



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 530341

AGENCY REVIEW: _____

DATE 3/23/09

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH UNKNOWN PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE UNKNOWN IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) CYNTHIA RUDD TRUST c/d SANDY SPRING BANK ATTN: WILLIAM HARVEY

DAYTIME PHONE 301 570 8317 CELL _____ FAX 301 570 1195

MAILING ADDRESS 17801 GEORGIA AVE OLNEY MD 20832
STREET CITY/TOWN STATE ZIP

APPLICANT CAS ENGINEERING ATTN: ERIC TIDD

DAYTIME PHONE 301 607 8081 x12 CELL _____ FAX 301 607 8045

MAILING ADDRESS 108 W. ROBEVILLE BLVD SUITE 101 Mt. Airy MD 21771
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME RIVER FARMS SECTION 2 LOT NO. 18

PROPERTY ADDRESS DUVAL ROAD WOODBINE
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 13 GRID 18 PARCEL(S) _____ PROPOSED LOT SIZE 2 AC

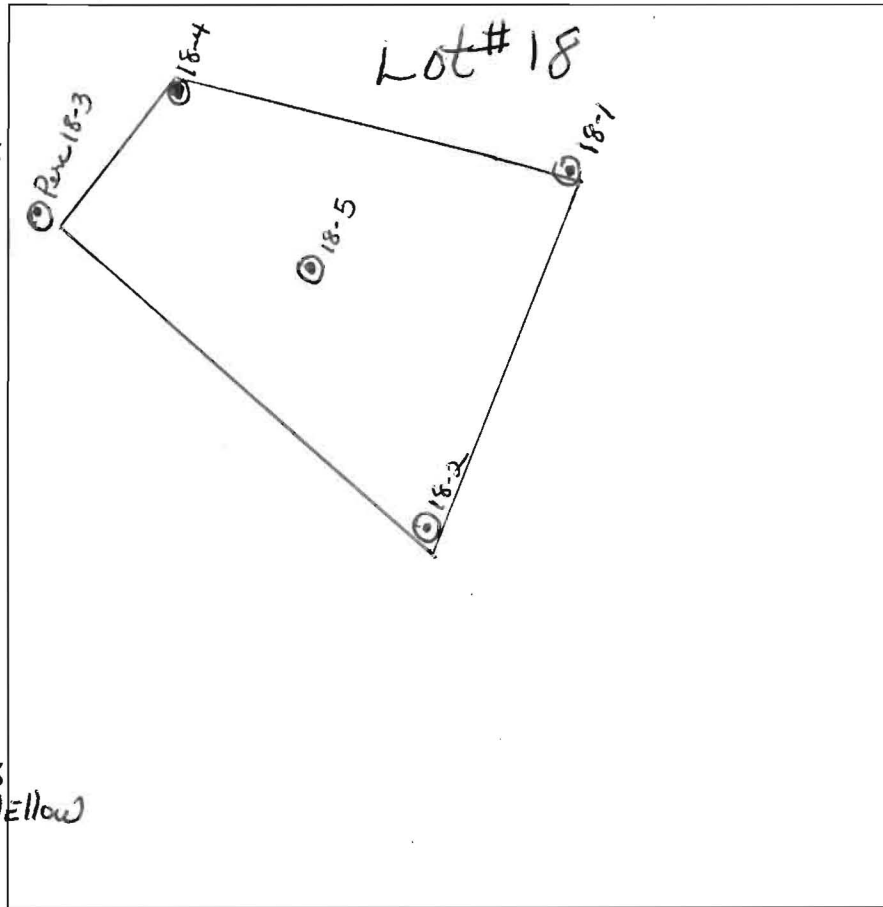
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP



18-5
 Rd Brn Gry
 2SBK Schl 0.5
 Rd Brn Schl 1'
 Sh Rd Brn
 Small Rocks
 10-15% 5'
 Sh
 Rd Brn
 mica
 10-15%
 Rocks (sm)
 ↓
 12'

18-1
 Brn-Gry
 2SBK Schl 0.8
 Sh Rd Brn, Yellow
 5-10%
 Sm Rock
 Very
 little
 mica
 ↓
 14'

18-3
 Brn Gry
 2SBK Schl 0.6
 Rd Brn
 Sh (ting)
 much
 Rd Brn Sh
 5-10% 8'
 Rock sm
 ↓
 14'

