

APPLICATION

PERCOLATION TESTING

A 518543

P _____

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

DISTRICT _____

DATE 2/12/2003

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 The Estate of Elizabeth Smith c/o Charles Slade, Personal Representative

ADDRESS 10450 Shaker Dr., Ste 112 Columbia, MD 21046 PHONE _____

AGENT OR PROSPECTIVE BUYER MacBeth Farm, LLC

ADDRESS 8808 Centre Pk. Dr., Ste 209 Columbia, MD 21045 PHONE 410.964.5522

PROPERTY LOCATION:

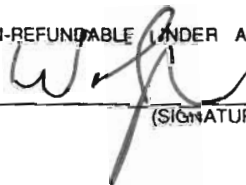
SUBDIVISION MacBeth Farm LOT NO. 1

ROAD AND DESCRIPTION MD Rt. 108 Clarksville, MD- Approximately 1 mile south of the Guilford Rd./
Rt. 108 intersection

TAX MAP 34 PARCEL # p/o 90

SIZE OF LOT 1 Acre TYPE BLDG. Single Family Dwelling
(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

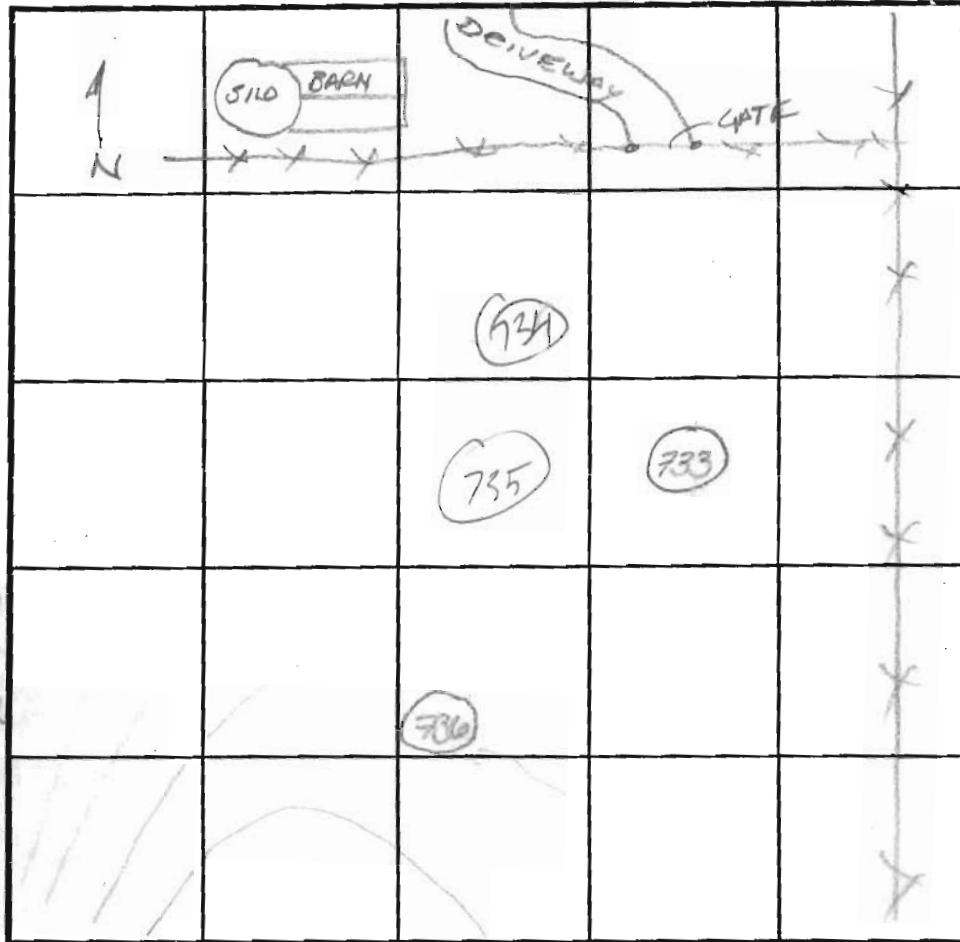
COUNTY #

SOIL PROFILE

0' 736
 DK Brown
 TOP SOIL 6"
 Brown
 Loam 1'
 DK Brown
 Gravely
 Clay loam 3'
 Brown
 Sil Loam 5'
 Gravely
 Loamy
 Sand 10-15"
 Cobby
 Quartz
 frag 15-20"

