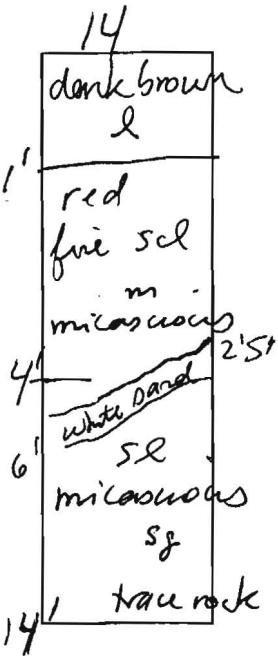
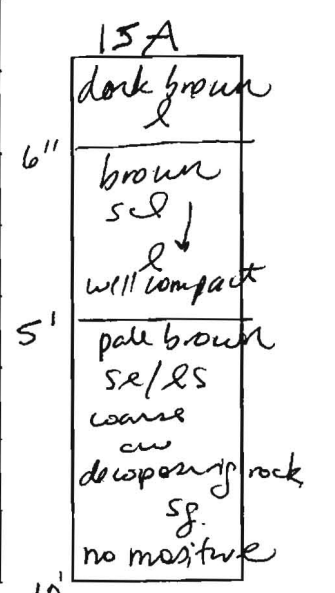
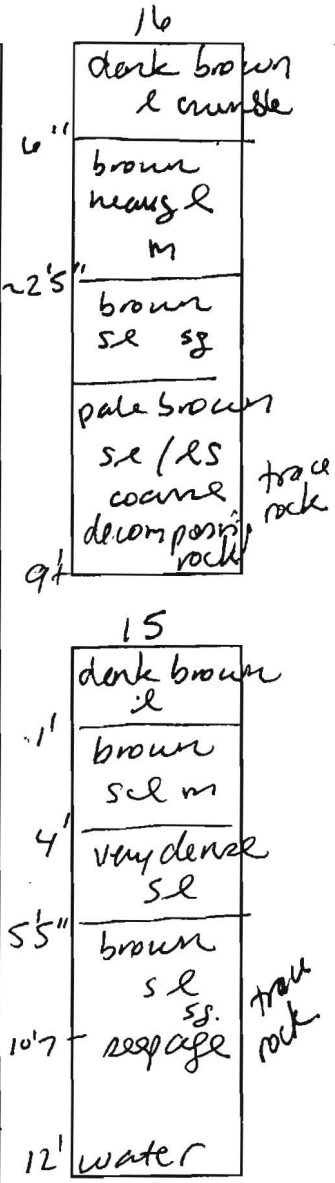
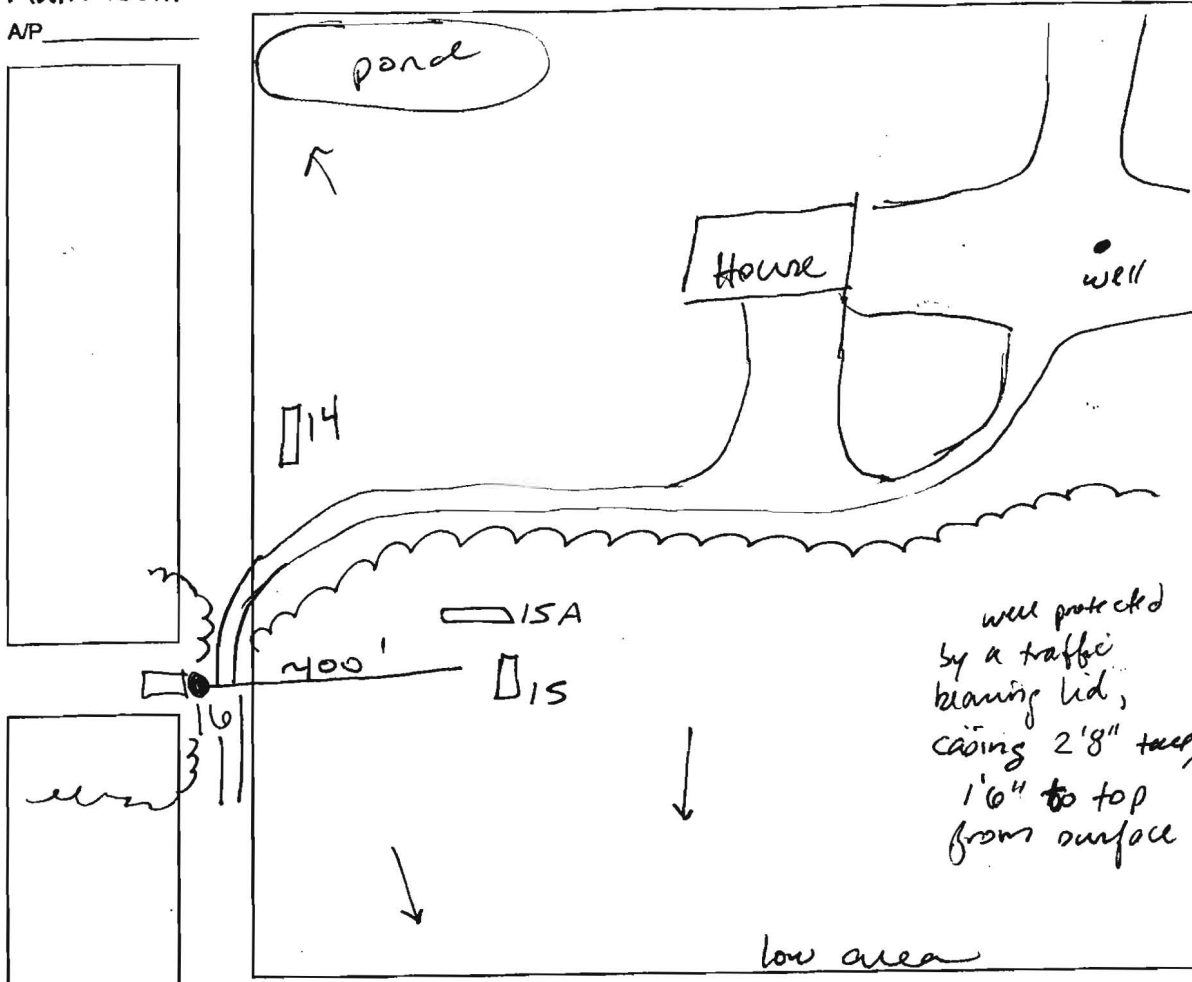