18-4
 2SBK Gry
 Brn Schl 0.5
 Red Brn
 Heavy Sh
 10-15%
 Sm Rocks or stones
 6'
 Rd Brn Yellow
 Sh
 much
 mica
 Small
 stones
 ↓
 13.5'

18-2
 Same
 Profile
 as
 18-3

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
7-7	18-1	14	Usual Pass				P
7-7	18-2	14	Visual Pass				P
7-7	18-3	4/14	12:07	12:09	12:12	3 min	P
7-7	18-4	4/13.5	12:20	12:26	12:50	14 min	P
7-7	18-5	4/12	11:45	11:48	11:54	6 min	P

REMARKS _____
 SANITARIAN D Bernard BACKHOE _____ OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



Bureau of Environmental Health
7178 Gateway Drive Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
Website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

July 13, 2009

RE: **Percolation Test Results**

Purpose: To Subdivide and Establish two (2) Septic Reserved Areas

Property ID: 2983 Duvall Road
Woodbine, Maryland 21797
Tax Map: 13 Parcel: 96

Dear Mr. Eric Tidd:

Percolation testing was recently conducted July 7, 2009 on the above referenced property, in an effort to subdivide and establish sufficient septic reserve areas for one (1) existing and one (1) new lot.

Results for each lot indicated satisfactory soil conditions for onsite wastewater disposal and adequate septic reserve area for each lot to support the proposed number of bedrooms for a single family dwelling. Field data collected is shown on the Percolation Test Worksheets enclosed with this letter.

A total of 10 test holes were dug and 2 lots created with a 10,000 sq.ft. septic reserve area for each. On lot #17, the existing septic system was discovered in front of the house and it must be abandoned along with the well, existing barn, existing shed and house before final building permit approval. A description of use and intent designated for each item, e.g. "to remain" or "to remove" must be included on Perc Certification Plan.

Acceptable ranges for recommended inlets and trench bottom depths, and usable sidewalls are indicated for all lots, and may be confirmed at the time of installation.

The next step in this process is to have your engineer/consultant submit a Percolation Certification Plan. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me at the above address or by telephone at (410) 313-2775.

Respectfully,

Dana L. Bernard, Environmental Sanitarian
Bureau of Environmental Health
Well and Septic Program
Development and Coordination
Phone (410) 313-2775
E-mail: DBernard@howardcountymd.gov

DLB
Enclosures
cc: Well & Septic program file
CAS Engineering, Inc.

A 530342 Perc Information- 2983 Duvall Road

18-1

Dk. Gray
Brown 2 SBK
SCL

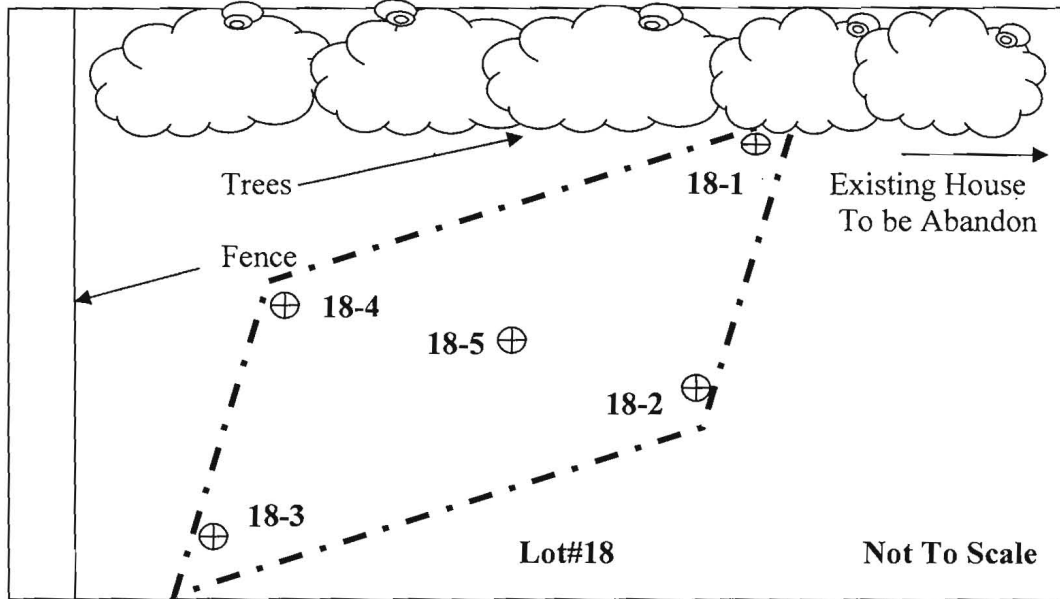
-----0.5'

