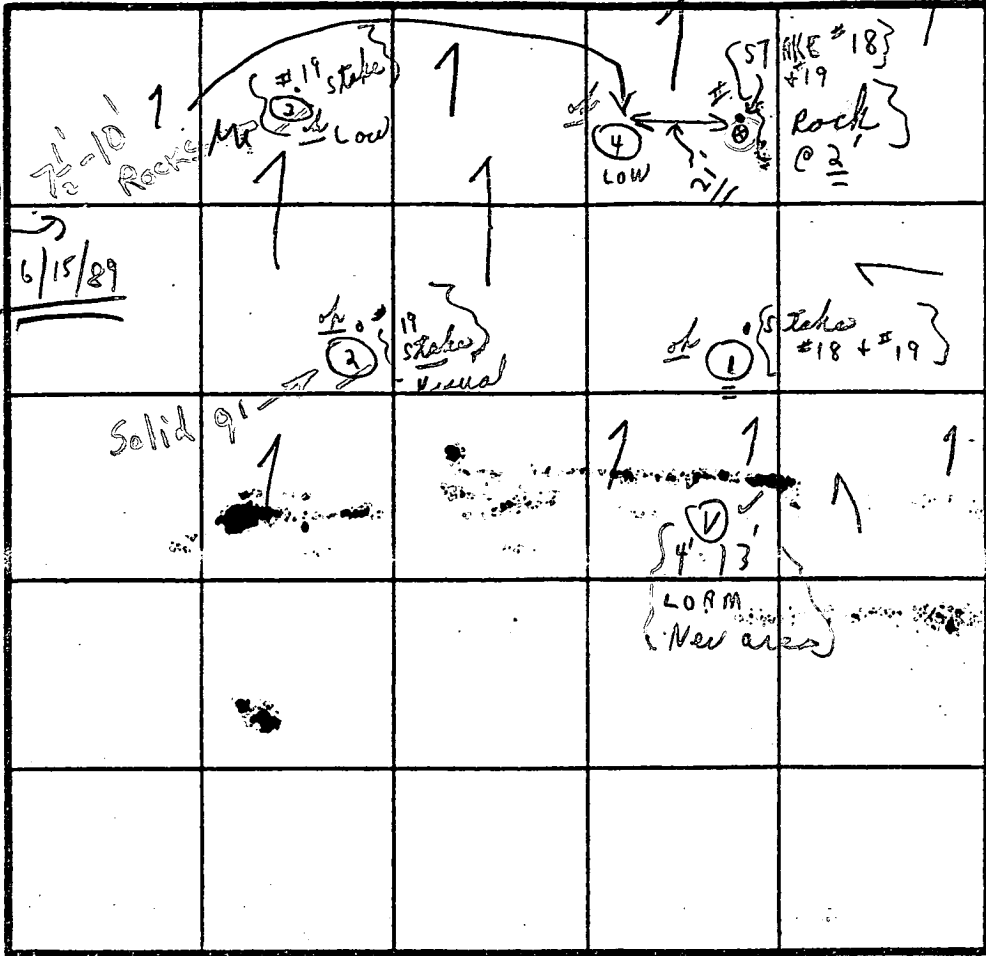
Trees

Trees

19
18

SOIL PROFILE

SNOW
CLAY
LOAM
IV
GOOD
WEEKS
Tul
NOTED



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

only 5' minutes average

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
1/10/89	①	5'	10:20	10:22	10:23	10:26	3 min
		8'	10:21	10:23	10:23	10:26	3 min
		11 1/2'			LOAM	to bottom	
		4 1/2'		3 1/2'	LOAM		
	(20%± small rocks) ②	9'			Visual		
		3'	10:28	10:30	10:30	10:35	5 min
	③ ④	11 1/2'			LOAM	ALL THE WAY	
	Good loam	3'	10:28	10:31	10:31	10:35	4 min
	④ ④	10'			Loam	to 7 1/2'	
	New area	4'	12:23	12:25	12:25	12:29	4 min
		7'	12:23	12:25	12:25	12:28	3 min
	Poured Water ⑥	4'	12:30	12:32	12:32	12:37	5 min
		12 1/2'					

(20%± small rocks) ②

Solid 9'

Good loam

New area

P.M.