Mamontsville Estates - Cornwood Lane

A/P



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
10/17/00	14	4' / 14'	10:42	10:48	10:58	10	P
	15	5'5" / 12'	11:31	11:40			
		6'5"		too rainy	H ₂ O falling in pit hole		
10/20/00	15A	6'	9:09	9:10	9:11		
			9:11	9:12 ⁵¹	9:14 ⁵⁷	2	P
		no rain					
		4'8"	9:21	9:41	too slow		
	16	3'5" / 9+	9:44	9:48	9:54	7	P

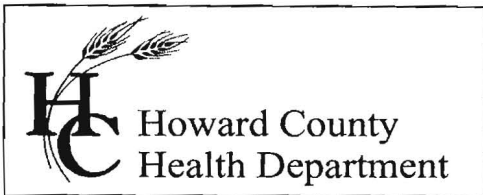
REMARKS holes staked by engineer = very rainy

SANITARIAN SF/AT BACKHOE Covey OTHERS Covey

TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____

TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

pit well located in driveway, needs to be brought up to code prior to final plat



7178 Columbia 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

Penny E. Borenstein, M.D., M.P.H., Health Officer

MEMORANDUM

TO: Julie Immler
DDC

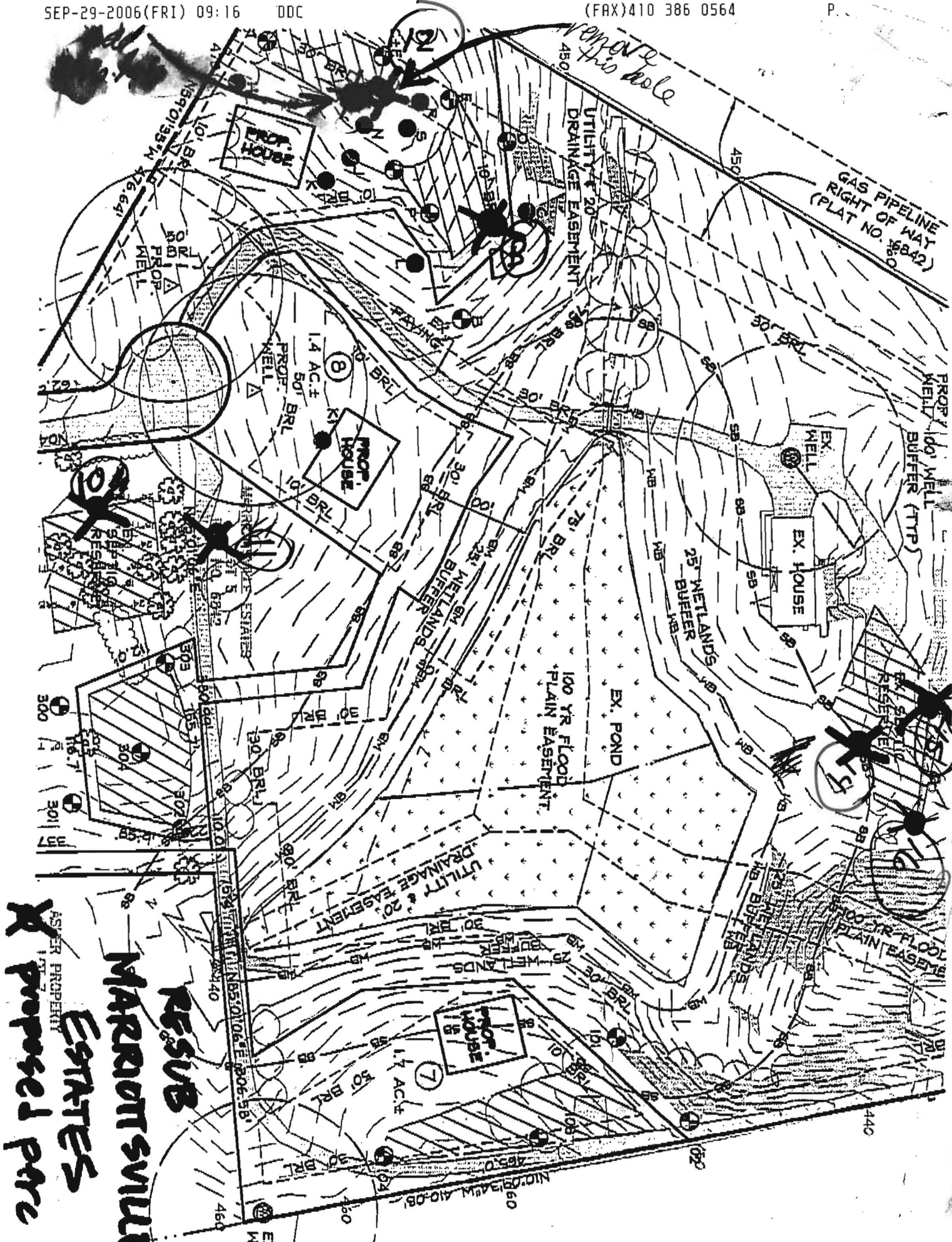
FROM: Sara Fegel *SF*
Well and Septic Program
Development Coordination Section