733
 DK Brown
 TOP SOIL 4"
 DK Brown
 TOP SOIL 10"
 Brown
 Sil Clay
 Loam 4'
 Brown
 Sil Loam 5'
 Rock
 Pocket 7'
 Brown
 Sil Loam 8'
 20-30%
 COBBLE QUARTZ
 14"

734
 Brown
 yellow
 brown
 SCL 3 1/2'
 fine
 micaceous
 orange
 brown
 SL 14'



SOIL PROFILE

0' 735
 Coarse
 orange
 brown
 SCL 2 1/2'
 heavy brown
 micaceous
 L
 fine
 micaceous
 orange
 brown
 SL 4/15-20%
 coarse
 frags 12'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
4/30/03	736	4' / 13'	2:36	2:43	2:43	2:51	8min
	733	7' / 14'	2:40	2:42	2:42	2:44	2min
7/10/03	734	4 / 14	9:12	9:14	9:14	9:17	3
7/10/03	735	12V	good @	4'			2-7

REMARKS _____
 TYPE OF SOIL _____
 TESTED BY JB/FA ALSO PRESENT _____
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

COUNTY #

SOIL PROFILE

0' 737

Coarse
orange brown
SCL
micaceous

3 1/2'

heavy coarse
orange brown
micaceous
SiCL w/ 10-15%
coarse cherty
Qtz fons

5'

orange brown
micaceous
SL

13'

Dark Brown

739

heavy
orange
brown
SCL

3'

fine
micaceous
SL

w/ 5-10%
coarse
frag-

13'

743

orange brown
SiCL

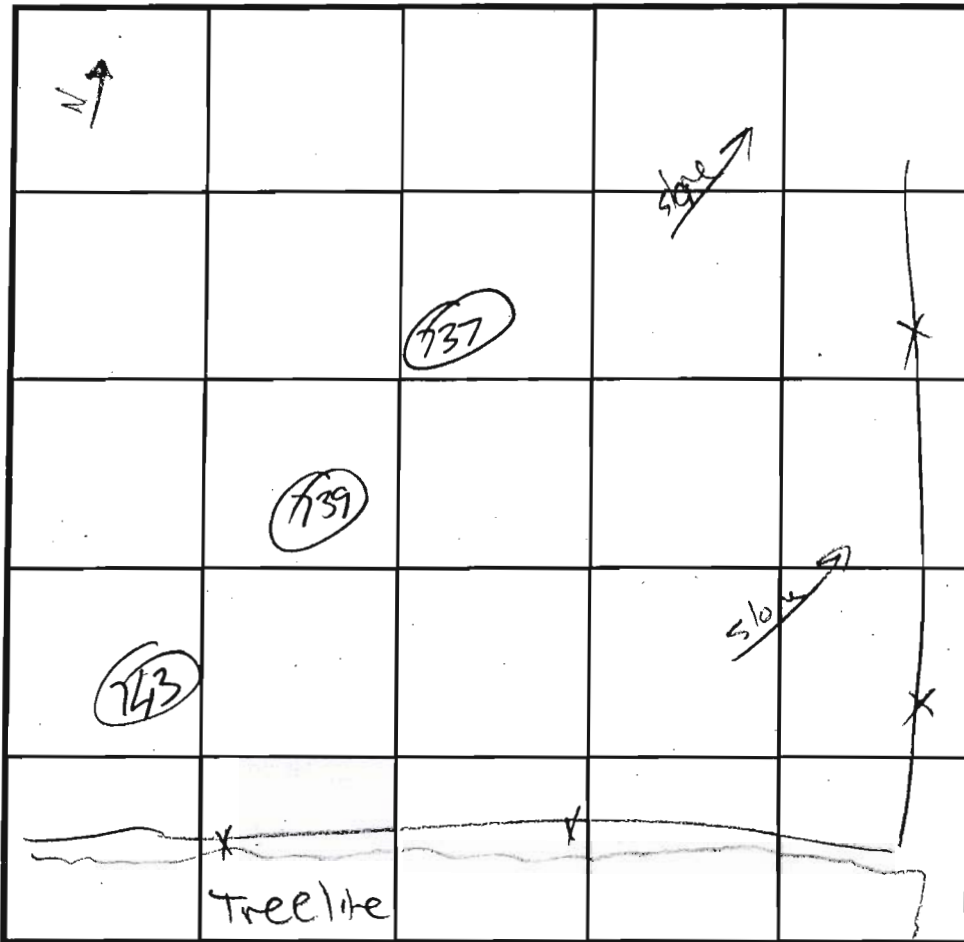
3'