1'-4' clay
4'-12 1/2' clay

1/10/89 Tests in open

use a shallow system on low sides

REMARKS

TYPE OF SOIL

TESTED BY

noted

C.B.D.

ALSO PRESENT

2nd test 1/10/89
#3 log 1/10/89
Rohrer
Chick's Law
Katterman

7 1/2' = 10' Rocks

12' deep

high +



Property Profiles, Inc.

ENVIRONMENTAL CONSULTANTS

June 30, 1994

Howard County Department of Health
Ellicott City, Maryland, 21043
Attn: Mr. Mark Rifkin

RE: Placement of Well at 3627 Broadleaf Court in Glenwood, MD

Dear Mark,

Property Profiles, Inc. has prepared this letter to address your concerns on the placement of the well at the above referenced address. We understand that a regulation in the early 1980's indicates that the well be set-back thirty feet (30') from the home for health and safety concerns, but feel these concerns were vague and likely were established to keep the well a sufficient distance away from heating oil tanks.

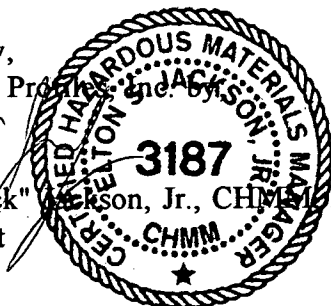
The well in question is twenty-four feet (24') from the foundation of the home, fifteen feet (15') from the garage. This placement, although not to code, poses no additional threat to the quality of the water in the well in comparison to any other area nearby on the property. No additional safeguards would be accomplished by requiring the well to be moved. The house will be heated by propane (a lighter than air gas at STP conditions) housed in tanks over two hundred feet (>200') away. In addition, Mr. Grebow intends to treat the groundwater with an R/O and carbon treatment filter. Mr. Grebow is very aware of groundwater contamination issues and based on his knowledge has taken prudent measures to safeguard his families water supply and health.

Although sympathetic to the rigors that your office faces protecting the well being of the public, based on my years of experience in the environmental field as a Certified Hazardous Materials Manager (CHMM) and as a Registered Environmental Assessor (REA), I can safely state that the placement of the current well should be allowed and granted an exception. I welcome any questions that you may have on this matter and have enclosed or corporate literature with resumes. My client and I thank you for your cooperation in this matter.

Sincerely,

Property Profiles, Inc. by

E.S. "Jack" Jackson, Jr., CHMM/REA
President





HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

July 25, 1994

Mr. E.S. Jackson
President, Property Profiles, Inc.
7201 Standard Drive
Hanover, MD 21076

RE: Cattail Creek Country Club
Lot 16
3627 Broadleaf Court

Dear Mr. Jackson,

This is in response to your letter of June 30, 1994 about the well location at the above-referenced property.

The evidence cited in your letter is not sufficient to allow an exception to the thirty-foot separation requirement. There is no indication in the well construction regulation that heating oil tanks were a basis for this requirement. Additionally, filtration may provide protection to the owner's water supply, but since wells can serve as conduits to transport pollutants down to groundwater supplies, there would also be some contamination potential here as well.

The criteria, as specifically stated in paragraph COMAR 26.04.04.05B, are:
"B: Criteria for Approval:

(1) A proposed well construction shall be in accordance with the applicable Master Water and Sewer Plan, promulgated in accordance with Environment Article, Title 9, Subtitle 5, Annotated Code of Maryland.

(2) Siting.

(a) A proposed well location shall satisfy the following minimum distance requirements:

(i) 10 feet from a property line, to allow access to the well without encroaching on adjoining properties.

(ii) 15 feet from a road or dedicated road right-of-way.

