

# APPLICATION

PERCOLATION TESTING

A 516525

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2640

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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 EDWINA S. DASCHUK

ADDRESS 10290 CAVEY LANE PHONE 410.465.8298

AGENT OR PROSPECTIVE BUYER HAILEY DEVELOPMENT

ADDRESS 3905 NATIONAL DRIVE SUITE 105 PHONE 301.476.7715

PROPERTY LOCATION:

SUBDIVISION DASCHUK Property LOT NO. 8

ROAD AND DESCRIPTION CAVEY LANE

TAX MAP 11 PARCEL # 32

SIZE OF LOT 1 ACRE TYPE BLDG. SFD  
(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. — Agent

(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

516525

COUNTY #

SOIL PROFILE

0' (634) / (633)

Rd Brn  
micaceous  
hvy Lm  
hvy SLm  
Rx 10-15%

4'

med  
grained  
beige  
SAND  
Rock  $\leq 5\%$

Bottom

13'

(631)

Rd brn  
Micaceous  
SLm  
5-10% Rx

5'

beige  
White  
SAND  
5-10%  
Rx

Bottom

13'

(635)

Strong brn  
y brn  
micaceous  
Lm



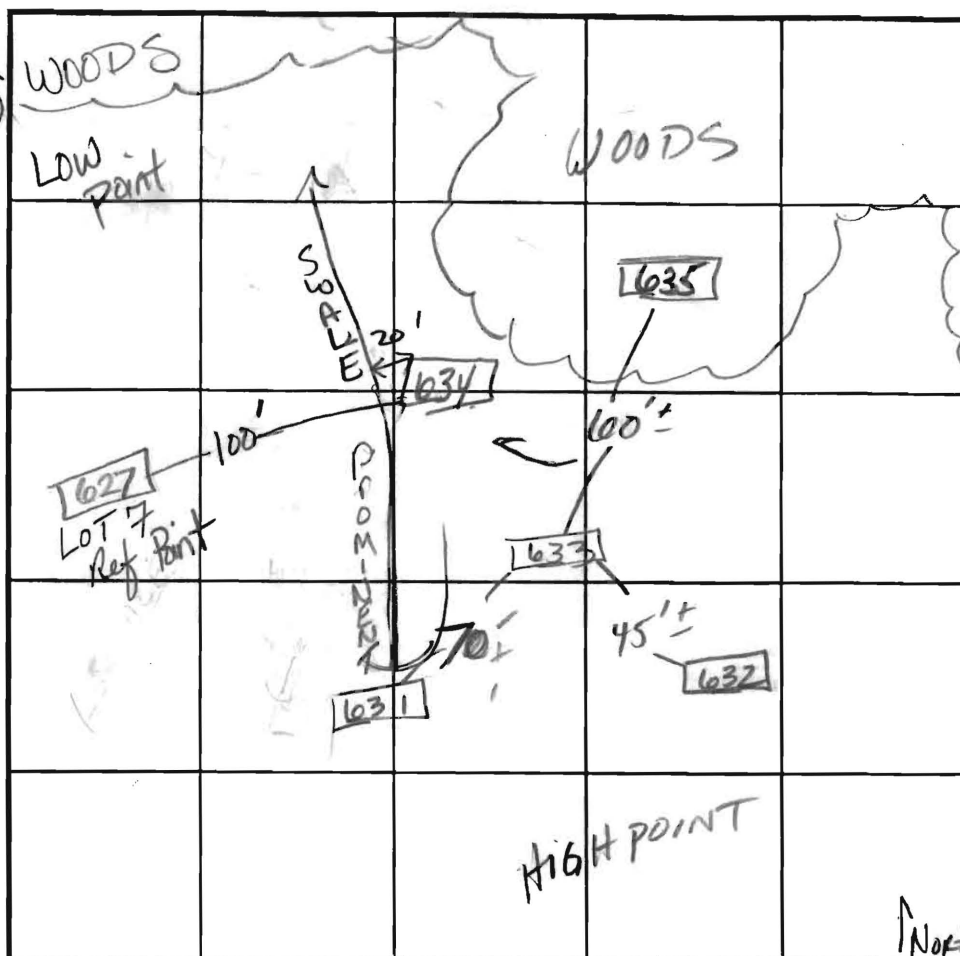
5 1/2'

beige  
SAND

5-10%  
Rx

Bottom

13'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' N (632) S  
DK brn  
hvy micaceous  
SLm