RE: Marriottsville Estates percolation certification plan
Covewood Lane

DATE: February 7, 2007

The following comments are in reference to the percolation certification plan for Marriottsville Estates.

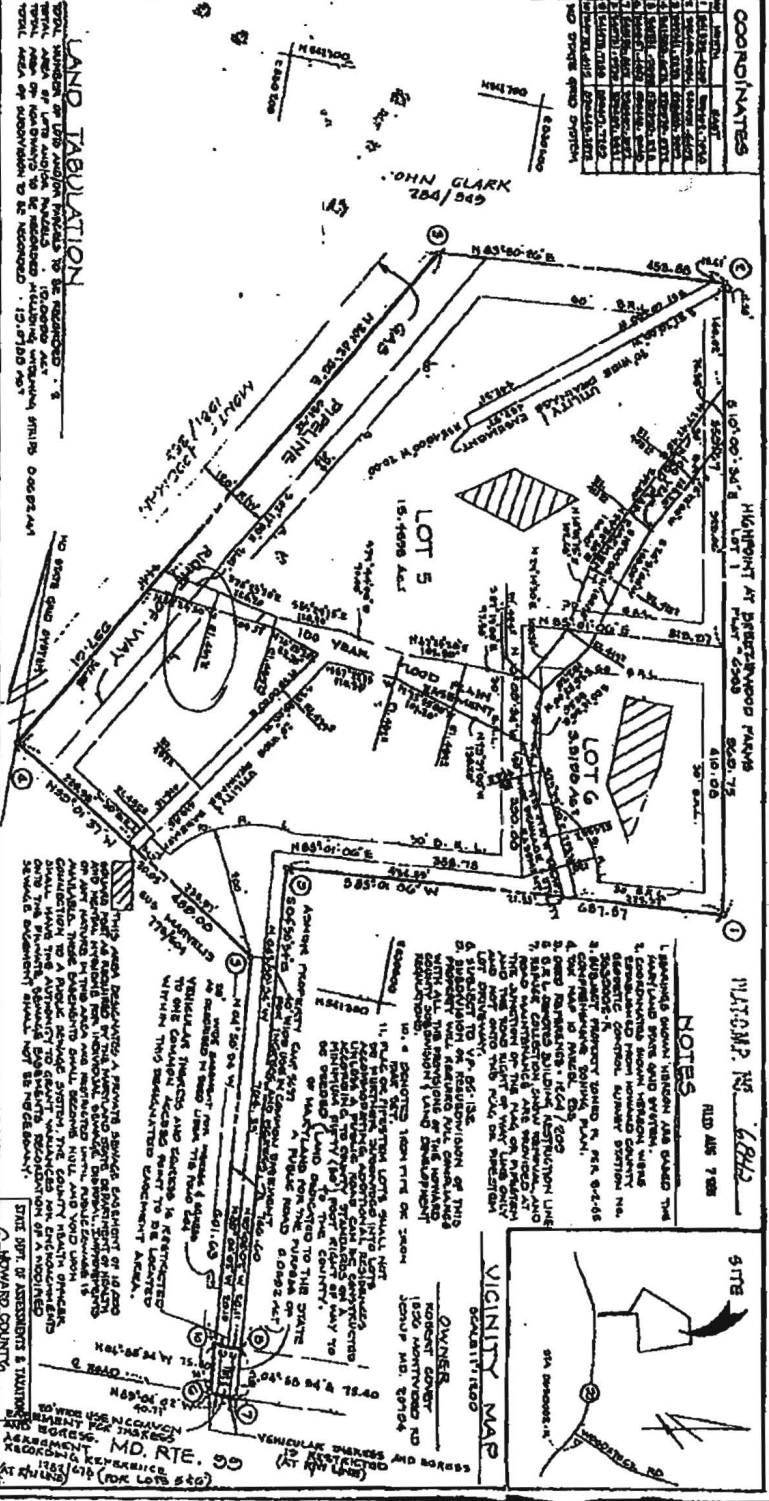
- Lot 10 – two new holes were tested. One was added to the plan below the sand mound test in the 4246 square foot SDA, but is not labeled. In the test notes it is labeled as #12. The second hole was done in the 6714 square foot SDA. It is not shown on the plan. In the test notes it is labeled B, but it was not the B shown on the plan. ✓
- Lot 10 – well box needs to be adjusted 15' from the drainage and utility easement, but also maintain house, property line, and SDA setbacks. ✓
- Lot 9 – test holes need to be labeled. Refer to perc test notes for hole numbers ✓
- Lot 11 – See perc test notes for hole numbers. Hole #14 should be #15A. Hole #15A should be #14 and hole #15 should be #16. Per comments dated 12/1/06, SDA can not be extended past hole #15A. ✓
- Lot 11 - SDA needs to be 25' from 25% slopes ✓
- Existing well on Lot 11 needs to have bollards shown around the well as a protective measure since it is in the driveway ✓