(iii) 30 feet from a building foundation, for the purpose of protecting the well from a foundation or soil treated to control pests, insects, or vermin. A distance less than 30 feet may be considered in replacement of a well serving a lot which does not meet minimum lot ownership as defined in COMAR 26.04.03."

E.S. Jackson

7/25/94

Therefore, the position of this office remains that the well should be abandoned and replaced by a well in an approvable location. If there are any other objections that the owner or builder would care to raise, the recommended course of action would be for them to request a conference in this office.

Very Truly Yours, c

Mark E. Rifkin

Mark E. Rifkin, R.S.
Sanitarian

MR

cc: Mr. Steven Grebow
Altieri Homes

AS DISCUSSED WITH GREBOW,
WELL LOCATION OK
PENDING
SUCCESSFUL REPLIC
& CONFERENCE **BLDR.**

7/28/94
CW



Faxed
to
Schissler
6/15/94

HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer
June 15, 1994

TO: South Carroll Backhoe
FROM: Mark Rifkin *MR*
Bureau of Environmental Health
RE: Wellington, Lot 16
3627 Broadleaf Court

As discussed in the field on June 14, 1994, a "Stop Work Order" is issued for the septic system on the above referenced property (septic permit P50030-A).

The lower half of the septic area is within the physical limits of the existing golf course as defined by an earthen berm and boundary markers. This portion of the septic area has been substantially damaged by grading for this golf course.

Please have the builder or property owner contact this office to resolve this problem. When a solution has been established, the "Stop Work Order" will be rescinded.

MR

RESOLVED
NEW SEPTIC 116A ESTABLISHED
9/9/94
CW...

faxed
8/24/94
AM.



HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd, M.D., County Health Officer

August 23, 1994

Mr. Steven Grebow
6987 Newberry Drive
Columbia, MD 21044

RE: Well Location and Revised Sewage Area
Cattail Creek Country Club
Lot 16
3627 Broadleaf Court

Dear Mr. Grebow,

Percolation testing conducted for revision of the existing sewage easement on August 5, 1994 on the above referenced property indicated limited satisfactory soil conditions. Although some shallow bedrock was encountered in one location tested, sufficient satisfactory sewage area was found to establish a revised sewage easement; septic system installation was also completed. A copy of the percolation test results and septic system installation record is enclosed.

Further review is contingent upon submission of a percolation certification plat showing actual locations and elevations of all excavated test holes, the existing house location, existing well location, previously established sewage easement, and proposed sewage easement. A signature block for use by the Howard County Health Officer is also required.

Once the sewage easement revision is complete, we will then be able to make a final determination on the status of the well location relative to the house. A conference with the builder will be a prerequisite for final consideration of the well location.

If you have any questions regarding this matter, please call me at 313-2640.

Very Truly Yours,
Mark E. Rifkin
Mark E. Rifkin
Sanitarian
Water & Sewerage Program

RESOLVED,
WELL LOCATION
ACCEPTED
WITHOUT CHOOSING
TO GO THRU A
FORMAL ORDER
TO ABANDON OR
REQUEST FOR WAIVER
TO SITE ~~REQ~~ REQMT.

MR
cc: Craig Williams

10/23/94
C. Williams

B 1 **2192** SEQUENCE NO. (DP USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
 PERMIT TO DRILL WELL
 please print or type

STATE PERMIT NUMBER
40-88-1213
 fill in this form completely

Date Received (APA) **1/7/89**
 OWNER INFORMATION
Sycamore Valley Part
 15 Last Name 34 Owner First Name
8307 Main Street
 36 Street or RFD 55
Ellicott City Md 21403
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
Howard
 8 COUNTY 21
Sycamore Valley
 23 SUBDIVISION 42
 SECTION **1** LOT **16**
 44 46 48 50
Glennelg
 52 NEAREST TOWN 71
 MILES FROM TOWN (enter 0 if in town) **5** M I
 73 76 77 78

DRILLER INFORMATION
Frank Delph
 77 License No. **453**
Frank Delph Well Drillers Inc
 Firm Name
18234 Penn Shop Rd. Mt Airy Md
 Address
Frank Delph 10/23/89
 Signature Date