3

platy  
frags 35%  
5 1/2'

beige  
tan  
white  
SAND  
5-10%  
Fraggs  
Bottom

13'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
5-2-02	635	3' S / 13' V	12:18:10	12:19:25		12:21:11	145 min OK
	634	4' S / 13' V	11:34:21	11:43	"	12:01	18 min OK
	633	3' S / 13' V	Tony pulled the peg		12:23	12:40	~17 min OK
	632	3' S / 8' M / 13' V	11:50:27	11:54:16		11:58	4+ min OK
	631	4' S / 13' V	11:44:19	11:45:41		11:49:29	3+ min OK
OK w/ 12x12 hole	631	4' S / 13' V	12:45:31	12:46:12	"	12:47:45	1 1/2 min OK

REMARKS Holes per plan Location of holes close to plan  $\pm 10'$ 

TYPE OF SOIL

TESTED BY Kacie

ALSO PRESENT Tony Thometz

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

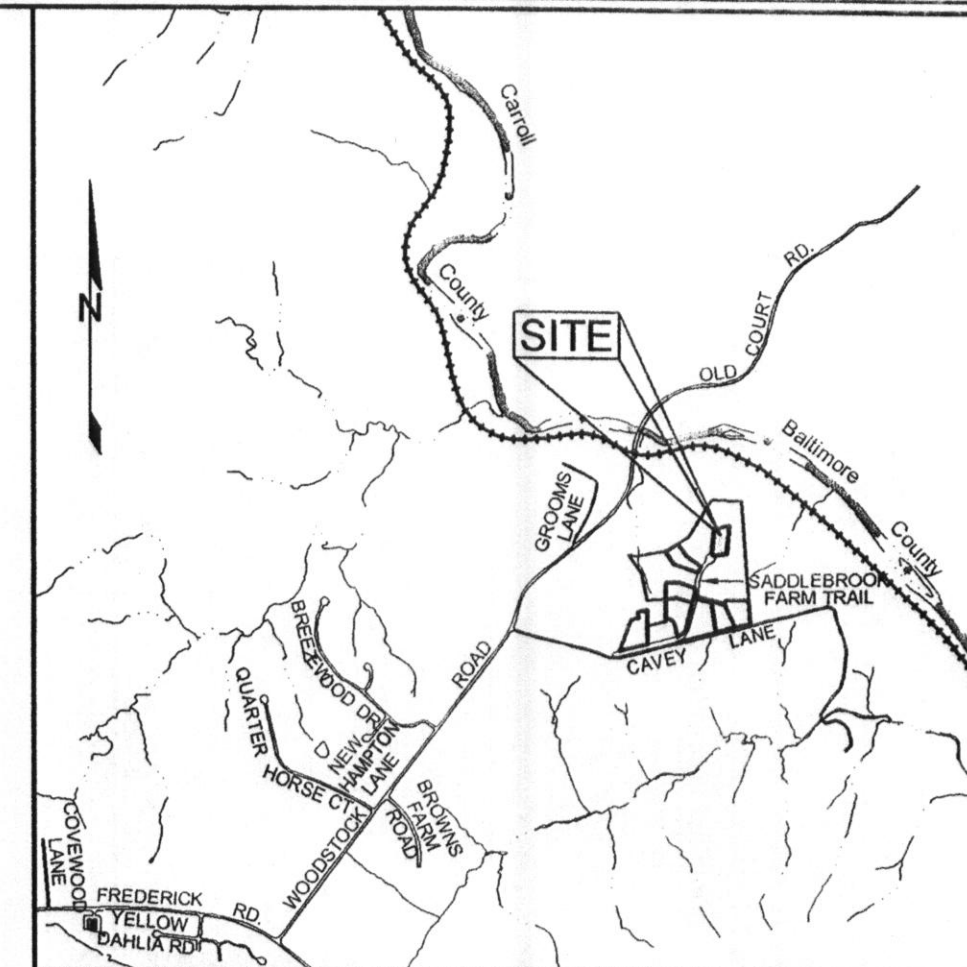
SQ. FT./BEDROOM



SEPTIC AREA CHART	
LOT / PARCEL	PREVIOUSLY APPROVED AREA
LOT 7	10,026 SQ. FT.