orange brown
L

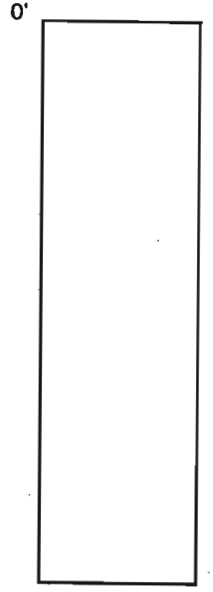
4'

fine
orange brown
micaceous
SL

13 1/2'



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7/10/03	737	5 / 13	9:25	9:31	9:31	9:38	7 ok
7/10/03	739	13V	ok @ 3'				2-7
7/10/03	743	5 / 13 1/2	9:46	9:47	9:47	9:50	3 ok

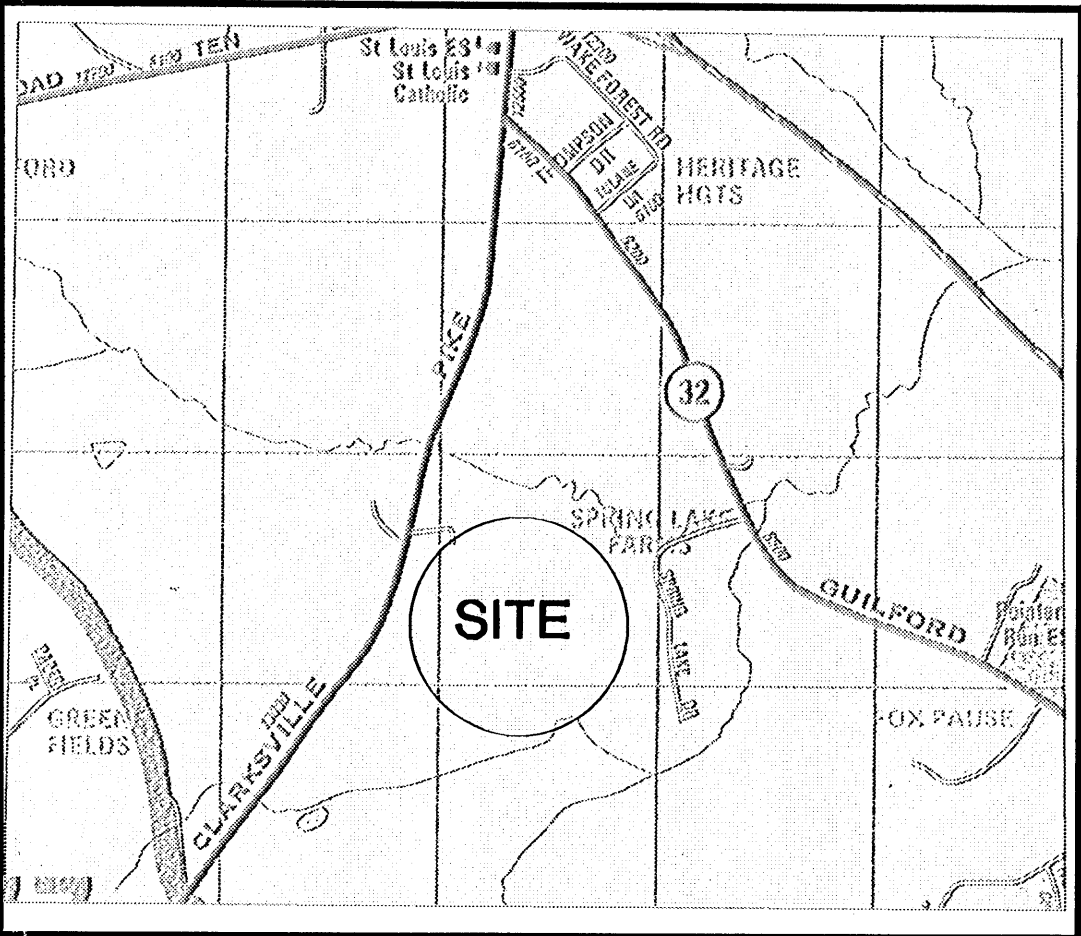
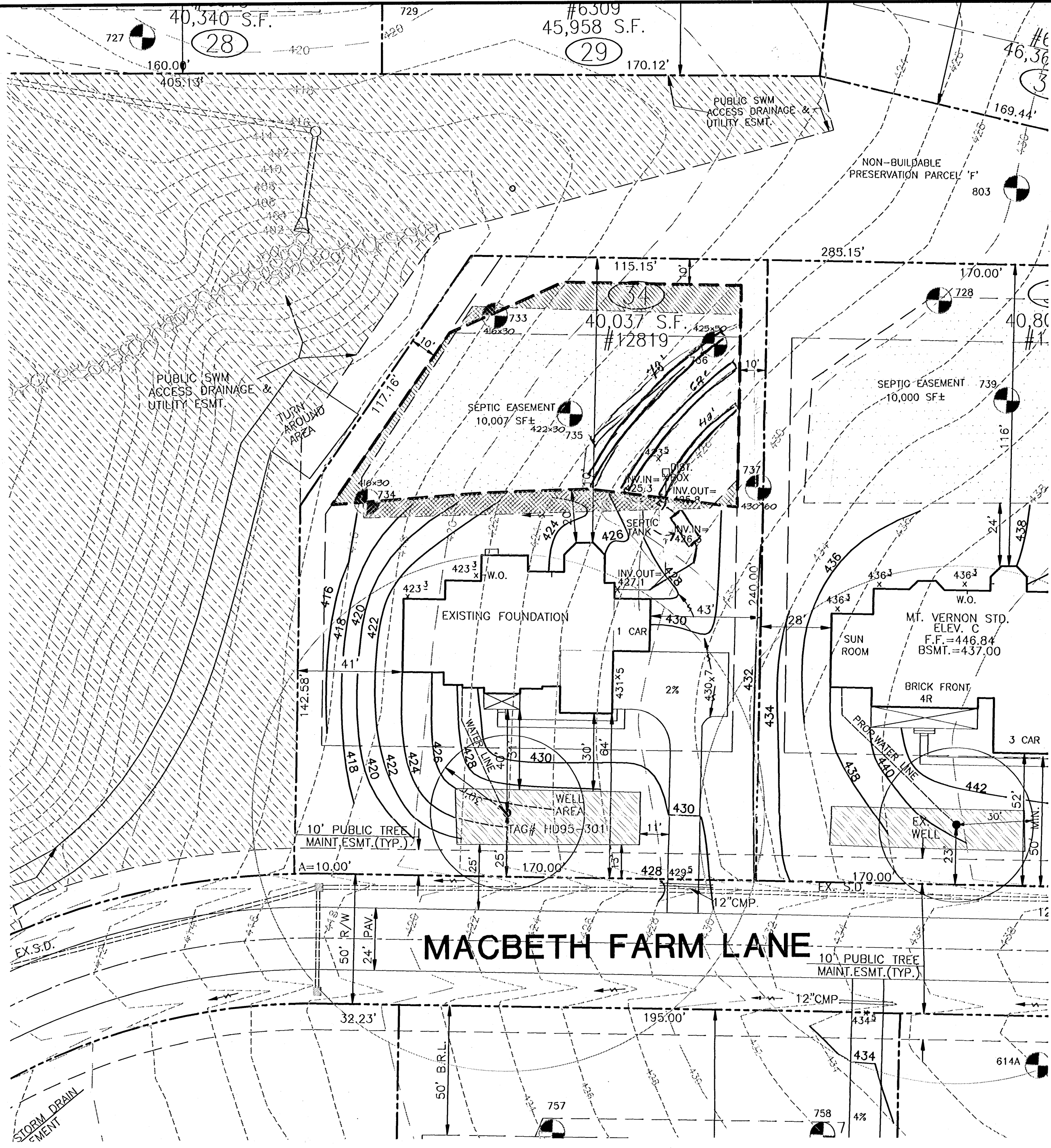
REMARKS _____