B 4 DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

 NORTH N
 WEST W
 SOUTH S
 EAST E

Brookleaf Ct
 11 NEAR WHAT ROAD 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

 34 **175** 37
 DISTANCE FROM ROAD
 ENTER FT OR MI **2** **+**
 38 39

B 2 WELL INFORMATION
 APPROX. PUMPING RATE (GAL. PER MIN.) **5**
 8 12
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **500**
 14 20

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)

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
HOWARD COUNTY NAME **A# 43256** COUNTY NO.
 STATE SIGNATURE _____ INSERT S
 DATE ISSUED **10/22/89** 41
Charles Bryan Street 48 CO SIGNATURE EXP. DATE
 NORTH GRID **523000** EAST GRID **0790000**
 50 55 57 63

APPROXIMATE DEPTH OF WELL **200** FEET
 24 28

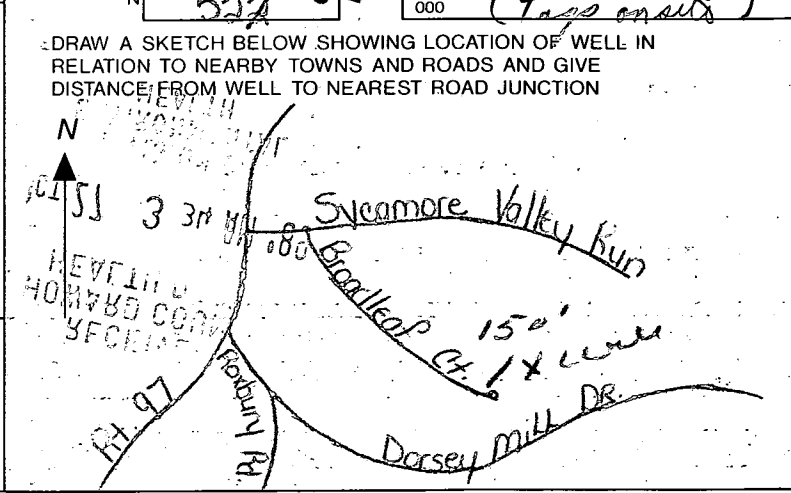
APPROXIMATE DIAMETER OF WELL **6** INCH
 NEAREST INCH

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 30 AIR-ROtary AIR-PERcussion ROTARY (Hydraulic Rotary):
 37 CABLE REVerse-ROtary Drive-POINT
 other _____

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X
 SOURCES OF DRILLING WATER
 1. Well
 2.
 3.
 WRITE THE BOX NUMBER FROM THE MAP HERE

 5/11/90 / Well used Friday -> Duller # 5 Bags of cement 21' Well casing 18' Open - ground (C.B.D. Taps on site)

REPLACEMENT OR DEEPEMED 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 DEEPEM AN EXISTING WELL
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) _____ 41 _____ 52



Not to be filled in by driller (OEP USE ONLY)
 APPROP. PERMIT NUMBER _____ GAP _____
 54 63
 FORCE **CV** WRITE INITIALS IN BOX PERMIT No. **40-88-1213**
 67 68 70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

C1 1349 SEQUENCE NO. (DENV 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 A = 43256

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED 05/19/90

Depth of Well 225 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-88-1213

OWNER SYCAMORE VALLEY PARTNERSHIP STREET OR RFD ROAD LEAF COURT TOWN GREENGL SUBDIVISION SYCAMORE VALLEY SECTION 1 LOT 16

WELL LOG table with columns: DESCRIPTION, FEET FROM, FEET TO, Check if water bearing. Includes entries for Topsoil, Shale, MIKA, Sandstone, etc.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL CEMENT, BENTONITE CLAY, NO. OF BAGS 5, NO. OF POUNDS 500, GALLONS OF WATER 30, DEPTH OF GROUT SEAL 14 ft.