Red-Brown
Yellow
FSL
5-10% Small
Rocks

Very Little
Mica

-----14'

18-2



18-4

Dk. Gray
Brown 2 SBK
SCL

-----0.5'

Red-Brown
Yellow
Heavy SL

-----6'

Red-Brown
Yellow
Fine SL
Very Little
Mica

-----14'

18-5

Soil
Profile
Same
as
Profile
18-3

Date	Test #	Depth	Start	Break 1" Drop	Break 2" Drop	Time of 2 nd Inch	P/F/H
7-07-09	18-1	14	Visual	Pass			Pass
7-07-09	18-2	14	Visual	Pass			Pass
7-07-09	18-3	4/14	12:07	12:09	12:12	3 min.	Pass
7-07-09	18-4	6/13.5	12:20	12:26	12:40	14 min.	Pass
7-07-09	18-5	4/12	11:45	11:48	11:54	6 min.	Pass

Dk. Gray
Brown 2 SBK
SCL

-----0.5'

Red-Brown
SL

-----1'

Red-Brown
SL
10-15% Small
Rocks

-----5'

Red-Brown
SL
Much Mica
10-15%
Small Rocks

-----12'

18-3

Dk. Gray
Brown 2 SBK

-----0.6'

Red-Brown
Yellow
Fine SL
Much Mica

-----8'

Red-Brown
SL
Much Mica
5-10% Small
Rocks

-----14'

Remarks: Very Good Soils (GgA).

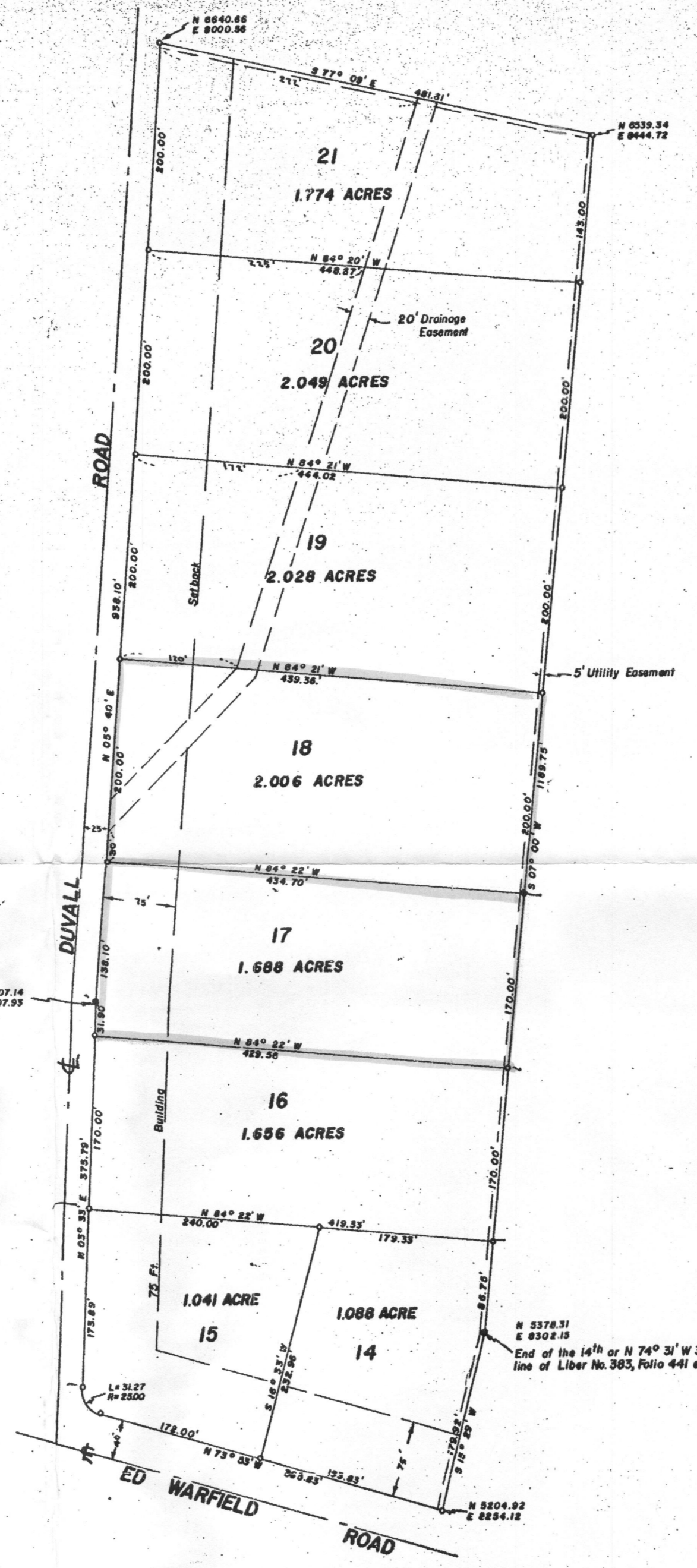
Sanitarian D. Bernard Backhoe Bo Carlyle Others Ralph