## LEGEND

EXISTING CONTOUR	---
PROPOSED CONTOUR	---
EXISTING SPOT ELEVATION	382.3
PROPOSED SPOT ELEVATION	+ 82.53
DIRECTION OF FLOW	→
EXISTING TREELINE	~~~~~
EXISTING PERCOLATION TEST HOLE, PASSED	⊙
EXISTING PERCOLATION TEST HOLE, FAILED	⊕
SOIL BOUNDARY	---



## VICINITY MAP

SCALE: 1"=2000'

## GENERAL NOTES

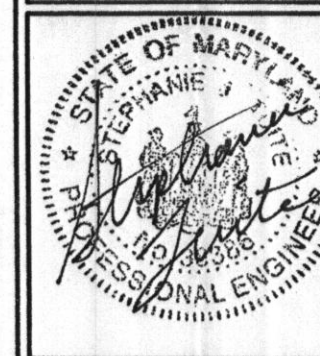
- SUBJECT PROPERTY ZONED RC-DEO PER 02/02/04 COMPREHENSIVE ZONING PLAN.
- TOTAL AREA OF PARCELS = 1.04 AC± (45,111 SQ. FT.).
- PRIVATE WATER AND PRIVATE SEWER WILL BE USED WITHIN THIS SITE.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT, OF AT LEAST 10,000 SF AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). 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 ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- BOUNDARY SHOWN HEREON IS BASED ON A BOUNDARY SURVEY PREPARED BY FSH, DATED FEBRUARY 2002.
- TOPOGRAPHY IS BASED ON A FIELD RUN TOPOGRAPHICAL SURVEY PERFORMED BY FSH, DATED FEBRUARY 2002 AND ROAD GRADING PROPOSED UNDER F-06-042. OFF-SITE AND NON-CRITICAL TOPOGRAPHY IS BASED ON HOWARD COUNTY AERIAL TOPOGRAPHIC MAPS WITH 5 FOOT CONTOURS.
- PROPERTY ADDRESS: 10165 SADDLEBROOK FARM TRAIL.
- DEED REFERENCE: LIBER 8920, FOLIO 421.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
- THE EXISTING WELLS SHOWN ON THIS PLAN, WELL TAG #95-0336, #95-0337, AND #95-0338 HAVE BEEN FIELD LOCATED BY SILL, ADCOCK & ASSOCIATES, LLC IN APRIL 2010 AND ARE ACCURATELY SHOWN.
- ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100 FEET OF THE PROPERTY BOUNDARIES AND ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWN-GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN FIELD LOCATED.
- NO GRADING, REMOVAL OF VEGETATIVE COVER OR TREES, PAVING AND NEW STRUCTURES SHALL BE PERMITTED WITHIN THE REQUIRED FOREST CONSERVATION EASEMENT AREAS.
- THERE ARE NO WETLANDS, FLOODPLAINS, HISTORIC STRUCTURES OR CEMETERIES LOCATED ON-SITE.
- FOREST CONSERVATION HAS BEEN PROVIDED FOR THESE LOT UNDER F-06-042.
- THE EXISTING FOREST CONSERVATION EASEMENT HAS BEEN ESTABLISHED TO FULFILL THE REQUIREMENTS OF SECTION 16.1200 OF THE HOWARD COUNTY CODE AND FOREST CONSERVATION ACT. NO CLEARING, GRADING OR CONSTRUCTION IS PERMITTED WITHIN THE FOREST CONSERVATION EASEMENT; HOWEVER, FOREST MANAGEMENT PRACTICES AS DEFINED IN THE DEED OF FOREST CONSERVATION EASEMENTS ARE ALLOWED.
- THE PREVIOUSLY APPROVED AMENDED PERCOLATION CERTIFICATION PLAN REVISED THE SEPTIC AREAS ON LOTS 7 AND 8 IN ORDER TO HAVE A MINIMUM OF 10 FEET BETWEEN THE SEPTIC EASEMENT AND THE PROPOSED CONCRETE LEVEL SPREADERS USED FOR STORMWATER MANAGEMENT PURPOSES.
- THE PURPOSE OF THIS PLAN IS TO REVISE THE LOCATION OF THE WELL BOX ON LOT 7 TO BE IN ACCORDANCE WITH THE SIGNED FINAL ROAD CONSTRUCTION PLANS AND TO ENCOMPASS THE FIELD LOCATED WELL LOCATION.