CASING RECORD: MAIN CASING TYPE PL, Nominal diameter 1 inch, Total depth of main casing 51 feet.

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

SCREEN RECORD: screen type or open hole, insert appropriate code below. Includes codes ST, BR, HO, PL, OT.

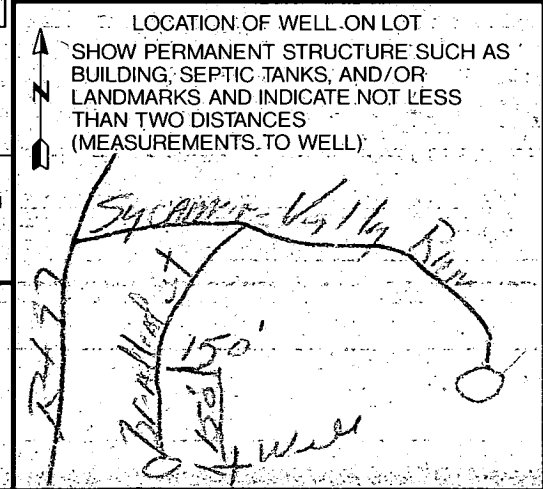
DEPTH (nearest ft.) table with rows for EACH CASING and SCREEN. Includes slot size and diameter of screen information.

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

OEP USE ONLY (NOT TO BE FILLED IN BY DRILLER) with fields for TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST: HOURS PUMPED 6, PUMPING RATE 3 gal. per min., METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL 25, WHEN PUMPING 135, TYPE OF PUMP USED S (submersible).

PUMP INSTALLED: DRILLER WILL INSTALL PUMP YES NO, TYPE OF PUMP INSTALLED, CAPACITY: GALLONS PER MINUTE, PUMP HORSE POWER, PUMP COLUMN LENGTH, CASING HEIGHT.



CIRCLE APPROPRIATE LETTER: A A WELL WAS ABANDONED AND SEALED... E ELECTRIC LOG OBTAINED... P TEST WELL CONVERTED TO PRODUCTION... WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"

DRILLERS IDENT. NO. 453, DRILLERS SIGNATURE, SITE SUPERVISOR (Sign of driller or journeyman responsible for sitework if different from permittee).

WPF
8/15/94
Hold see below
No inspection

No inspection
Final
8/15/94
C.B.P.

HOWARD COUNTY HEALTH DEPARTMENT
Bureau of Environmental Health
3525-H Ellicott Mills Drive
Ellicott City, MD 21043
461-9933

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation
Replacement

Receipt # _____
Date 8/15/94

Name of Installer ROBT. L. FEEZEN CO.

Telephone 781-4655

License Number 2122
Certified Well Pump Installer Well Driller Registered Plumber

Name of Property Owner ALTIKI HOWES Telephone 795-1405
Subdivision CATHIL CREEK Lot # 16 Well Tag # HO-88-1213
Site Address BROAD LEAF CT.

- Pump**
- Type
 - Deep well jet
 - Shallow well jet
 - Submersible
 - Make _____
 - Model # _____
 - Capacity 5 GPM
 - Pump exceeds well capacity Yes No
 - If Yes, is low pressure cutoff switch installed? Yes No
 - What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors Cable guards Other

- Motor**
- Horsepower 1/2
 - RPM 3450
 - Voltage
 - 110
 - 220

- Pitless Adapter**
- Make HAERVAND
 - Model # PT803
 - Depth 42"

- Tank Wx 250**
- Capacity 44 GMS.
 - Pressure relief valve? YES

- Piping**
- Type 1"
 - Size 7014
 - NSF and/or BOCA Code approved
 - Depth of supply line 42"

- Well data**
- Depth 305 ft.
 - Yield 3 GPM
 - Static water level _____ ft.
 - Will water supply be disinfected by installer? YES

I understand that it is my responsibility to notify the Howard County Health Department when the installation is ready for inspection (otherwise this permit is null and void).

All information given above is true to the best of my knowledge.