**MARROTT SWIM
RESUB
ESTATES**
 AS PER PROPERTY
 1777
 Proposed pre

1941 (Lot 5) + 1920 (Lot 6)

COORDINATES	POINT	ELEVATION
1000.00	1	100.00
1000.00	2	100.00
1000.00	3	100.00
1000.00	4	100.00
1000.00	5	100.00
1000.00	6	100.00
1000.00	7	100.00
1000.00	8	100.00
1000.00	9	100.00
1000.00	10	100.00



LAND TABULATION

APPROXIMATE SQUARE FEET AND SQUARE FEET PER ACRE WITHIN THE BOUNDARIES OF THE LOTS AS SHOWN ON THIS PLAT AND COMPARED WITH THE MOST RECENT AERIAL PHOTOGRAPHY AND SURVEY RECORDS OF THE COUNTY OF HOWARD.

SURVEYORS CERTIFICATE

WE, ROBERT L. GERRY AND BONNIE B. GERRY, SURVEYORS, HEREBY CERTIFY THAT THE PLAT, PART OF A CERTAIN SURVEY, IS CORRECT AND TRUE TO THE BEST OF OUR KNOWLEDGE AND BELIEF, AND THAT WE HAVE BEEN DULY SWORN TO AND SUBSCRIBED TO BY US AND OUR CO-SURVEYORS.

OWNERS CERTIFICATE

WE, JOHN C. WELLS AND BONNIE B. GERRY, OWNERS OF THE ABOVE DESCRIBED REAL ESTATE, HEREBY CERTIFY THAT THE PLAT, PART OF A CERTAIN SURVEY, IS CORRECT AND TRUE TO THE BEST OF OUR KNOWLEDGE AND BELIEF, AND THAT WE HAVE BEEN DULY SWORN TO AND SUBSCRIBED TO BY US AND OUR CO-OWNERS.

NOTES

1. THE BOUNDARIES OF THE LOTS SHOWN ON THIS PLAT ARE BASED ON THE SURVEY RECORDS OF THE COUNTY OF HOWARD, AND ARE SUBJECT TO ANY CORRECTIONS THAT MAY BE MADE BY THE COUNTY ENGINEER.

2. THE SURVEY RECORDS OF THE COUNTY OF HOWARD ARE AVAILABLE FOR INSPECTION AT THE OFFICE OF THE COUNTY ENGINEER, 1000 W. WYOMING AVE., BALTIMORE, MD. 21201.

3. THE SURVEY RECORDS OF THE COUNTY OF HOWARD ARE SUBJECT TO ANY CORRECTIONS THAT MAY BE MADE BY THE COUNTY ENGINEER.

4. THE SURVEY RECORDS OF THE COUNTY OF HOWARD ARE SUBJECT TO ANY CORRECTIONS THAT MAY BE MADE BY THE COUNTY ENGINEER.

5. THE SURVEY RECORDS OF THE COUNTY OF HOWARD ARE SUBJECT TO ANY CORRECTIONS THAT MAY BE MADE BY THE COUNTY ENGINEER.

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9. THE SURVEY RECORDS OF THE COUNTY OF HOWARD ARE SUBJECT TO ANY CORRECTIONS THAT MAY BE MADE BY THE COUNTY ENGINEER.

