

1/12/98  
wood  
1/20/98  
2:00

# PERMIT

## SEWAGE DISPOSAL SYSTEM

### DEPARTMENT OF HEALTH AND MENTAL HYGIENE

04 - 350 818

P 59274

A 57065

DISTRICT 4th

DATE 12-19-97

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

~~XXXXXXXX~~ 410-313-2640

DATE SYSTEM APPROVED 1-20-98

INSPECTOR ALM

INDEXED

Renaissance Homes \_\_\_\_\_ IS PERMITTED TO INSTALL  ALTER \_\_\_\_\_

ADDRESS 12030 Sunrise Valley Drive, Reston, Virginia 22191 PHONE 703-620-4100

SUBDIVISION Cattail Creek LOT 1 ROAD 3602 Broadleaf Court

PROPERTY OWNER Mr. and Mrs. Anthony Zimmerman

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 4 feet below original grade. Bottom maximum depth 6 feet below original grade. Effective area begins at 4 feet below original grade. 2 feet of stone below distribution pipe.

LOCATION - Place distribution box 145 feet from right lot line (along Sycamore Valley Run) and 180 feet from front lot line as view from Broadleaf Court. Install trenches on contour initially toward rear lot line, then in both directions from distribution box.

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

OK KM 9/29/97

PLANS APPROVED BY Ronald J. Pinkley DATE 09/26/97

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

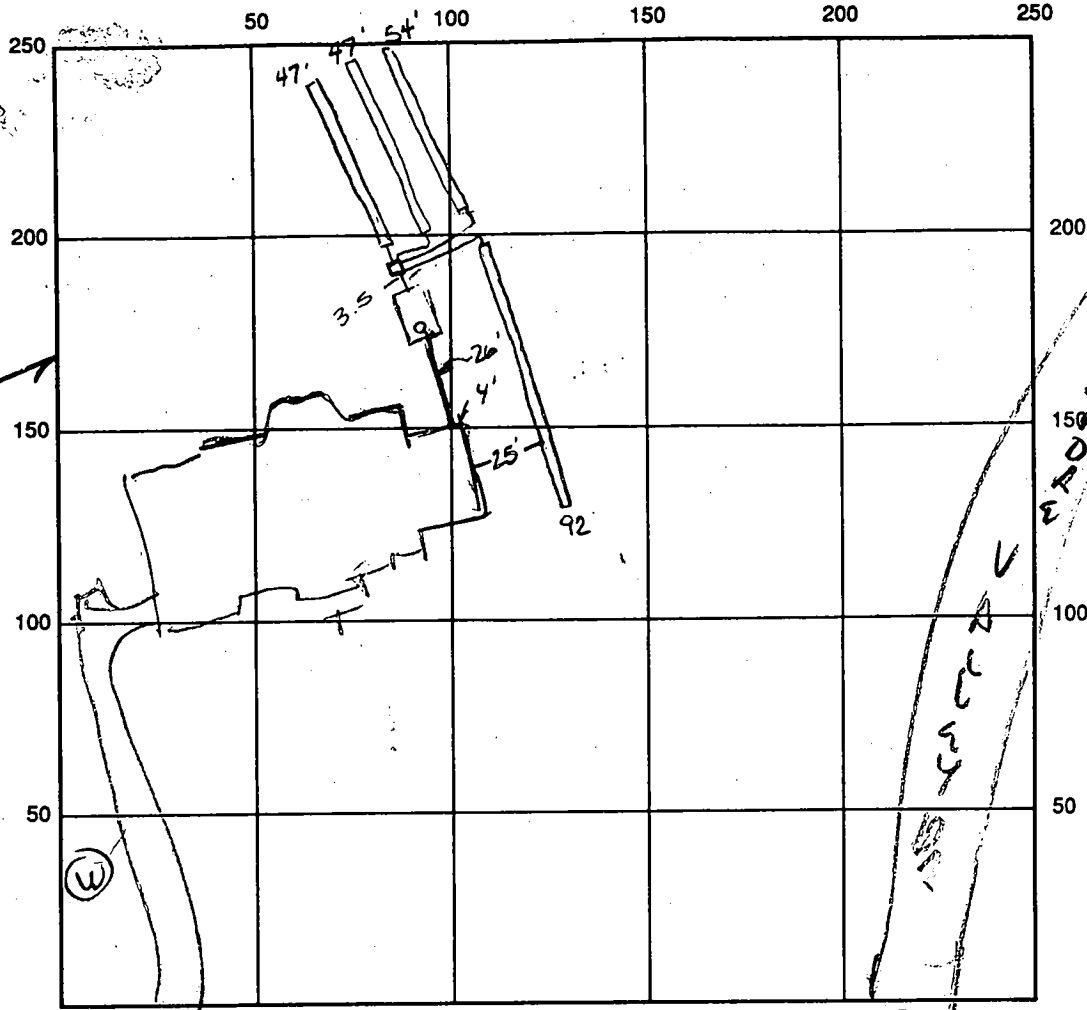
PERMIT VOID AFTER TWO YEARS

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 57065



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

*ROADWAY*

SEPTIC TANK LEVEL OK - 1250 CLEANOUTS 1 ON TANK

DISTRIBUTION BOX LEVEL OK baffle is in

DRAIN FIELD/TITLE DEPTH 6.0 FT. TRENCH WIDTH 3.0 FT. INLET DEPTH 4.0 FT.

EFFECTIVE GRAVEL DEPTH 2.0 FT. TOTAL LENGTH 240 FT.

NUMBER OF TRENCHES 3.0 ONE SIDEWALL/BOTTOM AREA 720 SQ. FT.  $\frac{240}{20}$

DRYWALL INSIDE DIAMETER      FT. EFFECTIVE DEPTH BELOW INLET      FT.