## AMENDED PERCOLATION CERTIFICATION PLAN

### SADDLEBROOK FARM LOT 7

TAX MAP 11 GRID 13  
3RD ELECTION DISTRICT

PARCELS 36 & 19  
HOWARD COUNTY, MARYLAND



## Sill · Adcock & Associates · LLC

Engineers · Surveyors · Planners  
3300 North Ridge Road, Suite 160  
Ellicott City, Maryland 21043  
Phone: 443.325.7682 Fax: 443.325.7685  
Email: info@saaland.com

DESIGN BY: SJT  
DRAWN BY: SJT  
CHECKED BY: PS  
SCALE: 1"=40'  
DATE: OCTOBER 1, 2010  
PROJECT #: 10-018  
SHEET #: 1 of 1

PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 36386, EXPIRATION DATE: JANUARY 12, 2012

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

## SOILS LEGEND

SYMBOL	NAME / DESCRIPTION	GROUP
GbB	GLADSTONE LOAM, 3 TO 8 PERCENT SLOPES	B
GbC	GLADSTONE LOAM, 8 TO 15 PERCENT SLOPES	B

## OWNER

SHALEHEARTH, L.C.  
6820 ELM STREET, SUITE 200  
MC LEAN, VIRGINIA 22101  
703.734.9730

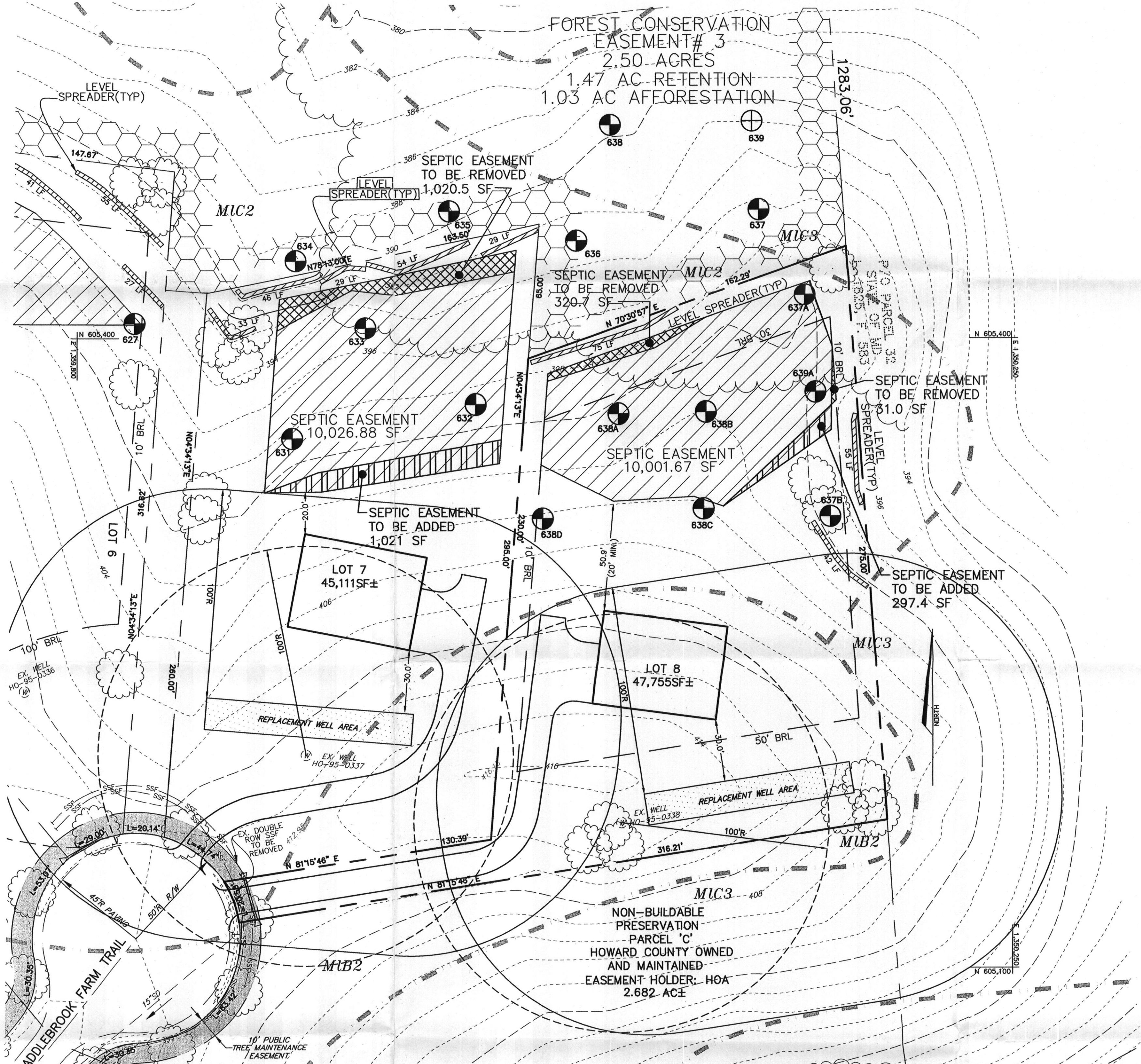
## DEVELOPER

NV HOMES  
6085 MARSHALLEE DRIVE, SUITE 130  
ELKRIDGE, MARYLAND 21075  
410.379.5956

*Bridgette Peter Brilewson* 10/1/2010  
COUNTY HEALTH OFFICER  
HOWARD COUNTY HEALTH DEPARTMENT



Date: 05/14/2007 User: sdenchik Drawing Path: c:\p2600\projects\saddlebrook Farms-HOW Cadd-06-01\3d\dwg\Plot Plans\dwg\06-05-01\3d-Per-Cert-Plan-7&8.dwg XREF File(s): \Saddlebrook-Proposed Base.dwg \Saddlebrook-Base.dwg



SCALE : 1"=30'

SOILS DESCRIPTION	
SYMBOL	DESCRIPTION
MIB2	MANOR LOAM, 3 TO 8 PERCENT SLOPES, MODERATELY ERODED
MIC2	MANOR LOAM, 8 TO 15 PERCENT SLOPES, MODERATELY ERODED
MIC3	MANOR LOAM, 8 TO 15 PERCENT SLOPES, SEVERELY ERODED