10. THE SURVEY RECORDS OF THE COUNTY OF HOWARD ARE SUBJECT TO ANY CORRECTIONS THAT MAY BE MADE BY THE COUNTY ENGINEER.

VICINITY MAP

QUARTER SECTION 1000

OWNER: JOHN C. WELLS AND BONNIE B. GERRY

DATE: 10-24-1985

SCALE: 1" = 100'

TAX MAP PARCEL NO. 293

HOWARD CO. MD.

10-24-1985

THIRD ELECTION DISTRICT

WARRIOTSVILLE ESTATES

LOTS 5 & 6

JOHN C. WELLS AND BONNIE B. GERRY, SURVEYORS

4100 BALTIMORE NATIONAL PIKE BALTO MD 21228

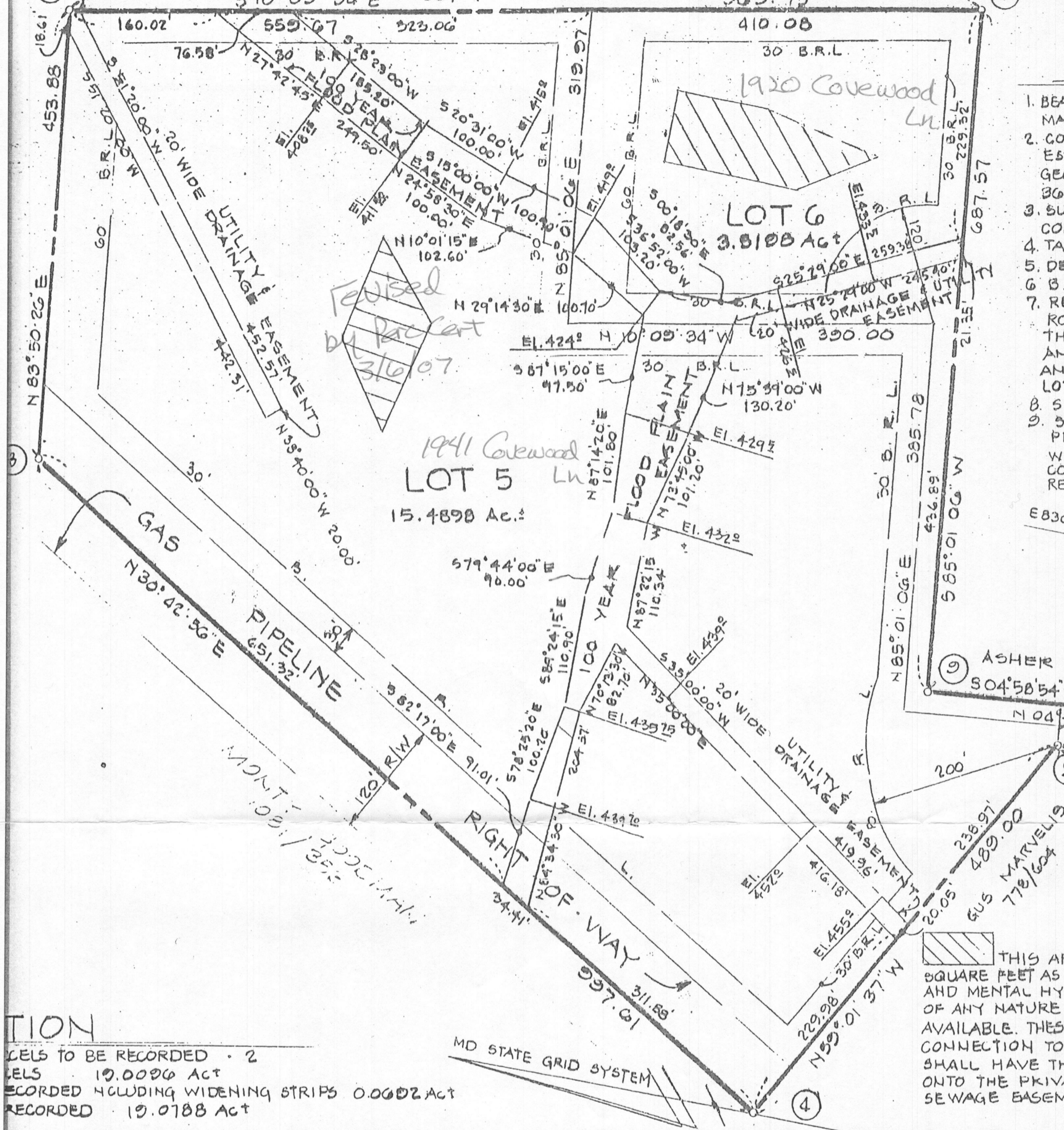
501 744-0880

MD. RTE. 99

VEHICLE TRAVEL RESTRICTED AT THIS POINT

489-70

MDR 52U 1971-3362 F-86-73



1. BEA...
2. COO...
3. SU...
4. TAX...
5. DE...
6. B...
7. RE...
8. S...
9. S...
10. WI...
11. CO...
12. RE...

NOTATION

LOTS TO BE RECORDED - 2
 LOTS 19.0000 ACT
 RECORDED INCLUDING WIDENING STRIPS 0.0002 ACT
 RECORDED 19.0788 ACT

PRIVATE SEWAGE
 MASTER PLAN
 HOWARD COUNTY

DATE _____
 CHIEF OF PLANNING _____
 DATE _____
 HEALTH AND PUBLIC
 DEPT OF _____
 DATE _____

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE FINAL PLAT SHOWN HEREON IS CORRECT; THAT IT IS A SUBDIVISION OF ALL OF THE LANDS CONVEYED BY PATRICIA BRUCE BONOVICH AND ROBERT P. BONOVICH TO ROBERT L. COVEY & BONNIE D. COVEY BY DEED DATED THE 22ND DAY OF JAN. 1985 AND RECORDED AMONG THE LAND RECORDS OF HOWARD COUNTY IN LIBER 1320 