Signature of Applicant Ruby J. Poole

Date: 8/28/94

Note: A sticker indicating approval/status of the installation will be placed on the well casing at the time of the inspection.

- HD-215 Note ① Paper + mud covered well area.
② Water well close to house.
③ Hold C.B.P.

GENERAL NOTES

1. SEPTIC BASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT NO.
2. PROPOSED 1250 GALLON SEPTIC TANK.
3. A. FIRST FLOOR ELEVATION: 509.86
B. BASEMENT ELEVATION: 499.66
C. INVERT OF SEPTIC SYSTEM AT INLET: 497.16
D. INVERT IN AT SEPTIC TANK: 494.20
E. INVERT OUT AT SEPTIC TANK: 493.20
F. PROPOSED GRADE OVER SEPTIC TANK: 498.5
G. INVERT AT DISTRIBUTION BOX: 493.0
H. EXISTING GROUND OVER DISTRIBUTION BOX: 496.50
4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
5. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGIN ANY CONSTRUCTION.

MANHOLE REQ'D @ S.T.
IF MORE THAN 3' FINISHED COV
REVISED BY PLAN OK
BP 51968 4BR MR
12/29/93

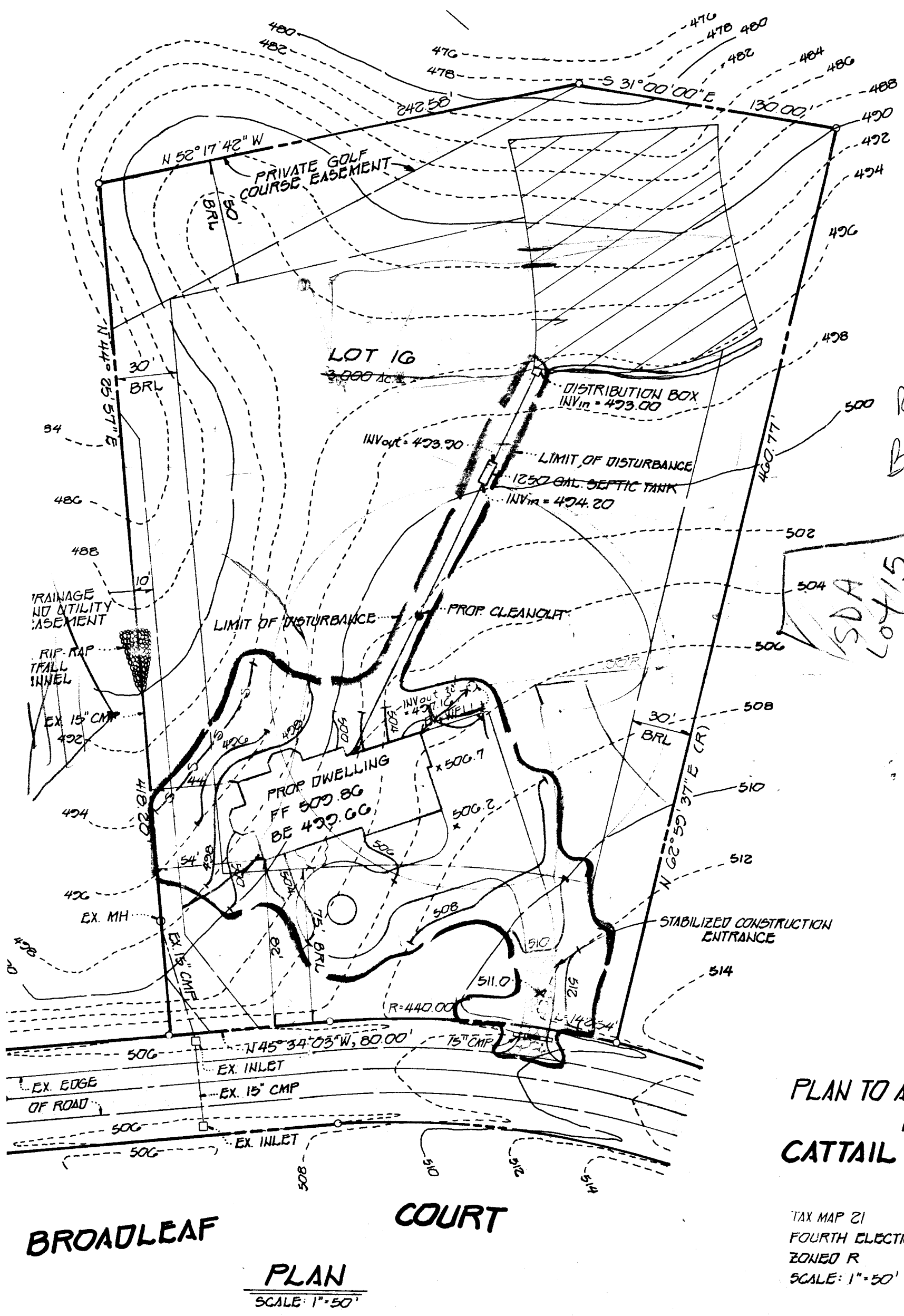
SDA
LOT 15



PLAN TO ACCOMPANY APPLICATION FOR
BUILDING PERMIT
CATTAIL CREEK COUNTRY CLUB

LOT 16

TAX MAP 21 PLAT 9518 PARCEL G
FOURTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
ZONED R DATE: DEC. 14, 1993
SCALE: 1"=50' SHEET 1 OF 1