Test Holes Used in 5 in SDA Avg. Perc Time SQ.FT/BR 150

Trench Width Inlet Depth Max Bot.Depth Effective S/W

#14

#14



OWNERS DEDICATION

I, Richard M. Hollowell, President of River Farms Inc. a body corporate of the State of Maryland owner of the property shown and described hereon, adopt this plan of subdivision and reserve the fee simple title to the beds of the streets and/or roads shown hereon, and in consideration of the approval of this plat by the Planning Commission of Howard County, I, or my assigns do hereby give and grant unto the Board of County Commissioners of Howard County, the right and option to acquire for the consideration of One Dollar the fee simple title to the beds of the streets and/or roads shown hereon within the period of Five years from the date of the recording of this plat among the Land Records of Howard County.

Witness my hand and seal this 9th day of January 1963
Richard M. Hollowell
Richard M. Hollowell, President
River Farms Inc.
131 Cornus Lane
Ellicott City, Maryland

ENGINEERS CERTIFICATE

I hereby certify that the plan shown hereon is correct, that it is a subdivision of a part of the land which by deed dated May 14, 1962 and recorded among the Land Records of Howard County in Liber No. 383 Folio 441 etc. was granted and conveyed by the Wheeler Holding Company and James B. Watris to River Farms Inc. and that iron pipes marked thus o and concrete monuments marked thus m are in place as shown hereon. I further certify that the requirements of Section 72A to 72D of the Annotated Code of Maryland Acts of 1951 (Title Clerk of Court - Subtitle Clerk of Circuit Court) as far as they relate to the marking of this plat and the setting of markers have been complied with.

Claude M. Skinner Jr.
Claude M. Skinner Jr. Reg. Engineer & Land Surveyor No. 2237
11 Court Place
Ellicott City, Maryland

**MAP OF
RIVER FARMS INC. SECTION TWO
FOURTH ELECTION DISTRICT OF HOWARD COUNTY
DAISY, MARYLAND
SCALE: 1 IN. = 100 FT. JANUARY 1963**

Coordinates - Assumed
Area in lots 13.330
Area in road 1.146
Total 14.476 Acres

PLAT APPROVED BY

2-19-63 *Wilmer M. Sanner*
Date Wilmer M. Sanner, Chairman of Planning Commission
2-14-63 *Thomas G. Harris Jr.*
Date Thomas G. Harris Jr. Planning Director
2-15-63 *Herman O'Neill*
Date Herman O'Neill, County Roads Supervisor
2-20-63 *Carl W. Meyer*
Date Carl Meyer, Chief Engineer of the Metropolitan Commission

FILED FEB 25 1963

C-2054

GENERAL NOTES

- CURRENT ZONING: RC-DEO
MIN. LOT AREA = 3.0 ACRES
LOT WIDTH AT B.R.L. = 100 FT.
FRONT B.R.L. = 75 FT. (PRINCIPLE STRUCTURE)
REAR B.R.L. = 30 FT.
SIDE B.R.L. = 10 FT. EACH
- TOTAL LOT AREA:
LOT 17 = 73,529.28 S.F. (1.688± ACRES)
LOT 18 = 87,381.36 S.F. (2.006± ACRES)
- PROPERTY SHOWN ON TAX MAP 13, LOT 17-18, RIVER FARMS SECTION 2.
- TAX ID NUMBERS:
LOT 17: 04-327039
LOT 18: 04-327020
- PROPERTY SHOWN ON HOWARD COUNTY SOILS SURVEY MAP No. 9.
SOIL TYPE(S): GmB, GgB, GgA.
- FLOOD ZONE 'C' PER F.E.M.A. FIRM MAPS, COMMUNITY PANEL NUMBER 240044 0013 B.
- SITE IS LOCATED IN THE CATTAIL CREEK WATERSHED.
- ALL ILLUSTRATED OFFSITE FEATURES ON THIS PLAN ARE APPROXIMATE AND ARE INTENDED FOR ILLUSTRATIVE PURPOSES ONLY.