FOLIO 567, AND THAT ALL THE MONUMENTS ARE IN PLACE, OR WILL BE IN PLACE PRIOR TO THE ACCEPTANCE OF THE STREETS IN THE SUBDIVISION BY HOWARD COUNTY, AS SHOWN IN ACCORDANCE WITH THE ANNOTATED CODE OF MARYLAND, AS AMENDED.

John C. Mellema
 JOHN C. MELLEMA SR., MD REG #107 DATE 7-7-86

OWNER'S CERTIFICATE

WE, ROBERT L. COVEY AND BONNIE D. COVEY (OWNERS) OF THE PROPERTY SHOWN AND DESCRIBED ABOVE, DO HEREBY ADOPT THIS PLAN OF SUBDIVISION, AND IN CONSIDERATION OF THE APPROVAL OF THIS PLAT BY THE OFFICE OF PLANNING AND ZONING OF HOWARD COUNTY, MD ITS SUCCESSORS, WE GRANT TO HOWARD COUNTY THE RIGHT TO LAY, CONSTRUCT, AND MAINTAIN SEWER PIPES, AND OTHER MUNICIPAL UTILITIES & SERVICES IN ALL ROADS AND STREET RIGHT OF WAYS AND AREAS SHOWN HEREON; (2) THE RIGHT TO REQUIRE FOR PUBLIC USE THE BEDS OF THE STREETS AND PLAINS AND OPEN SPACE WHERE APPLICABLE AND OF VALUABLE CONSIDERATION, HEREBY GRANT THE HOWARD COUNTY TO ACQUIRE THE FEE SIMPLE INTEREST IN THE STREETS AND/OR ROADS AND FLOODPLAIN FACILITIES AND OPEN SPACE WHERE APPLICABLE; (3) THE RIGHT TO REQUIRE DEDICATION OF WATERWAY RIGHTS FOR THE SPECIFIC PURPOSE OF THEIR CONSTRUCTION AND MAINTENANCE; AND (4) THAT NO BUILDING OR STRUCTURE OF ANY KIND SHALL BE ERECTED ON OR OVER THE SAID STREETS AND/OR ROADS AND FLOODPLAIN FACILITIES.