ABSORBENT AREA      SQ. FT.

REMARKS: 1-12-98 TANK SET, NO LINES YET COVER EXCEPT ENDS OF LINES, 1-12-98 OK TO COVER TO DIST BOX. 1-20-98 OK TO COVER ALL WORK  
Final All

DATE SYSTEM APPROVED 1/20/98 INSPECTOR A McMillan

2/27/98  
WPI AM  
3/4/98  
Reinsp  
2/6/98  
Reinsp

HOWARD COUNTY HEALTH DEPARTMENT  
Bureau of Environmental Health  
3028-N Ellicott Mills Drive  
Ellicott City, MD 21043

461-0833  
410 313 2640

APPLICATION FOR PITLESS ADAPTER, WELL PUMP AND PRESSURE TANK INSTALLATION

New Installation   
Replacement

Receipt # \_\_\_\_\_  
Date \_\_\_\_\_

Name of Installer

Ben Lewis

Telephone

3014283900

License Number 11002

Certified Well Pump Installer

Well Driller

Registered Plumber

Name of Property Owner

Renardson Home

Telephone

410 309 6045

Subdivision

Cottrell Creek

Lot #

1

Well Tag #

Site Address

3603 Broadleaf Ct

Pump

1. Type

- a. Deep well jet
- b. Shallow well jet
- c. Submersible

2. Make

Grundfos

3. Model #

S 250542-1

4. Capacity

\_\_\_\_\_ GPM

5. Pump exceeds well capacity Yes  No

6. If yes, is low pressure cutoff switch installed? Yes  No

7. What methods are used to protect the pump and electrical wiring from vibrations? Torque arrestors  Cable guards  Other

Motor

1. Horsepower

1/3

2. RPH

3. Voltage

a. 110

b. 220

Pitless Adapter

1. Make

2. Model #

3. Depth

42

Tank

1. Capacity

180

2. Pressure relief valve?

Yes

Piping

1. Type

Bek 1600

2. Size

1

3. NSF and/or BOCA Code approved

Yes

4. Depth of supply line

Well data

1. Depth

240 ft.

2. Yield

\_\_\_\_\_ GPM

3. Static water level

30' ft.

4. Will water supply be disinfected by installer?

well line, p.a. 4' below grade

well casing 1.5' + above grade

Needs 2 pc cap/Needs safety rope secured inside casing

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: [Signature]

Date: 2-26-98

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

3/4/98 NOT CORRECTED

3/6/98 NOT CORRECTED

C1 1167 SEQUENCE NO. (DENV USE ONLY)  
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON A.I.L. CARDS)

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 8 = 42454

ST/CO USE ONLY  
 DATE Received

DATE WELL COMPLETED  
12 26 96

Depth of Well  
165  
 (TO NEAREST FOOT)

PERMIT NO.  
 FROM "PERMIT TO DRILL WELL"  
HO-88-1196

OWNER CYCRANKS VEHICULAR PARTNERSHIP  
 STREET OR RFD. last name BROOKFIELD COURT first name TOWN GREENBELT  
 SUBDIVISION CYCRANKS VEHICULAR SECTION 1 LOT 1

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	
Topsoil	0	2	
Shale	2	15	
Sandstone	15	25	✓
Mika	25	45	
Sandstone	45	50	✓
Mika	50	70	
Sandstone	70	75	✓
Mika	75	130	
Sandstone	130	135	✓
Mika	135	165	

GROUTING RECORD  
 WELL HAS BEEN GROUTED (Circle Appropriate Box) YES  NO   
 TYPE OF GROUTING MATERIAL  
 CEMENT  BENTONITE CLAY   
 NO. OF BAGS 4 NO. OF POUNDS 400  
 GALLONS OF WATER 4.5  
 DEPTH OF GROUT SEAL (to nearest foot)  
 from 1 ft. to 2 ft.  
 (enter 0 if from surface)

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

MAIN CASING TYPE  
 Nominal diameter top (main) casing (nearest inch) 1  
 Total depth of main casing (nearest foot) 31

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  
 PL PLASTIC  
 HO OPEN HOLE  
 OT OTHER

DEPTH (nearest ft.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43
45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65

CIRCLE APPROPRIATE LETTER  
 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 THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "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. 453  
 DRILLERS SIGNATURE [Signature]  
 SITE SUPERVISOR (Sign. of driller or journeyman responsible for sitework if different from permittee) [Signature]

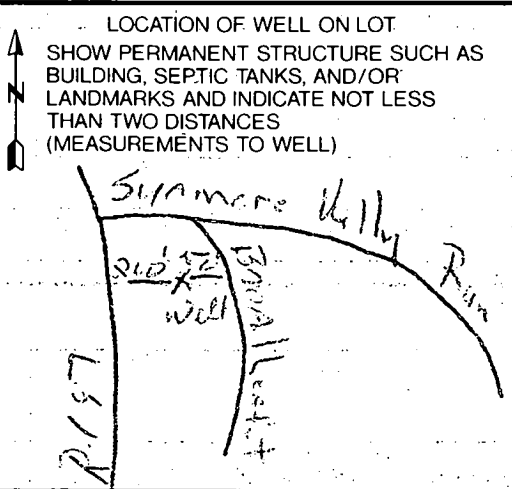
SLOT SIZE 1 \_\_\_\_\_ 2 \_\_\_\_\_ 3 \_\_\_\_\_  
 DIAMETER OF SCREEN \_\_\_\_\_ (NEAREST INCH)  
 from \_\_\_\_\_ to \_\_\_\_\_