PERCOLATION CERTIFICATION NOTES

- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- TWO-FOOT CONTOUR DATA IS BASED ON A FIELD SURVEY COMPLETED BY CAS ENGINEERING, SEPTEMBER 2009.
- ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICE SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA. *1912 it provides of itself enough area to accommodate an initial and two subsequent septic systems as approved by Howard County Health department.*
- ALL NEW WELLS MUST BE DRILLED PRIOR TO BUILDING PERMIT APPROVAL.
- EXISTING SEPTIC SYSTEM AND WELL ON LOT #17 MUST BE ABANDONED PRIOR TO BUILDING PERMIT APPROVAL.
- EXISTING HOUSE ON LOT #17 MUST BE RAZED PRIOR TO BUILDING PERMIT APPROVAL FOR LOT #17.
- MARYLAND DEPARTMENT OF THE ENVIRONMENT APPROVED A VARIANCE FOR THE ON-SITE SEWAGE DISPOSAL AREA FOR 2959 DUVALL ROAD, WOODBINE, MARYLAND, LOT #18 TO BE UP GRADIENT OF THE WELL LOCATED NEXT DOOR AT 2949 DUVALL ROAD, WOODBINE, MARYLAND. *This variance was approved with the condition that 2949 B04 on Lot #18 can support up to a 4 Bedroom house. (4 Bedroom maximum.)*