**LEGEND**

SEPTIC EASEMENT

WELL REPLACEMENT AREA

EXISTING WELL

PASSED PERC HOLE

FAILED PERC HOLE

SOILS BOUNDARY

EXISTING TREELINE

**GENERAL NOTES**

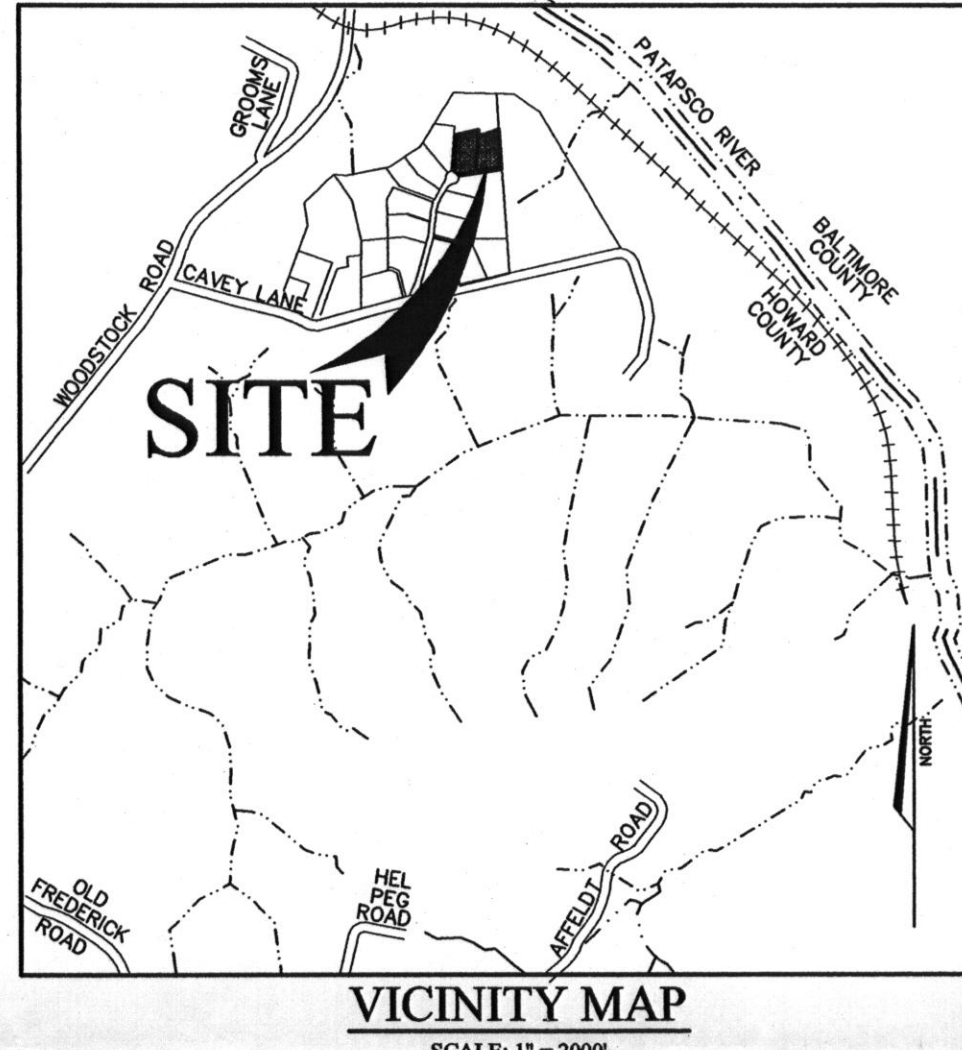
- TAX MAP: 11, PARCEL: 19, BLOCK: 13, LOTS 7 & 8  
ELECTION DISTRICT: THIRD  
ZONING: RC-DEO  
DEED REFERENCE: 8920/421  
DPZ FILES: F-06-042, SP-03-10, WP-03-148  
LOT AREA: 2.13 ACRES
- SUBJECT PROPERTY ZONED RC-DEO PER THE 02/02/2004 COMPREHENSIVE ZONING PLAN.
- COORDINATES BASED ON NAD '83 MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 101A & 17AB.  
STA NO. 101A= N 600,995.112, E 1,345,340.402 ELEV=442.707  
STA NO. 17AB= N 598,435.251, E 1,348,615.251 ELEV=509.178
- TOPOGRAPHIC DATA SHOWN HEREON IS BASED ON ROAD PLANS FILED UNDER F-06-042 AND A FIELD RUN TOPOGRAPHIC SURVEY CONDUCTED IN FEBRUARY 2002 BY FSH ASSOCIATES. BOUNDARY SHOWN HEREON IS BASED ON FIELD RUN MONUMENTED BOUNDARY SURVEY PERFORMED ON OR ABOUT FEBRUARY 2002 BY FSH ASSOCIATES.
- ALL AREAS ARE MORE OR LESS.
- THIS SUBDIVISION IS NOT IN THE METROPOLITAN DISTRICT. PRIVATE WELL AND SEPTIC SYSTEMS WILL BE UTILIZED. GROUNDWATER APPROPRIATION PERMIT NUMBER: H020050008(01). SOME OF THE WELLS ARE KNOWN TO HAVE LEVELS OF GROSS ALPHA AND/OR GROSS BETA ABOVE CURRENT EPA STANDARDS AND WILL REQUIRE APPROPRIATE TREATMENT PRIOR TO USE AND OCCUPANCY.
- NO GRAVES, CEMETERIES, OR HISTORIC STRUCTURES EXIST ON-SITE. SITE IS NOT ADJACENT TO A DESIGNATED SCENIC ROAD.