GRAVEL PACK 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.) W Q  
 70  72  74  75  76   
 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST  
 HOURS PUMPED (nearest hour) 3  
 PUMPING RATE (gal. per min. to nearest gal.) 11  
 METHOD USED TO MEASURE PUMPING RATE Basic Pump  
 WATER LEVEL (distance from land surface)  
 BEFORE PUMPING 18  
 WHEN PUMPING 76  
 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 }



B 1 2177 SEQUENCE NO. (DP USE ONLY)  
(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

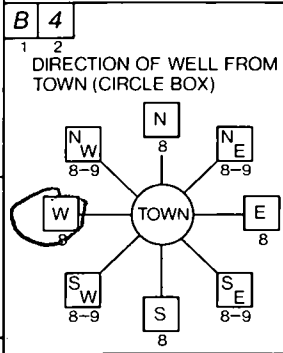
STATE OF MARYLAND  
PERMIT TO DRILL WELL  
please print or type

STATE PERMIT NUMBER  
H0-88-1196  
fill in this form completely

Date Received (APA) 110189  
OWNER INFORMATION  
Sycamore Valley Part  
8307 Main Street  
Ellicott City Md 21403

B 3 LOCATION OF WELL  
Howard  
Sycamore Valley  
SECTION 1 LOT 1  
Avenel  
MILES FROM TOWN 2 MI

DRILLER INFORMATION  
FRANK DELPH  
FRANK-DELPH Well Drilling Inc  
14234 Penningshp Rd Mt Airy Md  
Signature: Frank Delph Date: 10/23/89



B 4 Broadleaf Ct  
NEAR WHAT ROAD  
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) WEST  
DISTANCE FROM ROAD 20 FT

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

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)

Howard COUNTY NAME  
R # 42454 COUNTY NO.  
STATE SIGNATURE DATE ISSUED 070680  
NORTH GRID 523000 EAST GRID 0790000

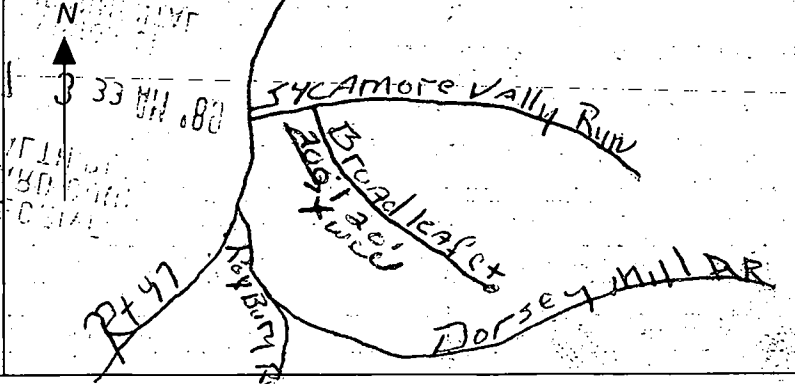
APPROXIMATE DEPTH OF WELL 200 FEET  
APPROXIMATE DIAMETER OF WELL 6 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X  
SOURCES OF DRILLING WATER  
1. Well  
2. 8 Bags of cement  
3. 36' casing  
32' open  
2/8 C.B.L.  
78890  
5273

METHOD OF DRILLING (circle one)  
BORED (or Augered) JETTED Jetted & DRIVEN  
AIR-ROtary AIR-Percussion ROTARY (Hydraulic Rotary)  
CABLE REVerse-ROtary Drive-POINT

WRITE THE BOX NUMBER FROM THE MAP HERE -  
DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION

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)



Not to be filled in by driller (OEP USE ONLY)  
APPROX. PERMIT NUMBER GAP  
FORCE C PERMIT No. H0-88-1196

SPECIAL CONDITIONS

# APPLICATION

8/2/96  
10:00  
9/3/96

PERCOLATION TESTING

A 57065

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

*PREVIEW OK  
PROPOSAL IS TO  
RELOCATE SEPTIC AREA  
TO ACCOMMODATE  
PLANNED POOL.*

DISTRICT \_\_\_\_\_

DATE 8/7/96

TO: THE COUNTY HEALTH OFFICER  
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER SYDAMORE VALLEY PARTNERSHIP

ADDRESS 10805 HICKORY RIDGE RD PHONE 410 740 5126

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION CATTAIL CREEK LOT NO. #1

ROAD AND DESCRIPTION \_\_\_\_\_

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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.

(SIGNATURE OF APPLICANT)

APPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

DISAPPROVED BY \_\_\_\_\_ FOR \_\_\_\_\_ DATE \_\_\_\_\_

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

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

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

A57065

COUNTY #

SOIL PROFILE

0'

beigh  
solum

---

3.0

dark  
orange  
Si Salm  
with  
packets  
of lgt  
yellow  
SiUm  
50%  
3-4"  
rock  
frags