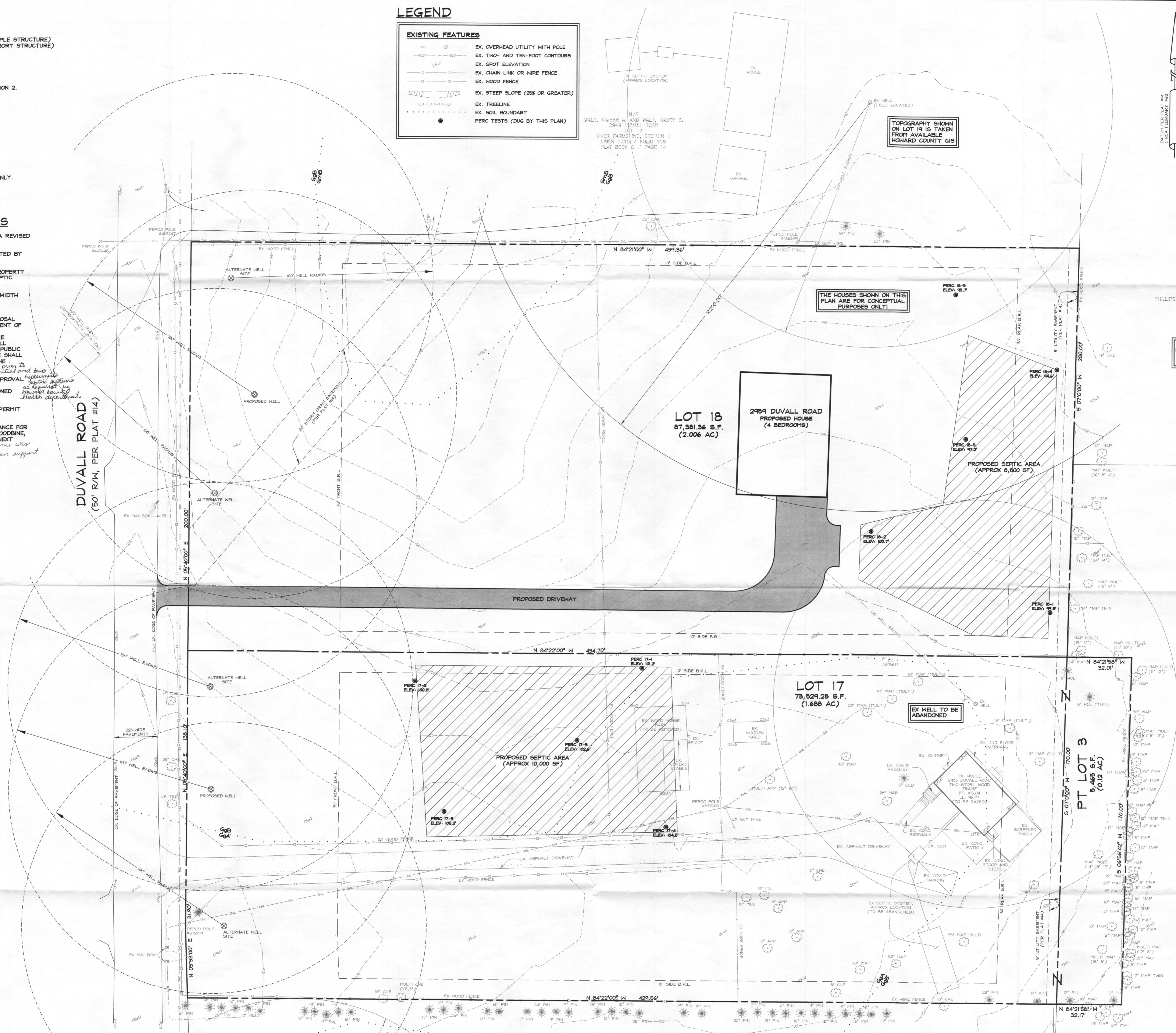
LEGEND

EXISTING FEATURES

- EX. OVERHEAD UTILITY WITH POLE
- EX. TWO- AND TEN-FOOT CONTOURS
- EX. SPOT ELEVATION
- EX. CHAIN LINK OR WIRE FENCE
- EX. HOOD FENCE
- EX. STEEP SLOPE (25% OR GREATER)
- EX. TREELINE
- EX. SOIL BOUNDARY
- PERC TESTS (DUG BY THIS PLAN)

VICINITY MAP
ADC MAP 8, GRID E-4
SCALE: 1" = 2000'

DATE	REVISION	BY	REASON
03/09/09	09-034	EBT	SUBMITTAL TO H.C. HEALTH DEPT.
11/06/04	EBT	EBT	ADDRESS COMMENTS FROM H.C. HEALTH DEPT.
11/06/04	EBT	EBT	ADDRESS COMMENTS FROM H.C. HEALTH DEPT.
01/20/10	EBT	EBT	REVISED SEPTIC AREA FOR LOT 18 PER H.C. HEALTH DEPT.
			SCALE: 1" = 20'
			APPROVAL: CAS



NOTE: EXISTING UTILITY LOCATIONS ARE APPROXIMATE. THEY ARE BASED UPON AVAILABLE RECORDS AND ARE SHOWN TO THE BEST OF OUR ABILITY. ALL UTILITY LOCATIONS MUST BE FIELD VERIFIED.

MISS UTILITY
FOR LOCATION OF UTILITIES, CALL "MISS UTILITY" AT 1-800-257-7777, OR LOG ON TO WWW.MISSUTILITY.NET/ITIC 48 HOURS IN ADVANCE OF ANY WORK IN THIS VICINITY. THE EXCAVATOR MUST NOTIFY ALL PUBLIC UTILITY COMPANIES WITH UNDER GROUND FACILITIES IN THE AREA OF PROPOSED EXCAVATION AND HAVE THOSE FACILITIES LOCATED BY THE UTILITY COMPANIES PRIOR TO COMMENCING EXCAVATION. THE EXCAVATOR IS RESPONSIBLE FOR COMPLIANCE WITH REQUIREMENTS OF CHAPTER 36A OF THE MONTGOMERY COUNTY CODE.

SULTZER, RANDY T AND MARASCO TAMARA A
2993 DUVALL ROAD
LOT 18
RIVER FARMS, INC. SECTION 2
LIBER 9447 / FOLIO 86
PLAT BOOK 2 / PAGE 14

PROFESSIONAL ENGINEER CERTIFICATION
I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 19666, EXPIRATION DATE 03/08/2010.

DATE: 01/20/10
CURT A. SCHREFFLER, PE



APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HEALTH OFFICE, HOWARD COUNTY HEALTH DEPT.
DATE: 2/3/2010

2959 & 2983 DUVALL ROAD
LOTS 17-18
SECTION 2, RIVER FARMS
PERCOLATION CERTIFICATION PLAN

PLAT 14, RECORDED CIRCA FEBRUARY 1963
SEC. 2, RIVER FARMS
4TH ELECTION DISTRICT
HOWARD COUNTY, MD

ENGINEERING
CIVIL • SURVEYING • LAND PLANNING
A DIVISION OF CAS ENTERPRISES, INC.
108 West Ridgeville Boulevard, Suite 101, Mount Airy, Maryland 21771
DC Metro (301) 607-8031 FAX (301) 607-8045