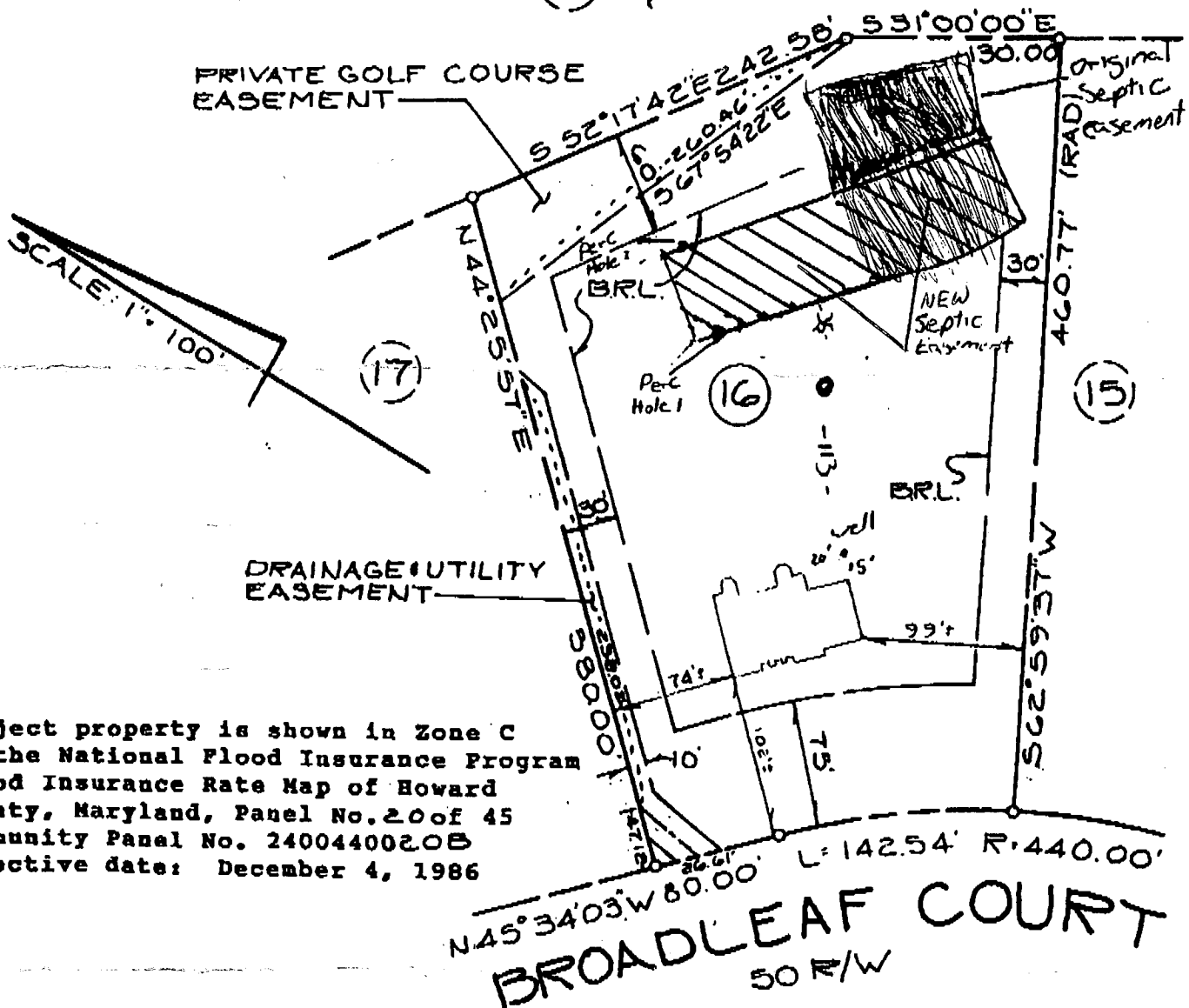
BROADLEAF

COURT

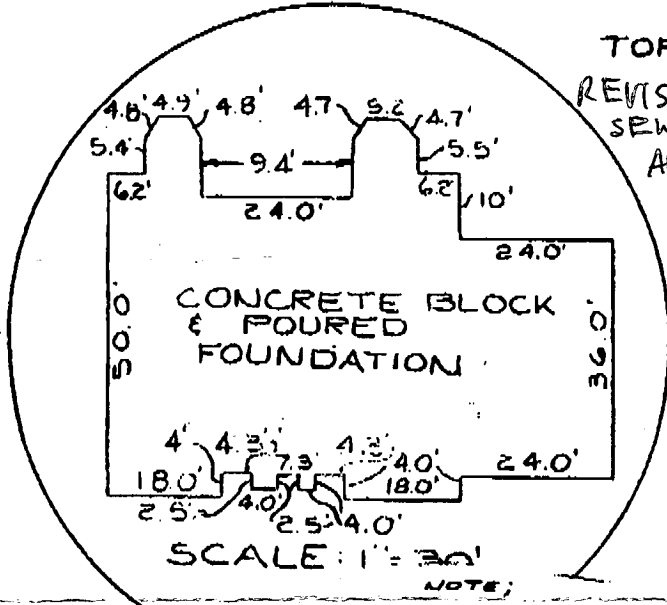
PLAN
SCALE: 1"=50'

(36)

OPEN SPACE





Subject property is shown in Zone C on the National Flood Insurance Program Flood Insurance Rate Map of Howard County, Maryland, Panel No. 20 of 45 Community Panel No. 2400440020B Effective date: December 4, 1986



TOP OF FOUNDATION ELEVATION: 506.5'
 REVISED? DRAWN BY STEVE GREBOW (OWNER)

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT

John Broyles 9-9-94
 HOWARD COUNTY HEALTH DEPARTMENT

Proposed 
 existing 

THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10000 SQUARE FEET AS REQUIRED BY MARYLAND STATE DEPT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS.

This is to certify that I have surveyed the property known as: LOT 16 OF "CATTAIL CREEK COUNTRY CLUB" RECORDED AS FLAT # 9518 AMONG THE LAND RECORDS OF HOWARD for the purpose of locating the improvements thereon. Improvements are located as shown. CO, MD.

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING, CONSULTANTS & LAND SURVEYORS
 901 BALTIMORE NATIONAL VETERANS BLDG
 BELLEVILLE CITY, MARYLAND 21034
 (301) 336-0200



Signed this 17th day of MARCH, 1994

Charles L. Crowder

This plat is not intended for use in the establishment of property lines.