---

12.0

2

fill

---

1.5

dark  
orange  
brown  
SiUm

---

5.0

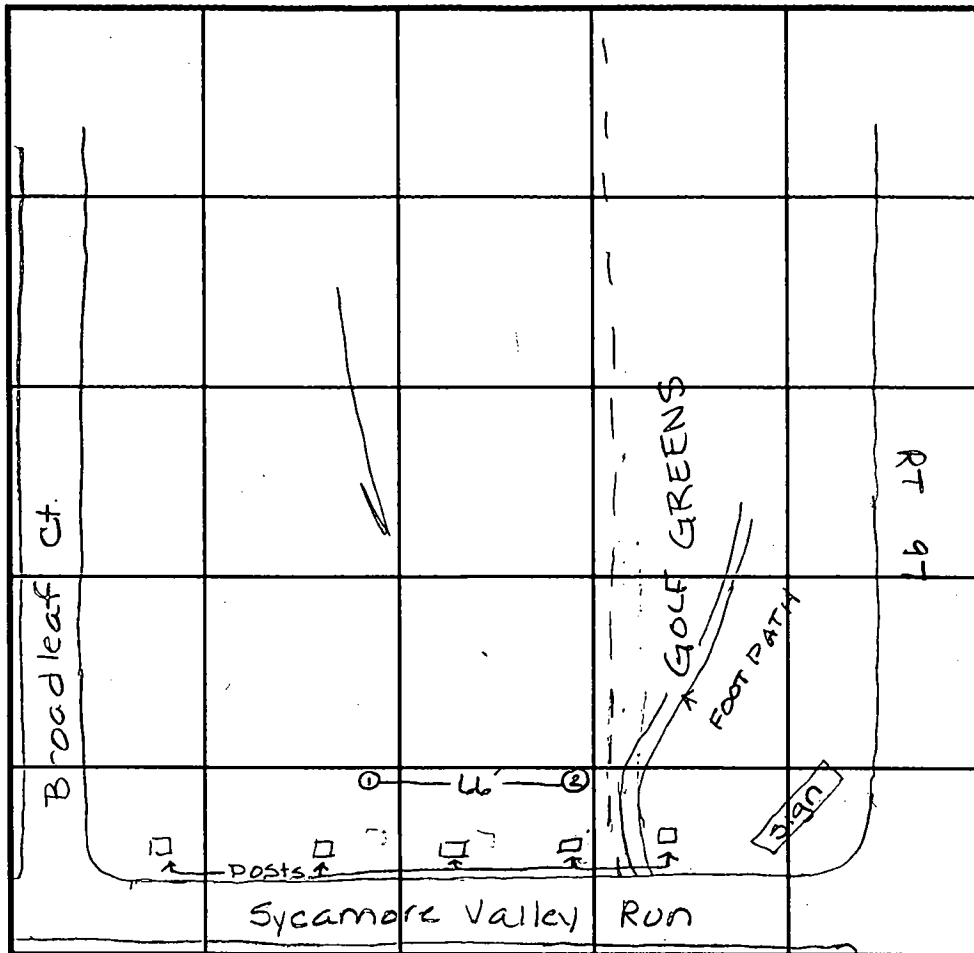
lgt  
yellow  
and  
bright  
orange  
mottled  
SiUm  
not H<sub>2</sub>O  
related

---

12.5

SOIL PROFILE

0'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-3-96	1	4.5 V12.0	8:52	8:53	8:53	9:23	30min
	2	5.0 V12.5	9:07	>30	min	—	slow
	2	5.5 V12.5	9:34	9:37	9:37	9:42	5min

Visual OK below 5.0

REMARKS \_\_\_\_\_

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

TESTED BY Amy McMillen ALSO PRESENT Jared

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME 10min TRENCH WIDTH 3.0

INLET DEPTH 4.0 MAXIMUM BOTTOM DEPTH 6.0 SQ. FT/BEDROOM 210

# APPLICATION

PERCOLATION TESTING

A 42454

P \_\_\_\_\_

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

Recd 12/12/88  
Check # 690 IN  
DRAWER

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.

PROPERTY OWNER Mr. + Mrs. Anthony Zimmerman  
Edgewood Farm Inc. c/o Land Design + Development

ADDRESS 8307 Main St PHONE 461-4600

PROSPECTIVE BUYER N/A

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Clark SYCAMORE VALLEY LOT NO. 1 New Final

ROAD AND DESCRIPTION Roxbury + Dorsey Mill  
(3002 Broadleaf Court) **BLDG. PERMIT SIGNED**  
**AND RETURNED** 9-26-88  
Serial # B-105053

TAX MAP 21 PARCEL # 6

SIZE OF LOT - 4.25 AC. TYPE BLDG SFD - 4 Bm  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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 Reri  
(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

42454

New #1

# 1

SOIL PROFILE



See # #2 → (42455)				
[See last page]				

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

13 min  
inlet 4'