- THIS LOT SHOWN HEREON COMPLES WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQ.FT. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL (COMAR 26.04.03). 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 ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECONSTRUCTION OF THE MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
- THE EXISTING WELLS (TAG # HO-95-0337 & HO-95-0338) HAVE BEEN FIELD LOCATED BY HARMS PROFESSIONAL LAND SURVEYOR AND IS ACCURATELY SHOWN.
- ANY CHANGES TO A PRIVATE SEWAGE PLAN SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- PER HEALTH DEPARTMENT REQUIREMENTS, THE EXISTING WELL AND A WELL AREA WITH TWO POTENTIAL REPLACEMENTS, HAVE BEEN SHOWN FOR EACH LOT.
- TO THE BEST OF OUR KNOWLEDGE, ALL EXISTING SEPTIC AND WELLS WITHIN 100 FEET OF THE PROPERTY LINE HAVE BEEN SHOWN.
- THE PURPOSE OF THIS REVISED PERC CERTIFICATION PLAN IS TO REVISE THE SEPTIC AREAS ON LOTS 7 AND 8 IN ORDER TO HAVE A MINIMUM OF 10 FEET BETWEEN THE SEPTIC EASEMENT AND PROPOSED CONCRETE LEVEL SPREADERS USED FOR STORMWATER MANAGEMENT PURPOSES.

**DEVELOPER**  
SHALEHEARTH, L.C.  
6820 ELM STREET, SUITE 102  
MCLEAN, VIRGINIA 22101  
(703)-734-9730

**BUILDER**  
CRAFTMARK HOMES  
6820 ELM STREET, SUITE 102  
MCLEAN, VIRGINIA 22101  
(703)-287-0582

APPROVED FOR PRIVATE WELL AND PRIVATE SEWERAGE SYSTEMS.