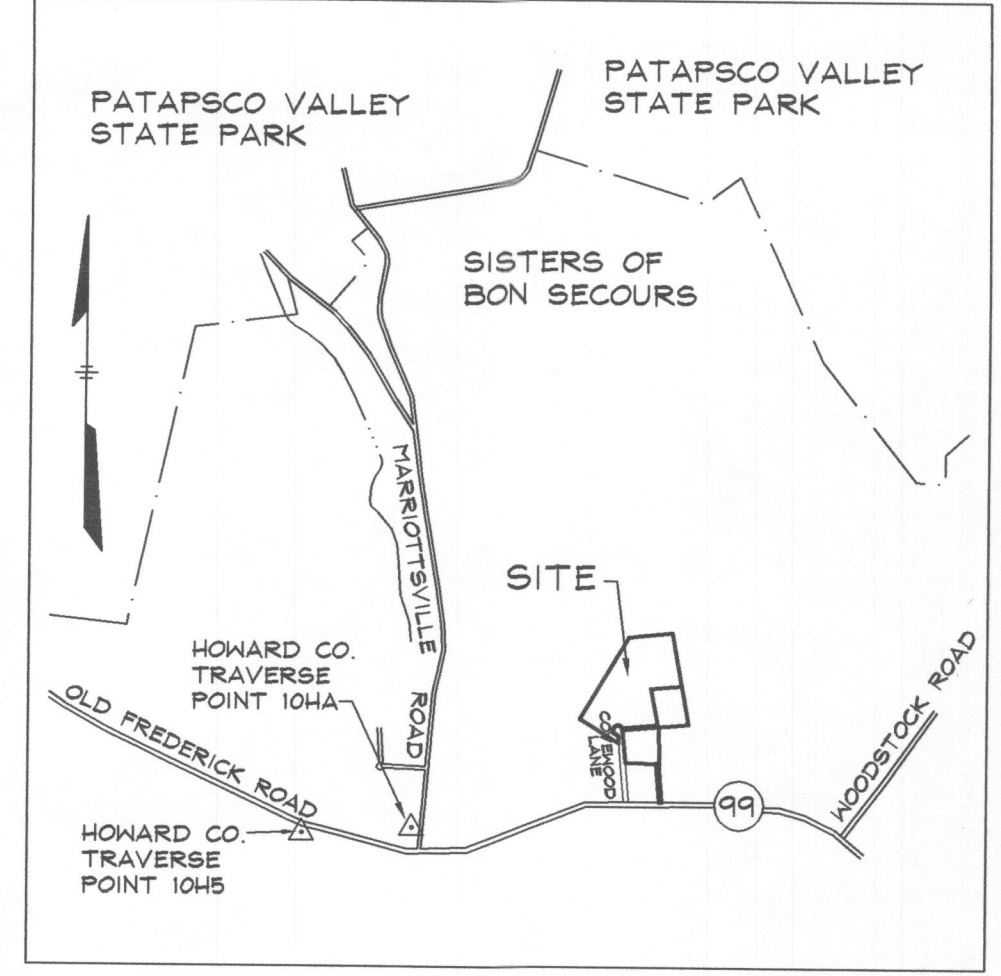
WITNESSED OUR HANDS THIS 7TH DAY OF JULY 1986

Robert L. Covey
 Bonnie D. Covey



DRAWING LEGEND

	EXISTING MINOR CONTOUR (2' INTERVAL)
	EXISTING MAJOR CONTOUR (10' INTERVAL)
	ADJACENT PROPERTY LINE
	EXISTING PROPERTY BOUNDARY
	EX. ROAD / EDGE OF PAVING
	EX. OVERHEAD ELECTRIC & UTILITY POLES
	EX. BUILDING
	PROPOSED BUILDING
	SLOPES > 25%
	PASSING CONVENTIONAL PERC TEST
	FAILED PERC TEST
	PASSING SAND MOUND TEST
	EXISTING SDA TO BE ABANDONED
	PROPOSED 1500 SF. WELL AREA
	PASSED TEST HOLES PER HO. CO. HEALTH DEPT. 1970'S



- #### GENERAL NOTES
- CONTRACTOR/BUILDER TO VERIFY ELEVATIONS IN FIELD BEFORE BEGINNING ANY CONSTRUCTION.
 - BUILDER TO VERIFY AVAILABILITY OF BASEMENT SEWER SERVICE PRIOR TO DWELLING STAKEOUT.
 - THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF 10,000 S.F. OR GREATER AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS SEWAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA.
 - EXISTING PROPERTY LIMITS SHOWN PER EXISTING RECORD PLATS.
 - THE TOPOGRAPHY SHOWN HEREON IS TAKEN FROM A PLAN ENTITLED 'MARRIOTTVILLE ESTATES, A RESUBDIVISION OF LOTS 5 & 6 (PLAT 6842)' PREPARED BY JOHN C. MELLEMA SR., INC. DATED JANUARY, 1999.
 - ALL WELLS NEED TO BE DRILLED PRIOR TO THE FINAL PLAT SIGNATURE. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED 'GOVERNMENT DELAY' IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
 - THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
 - ALL WELLS AND SEPTICS WITHIN 100' OF THE PROPERTY HAVE BEEN SHOWN FROM THE BEST AVAILABLE INFORMATION.
 - EXISTING HOUSES, WELLS AND SEPTIC SYSTEMS ARE TO REMAIN. EXISTING WELLS TO MEET CURRENT COMAR STANDARDS PRIOR TO FINAL PLAT SUBMISSION.
 - EXISTING WELL ON LOT II WILL NEED TO BE TESTED AND PROTECTIVE MEASURES INSTALLED PRIOR TO FINAL PLAT APPROVAL.
 - ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
 - LOTS HAVING UNEQUAL LENGTH TRENCHES WILL BE REQUIRED TO HAVE A LOW PRESSURE DOSE SYSTEM AND A PLAN DETAILING THE SYSTEM AT THE BUILDING PERMIT STAGE.
 - LOT 8 HAS A 5 BEDROOM LIMITATION.