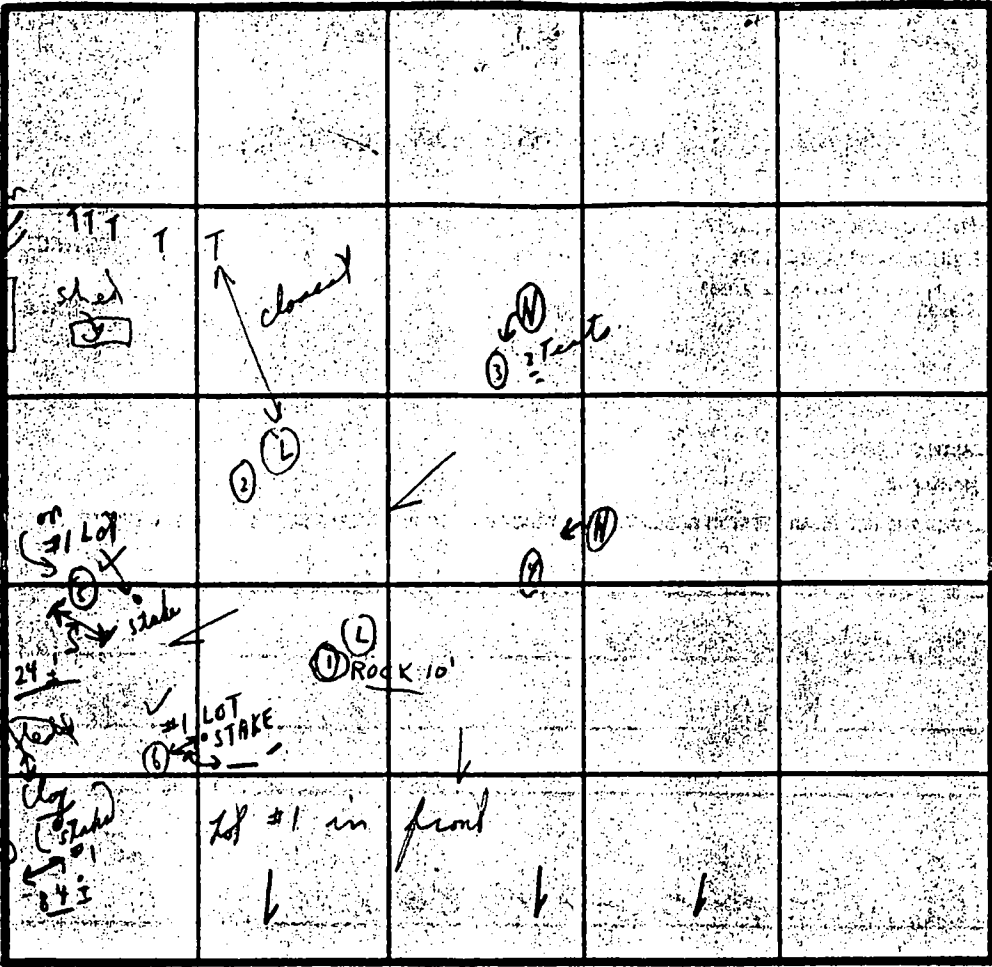
DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	

REMARKS See #2

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

TESTED BY \_\_\_\_\_ ALSO PRESENT \_\_\_\_\_

SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

GLENWOOD

RT 97

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/89	(L1)	4' d	10:04	10:08	10:08	10:15	7m
		10'	: Rock :				
	(L2)	4' d	10:09	10:16	10:16	10:29	13m
		11 1/2'			Loam		
	(H3)	4'	10:11	10:14	10:16	10:20	6m
		2'	10:10	10:16	10:16	10:20	6m
	(H4)	12'	←		Loam below clay →		
	(H5)	4 1/2' d	2:46	2:48	2:48	2:51	3m
		11 1/2'			LOAM	Dry to	3-8
	(H6)	6 1/2'	2:55	2:58	2:58	3:03	5m

11'-8" Note blowing snow → LOAM

REMARKS Treats in open; Tests per stake

TYPE OF SOIL

TESTED BY

C.R.D.