*William for Peter Bilenansen, MD* 5/23/2007  
HOWARD COUNTY HEALTH OFFICER *at* 176/08 DATE



**HARMS**  
ENGINEERS • PLANNERS • SURVEYORS  
FREDERICK, MARYLAND 21701  
Office 301/631-2027 FAX 301/631-2028

NO.	REVISION	BY	DATE

**SADDLEBROOK FARMS, LOTS 7 & 8**  
**10165 & 10164 SADDLEBROOK FARM TRAIL**  
**REVISED PERC CERTIFICATION PLAN**  
TAX MAP 11 - PARCEL 19 - BLOCK 13  
THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND

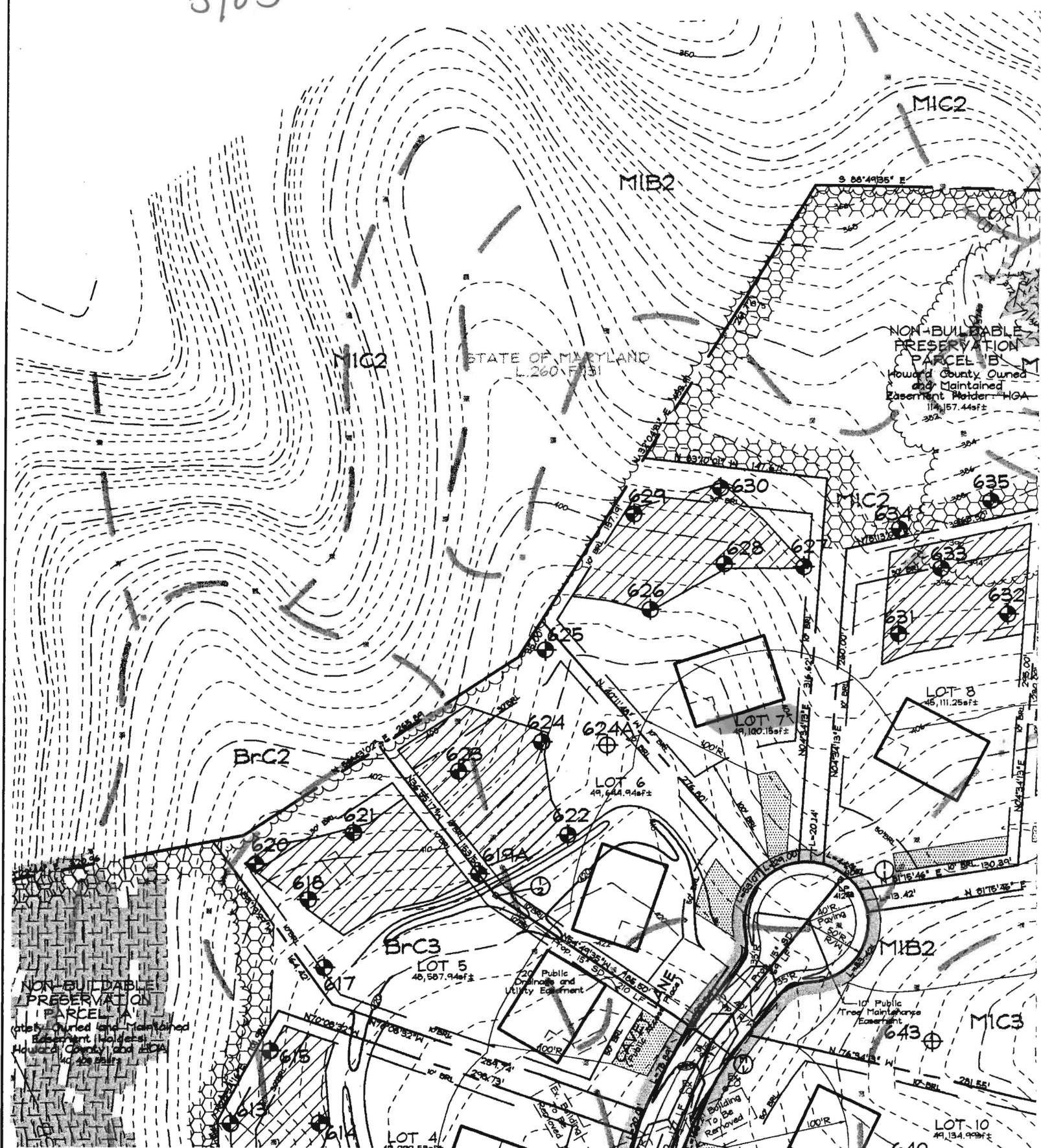
DESIGNED BY: SJD  
DRAWN BY: SIN  
CHECKED BY: MSC  
DATE: MAY 2007  
W.D. NO. 08-05-013A