SOILS CHART

CODE	NAME	HYDRIC (Y/N/INCL.)	K VALUE
Ba	BAILE SILT LOAM	Y	0.48
ChB2	CHESTER SILT LOAM, 3%-8% SLOPES, MODERATELY ERODED	N	0.32
GIB2	GLENELG LOAM, 3%-8% SLOPES, MODERATELY ERODED	N	0.32
GIC2	GLENELG LOAM, 8%-15% SLOPES, MODERATELY ERODED	N	0.32
GIC3	GLENELG LOAM, 8%-15% SLOPES, SEVERELY ERODED	N	0.32
GID3	GLENELG LOAM, 15%-25% SLOPES, MODERATELY ERODED	N	0.32
GnA	GLENVILLE SILT LOAM, 0%-3% SLOPES	INCLUSIONS	0.32
GnB2	GLENVILLE SILT LOAM, 3%-8% SLOPES, MODERATELY ERODED	INCLUSIONS	0.32
MIB2	MANOR LOAM, 3%-8% SLOPES, MODERATELY ERODED	N	0.37
MIC2	MANOR LOAM, 8%-15% SLOPES, MODERATELY ERODED	N	0.37
MIC3	GLENELG LOAM, 8%-15% SLOPES, SEVERELY ERODED	N	0.37
MID2	MANOR LOAM, 15%-25% SLOPES, MODERATELY ERODED	N	0.37
MID3	MANOR LOAM, 15%-25% SLOPES, SEVERELY ERODED	N	0.37

DATA SOURCES:
EX. SOIL INFORMATION SHOWN PER HOWARD COUNTY SOIL SURVEY BY USDA, DATED 1968.

DATA TABULATIONS

Existing Zoning: RCDEO
Soils Map Number: 9
Number of building sites: 5
Total Area of Site = 21.42 AC.

DeMario Design Consultants, Inc.
The Old Freshhouse, 66 East Main Street, Suite 200, Westminster, MD 21157
Phone: (410) 386-0560, Fax: (410) 386-0564, eMail: ddc@demariodesign.us

OWNER: ROBERT L. & BONNIE D. COVEY
DEVELOPER: 1941 COVEWOOD LANE, WOODSTOCK, MD 21163

SITE ADDRESS: 1910 & 1941 COVEWOOD LANE, WOODSTOCK, MD 21163

RESUBDIVISION OF MARRIOTTVILLE ESTATES PERCOLATION TEST PLAN

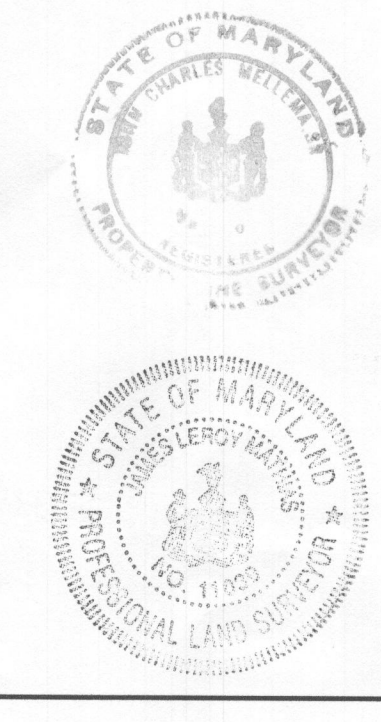
BRD ELECTION DISTRICT: HOWARD COUNTY, MD

REVISIONS			
NO.	DESCRIPTION OF CHANGES	DRN.	REV. DATE
1	ADDRESS HEALTH DEPT. COMMENTS	SDS	JAI 2/20/07
1	ADD NOTES, OLD PERC AREA LOT 7	SDS	JAI 1/18/07

CO. FILE #: F-86-73
DES. BY: JAI
TAX ACC. #: MULTIPLE
DRN. BY: SDS
TAX MAP: 10
CHK. BY: JLM
BLOCK / GRID: 23
DATE: 7/25/06
PARCEL #: 253 & 298
DDC JOB#: 05037.1
ZONE / USE: RC-DEO / RES
SHEET NUMBER:
DWG. SCALE: 1"= 100'
1 of 1

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS IN ACCORDANCE WITH THE MASTER PLAN OF HOWARD COUNTY

Robert J. Walden
HOWARD COUNTY HEALTH OFFICER
DATE: 3/6/07



I CERTIFY THAT THE PERC TEST LOCATIONS NOT LISTED BELOW SHOWN HEREON ARE BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John C. Mellem, Jr. 2.21.07
JOHN C. MELLEMA SR., INC.
PROPERTY LINE SURVEYOR #107
DATE

I CERTIFY THAT THE PERC TEST LOCATIONS FOR PERC HOLES 10, 11, 12, 14, 15, 15A, 300, 301, 302 & 303 SHOWN HEREON ARE BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

James L. Mathias 2/20/07
JAMES L. MATHIAS
PROFESSIONAL LAND SURVEYOR NO. 11029
DATE