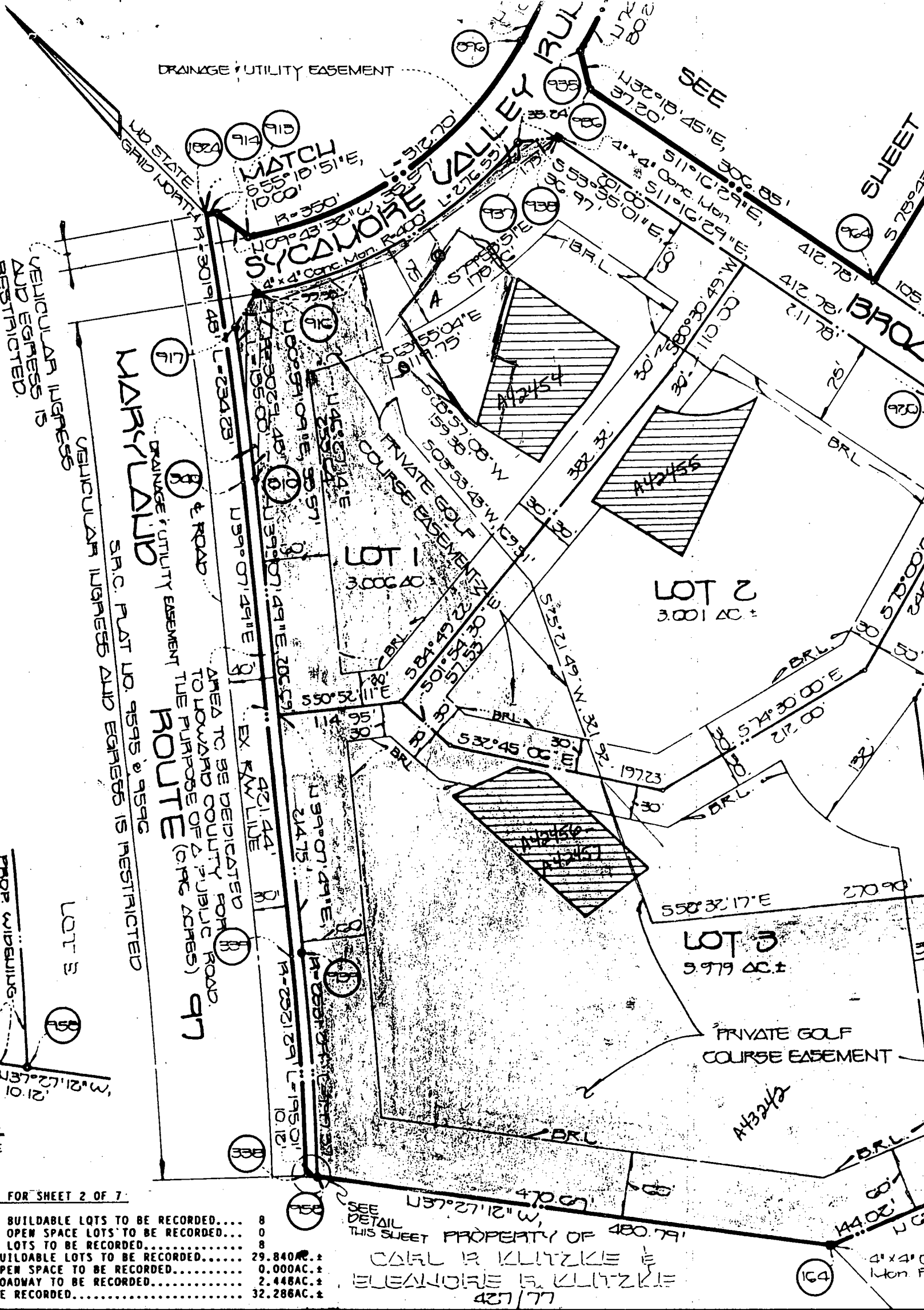
ALSO PRESENT

Ketterman  
+ son

DRAINAGE & UTILITY EASEMENT

SEE

SHEET



FOR SHEET 2 OF 7

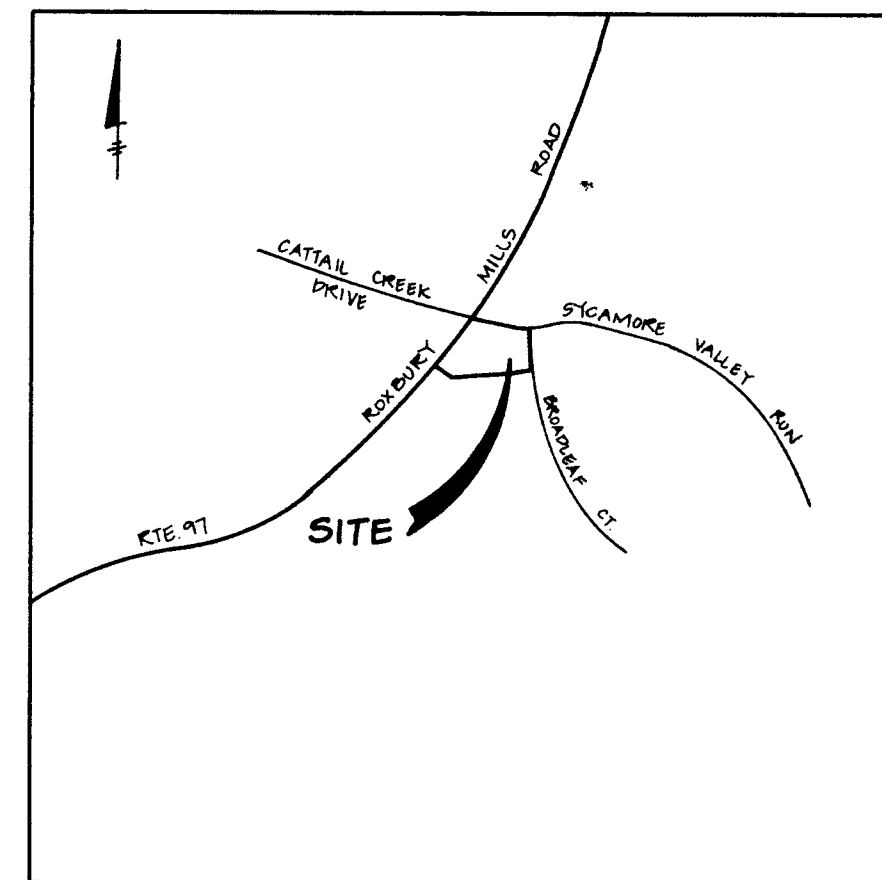
OF BUILDABLE LOTS TO BE RECORDED.....	8
OF OPEN SPACE LOTS TO BE RECORDED....	0
OF LOTS TO BE RECORDED.....	8
BUILDABLE LOTS TO BE RECORDED.....	29.840AC.±
OPEN SPACE TO BE RECORDED.....	0.000AC.±
ROADWAY TO BE RECORDED.....	2.448AC.±
BE RECORDED.....	32.288AC.±