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1 OF 1

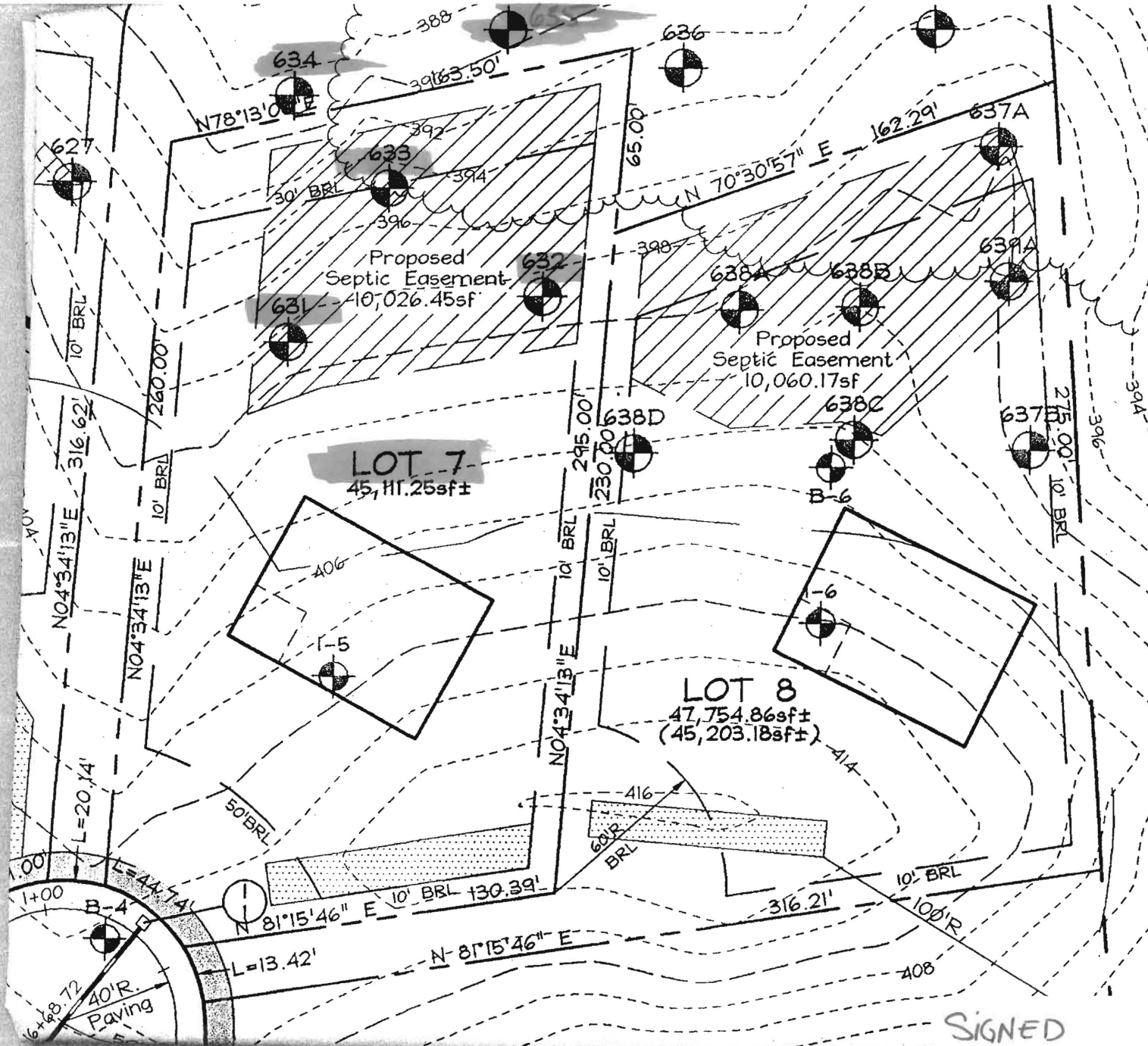


Signed  
P. cert  
5/03





STATE  
L 1825



SIGNED  
SP-03-10