SEE  
DETAIL  
THIS SHEET PROPERTY OF 480.79'  
CARL R KLITZKE  
ELEANORE B. KLITZKE  
427/77

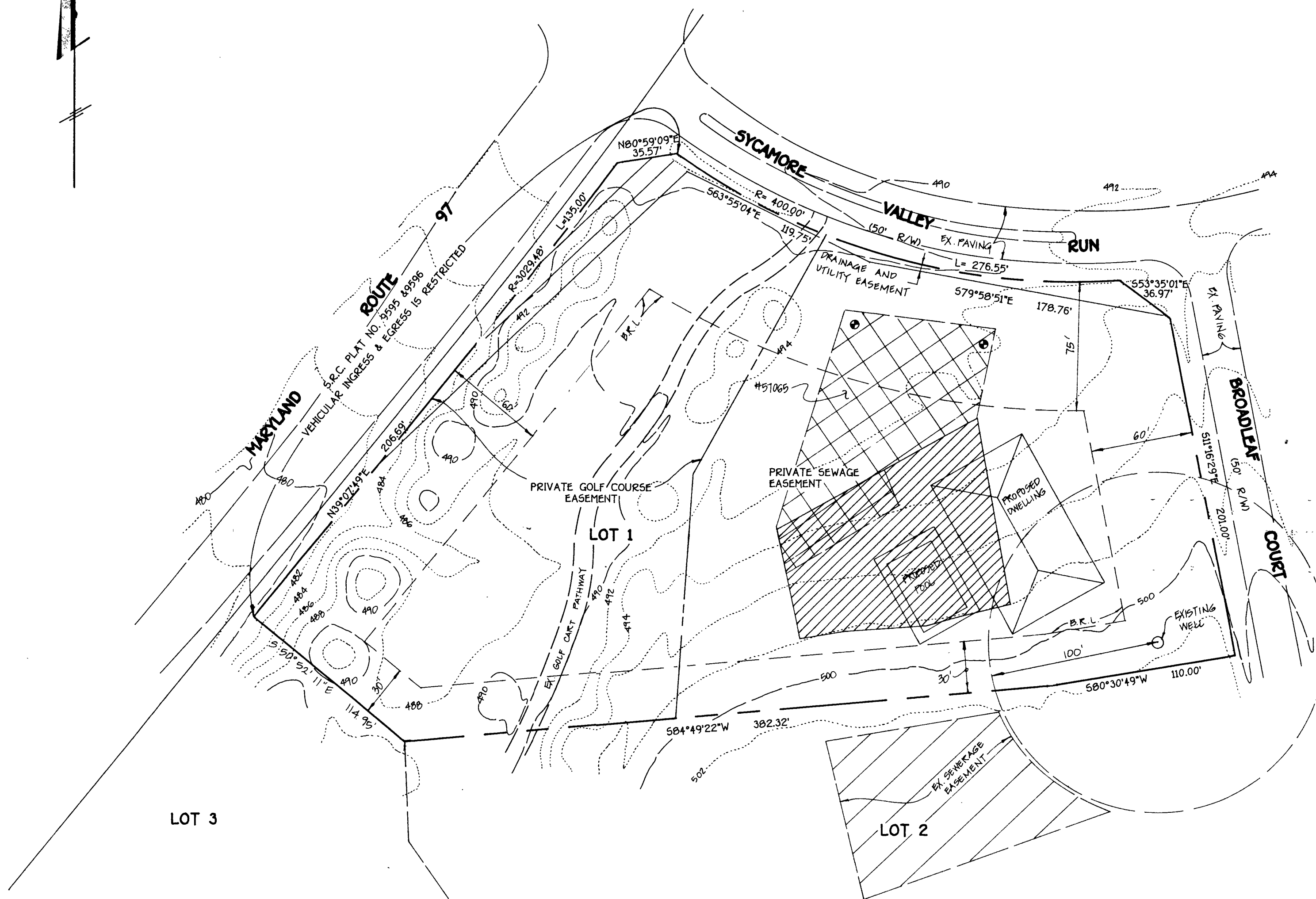
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.  
HEALTH OFFICER *C. B. [Signature]* DATE 7-19-90

HOWARD COUNTY DEPT. OF PLANNING AND ENGINEERING  
DATE 8.31.90

**OWNER'S CERTIFICATE**  
WE, EDGEWOOD FARM, INC. BY HAROLD L. CLARK, PRESIDENT, AND SYCAMORE VALLEY, JR., MANAGING PARTNER, OWNERS OF THE PROPERTY SHOWN AND DESCRIBED HEREON, AND IN CONSIDERATION OF THE APPROVAL OF THIS FINAL PLAT BY THE DEPARTMENT OF PLANNING AND ENGINEERING, HOWARD COUNTY, MARYLAND, GRANT TO HOWARD COUNTY, MARYLAND, THE RIGHT TO LAY, CONSTRUCT AND MAINTAIN SEWERS, DRAINS, WATER PIPES AND OTHER UTILITIES AND UNDER ALL ROADS OR STREET RIGHTS-OF-WAY AND THE SPECIFIC EASEMENT AREAS SHOWN AND DEDICATED FOR PUBLIC USE THE BEDS OF THE STREETS AND/OR ROADS AND FLOOD PLAINS, AND FOR GOOD AND OTHER VALUABLE CONSIDERATION, HEREBY GRANT THE RIGHT AND SIMPLE TITLE TO THE BEDS OF THE STREETS AND/OR ROADS AND FLOOD PLAINS, WHERE APPLICABLE; (3) THE RIGHT TO REQUIRE DEDICATION OF WATERWAYS AND DRAINAGE EASEMENTS FOR PUBLIC USE; AND (4) THAT NO BUILDING OR STRUCTURE BE ERECTED ON OR OVER THE SAID EASEMENTS AND RIGHTS-OF-WAY.  
WITNESS MY HAND THIS 12th DAY OF JUNE, 1990



VICINITY MAP  
SCALE: 1" = 1200'



GENERAL NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT 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 ENCROACHMENT INTO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. THIS AREA DESIGNATES AN EXISTING PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS PER RECORD PLAT NO. THIS EASEMENT IS TO BE ABANDONED.
3. THE LOT SHOWN HEREON COMPLEES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. THE PURPOSE OF THIS PLAT IS TO REVISE THE EXISTING PRIVATE SEWERAGE EASEMENT RECORDED IN PLAT NO. 9614 TO THE LOCATION SHOWN HEREON.
5. ALL WELLS AND SEPTIC SYSTEM WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN.
6. DENOTES WELL LOCATION.
7. DENOTES PERC HOLE LOCATION.
8. OWNER & DEVELOPER:

EDGEWOOD FARM INC.  
10805 HICKORY RIDGE ROAD  
COLUMBIA, MARYLAND 21044

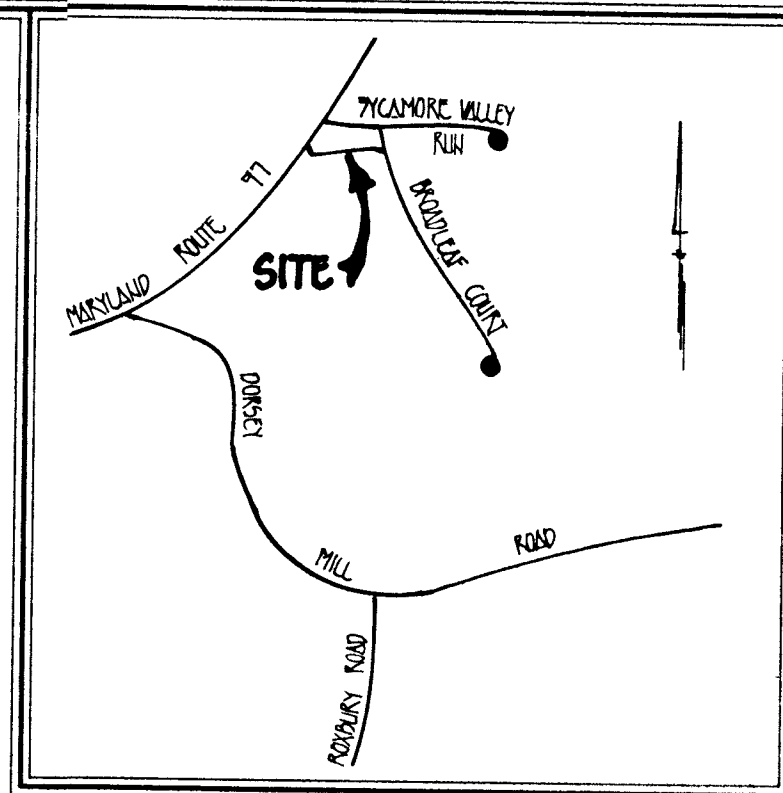
PERC CERTIFICATION PLAT  
CATTAIL CREEK COUNTRY CLUB  
LOT 1

FISHER, COLLINS & CARTER, INC.  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
9171 BALTIMORE NATIONAL PIKE, SUITE 100  
ELLCOTT CITY, MARYLAND 21042  
(410) 461 - 2855

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,  
HOWARD COUNTY HEALTH DEPARTMENT.  
*Joseph Boyd* MO  
COUNTY HEALTH OFFICER  
9-7-96  
ALM DATE

TAX MAP 21 ZONED: RC-DEO P/O PARCEL : 6  
4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1"=50' DATE: 9-6-96

BROADLEAF COURT



VICINITY MAP

SCALE: 1" = 1200'

GENERAL NOTES

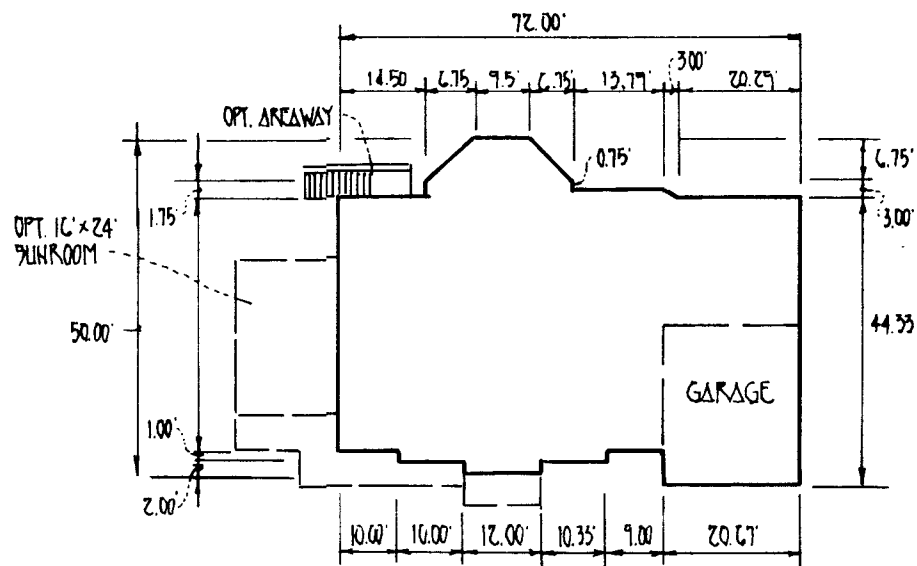
1. SEPTIC EASEMENT SUBJECT TO HOWARD COUNTY HEALTH DEPARTMENT No.
2. PROPOSED 1500 GALLON SEPTIC TANK.
3. A. FIRST FLOOR ELEVATION: 504.00  
 B. BASEMENT ELEVATION: 495.00  
 C. INVERT OF SEPTIC SYSTEM AT HOUSE: 491.50  
 D. INVERT IN AT SEPTIC TANK: 490.9  
 E. INVERT OUT AT SEPTIC TANK: 490.0  
 F. PROPOSED GRADE OVER SEPTIC TANK: 494.5  
 G. INVERT AT DISTRIBUTION BOX: 490.0  
 H. EXISTING GROUND OVER DISTRIBUTION BOX: 494.0
4. LENGTH OF TRENCH TO BE DETERMINED AT TIME OF SEPTIC PERMIT ISSUANCE.
5. CONTRACTOR / BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.

Total linear feet of trench required 240 feet / 4 Bdr  
 R00108083

Width of trench(es) 3 feet

Depth of trench(es) 6 feet

Depth of stone required below distribution pipe 2 feet



ZIMMERMAN RESIDENCE  
 Approved Septic System Plan  
 Howard County Health Department

*Paul J. Kelly*  
 Signature Date 9/26/97

PLAN TO ACCOMPANY APPLICATION  
 FOR BUILDING PERMIT

CATTAIL CREEK COUNTRY CLUB

LOT 1

TAX MAP Z1

PARCEL C

4th ELECTION DIST.

HOWARD COUNTY, MARYLAND

SCALE 1" = 50'

DATE AUGUST 27, 1997