TYPE OF SOIL _____

TESTED BY J. Boeis ALSO PRESENT _____

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____



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PERMITTED USE NO. 20706143

VICINITY MAP

LEGEND

- F.F. 00.00 FINISHED TOP OF FIRST FLOOR ELEVATION.
- BSMT. 00.00 FINISHED TOP OF BASEMENT FLOOR SLAB.
- 000X0 PROPOSED GROUND ELEVATION AT WALKOUT CONDITIONS.
- W.O. GROUND SPOT ELEVATION.
- 00X0 STANDARD OR REVISED "UNIT DESIGNATION FROM ARCHITECTURAL PLANS."
- SR NUMBER OF RISERS - 7 1/2" EACH (INCLUDING 3 RISERS INTO HOUSE)
- W/W WINDOW WELL REQUIRED FOR BASEMENT WINDOWS IN REAR.
- 000 PROPOSED 2 FT. CONTOUR.
- 000 EXISTING 2 FT. GROUND CONTOUR.
- 000 EXISTING 10 FT. GROUND CONTOUR.
- DRAINAGE FLOW IN SWALE
- PROPERTY LINE
- RIGHT-OF-WAY LINE
- CURB AND GUTTER.
- EXISTING STORM DRAINS.
- EASEMENT LINE
- MINIMUM BUILDING SETBACK LINE
- NON-TIDAL WETLANDS LINE
- 25 FT. WETLANDS BUFFER LINE
- 75 FT. WETLANDS BUFFER LINE
- EXISTING STORM DRAIN INLET.
- STORM DRAIN OUTFALL (W/ AGGREGATE)
- DENOTES EXISTING SEPTIC EASEMENT
- DENOTES AREA OF PROPOSED SEPTIC EASEMENT TO BE ADDED.
- DENOTES AREA OF EXISTING SEPTIC EASEMENT TO BE ABANDONED.
- PERCOLATION TEST PIT-PASSED
- PERCOLATION TEST PIT-FAILED

NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS EASEMENT 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 EASEMENT. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.
2. EXISTING GRADING SHOWN IS FIELD RUN TOPO BY MRA ON 04/02/07
3. PERCOLATION TEST FEE RECEIPT NUMBER - A518543
4. ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
5. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT.
6. ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEPTIC RESERVE AREAS ON AND WITHIN 100 FEET OF THE PROPERTY AND 200 FEET DOWNSLOPE HAVE BEEN SHOWN.

OWNER
NVR, INC.
6085 MARSHALEE DRIVE, SUITE 130
ELKRIDGE, MARYLAND 21075
PH: 410-379-5956

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. 0000000, EXPIRATION DATE: 11/1/09
6/16/09



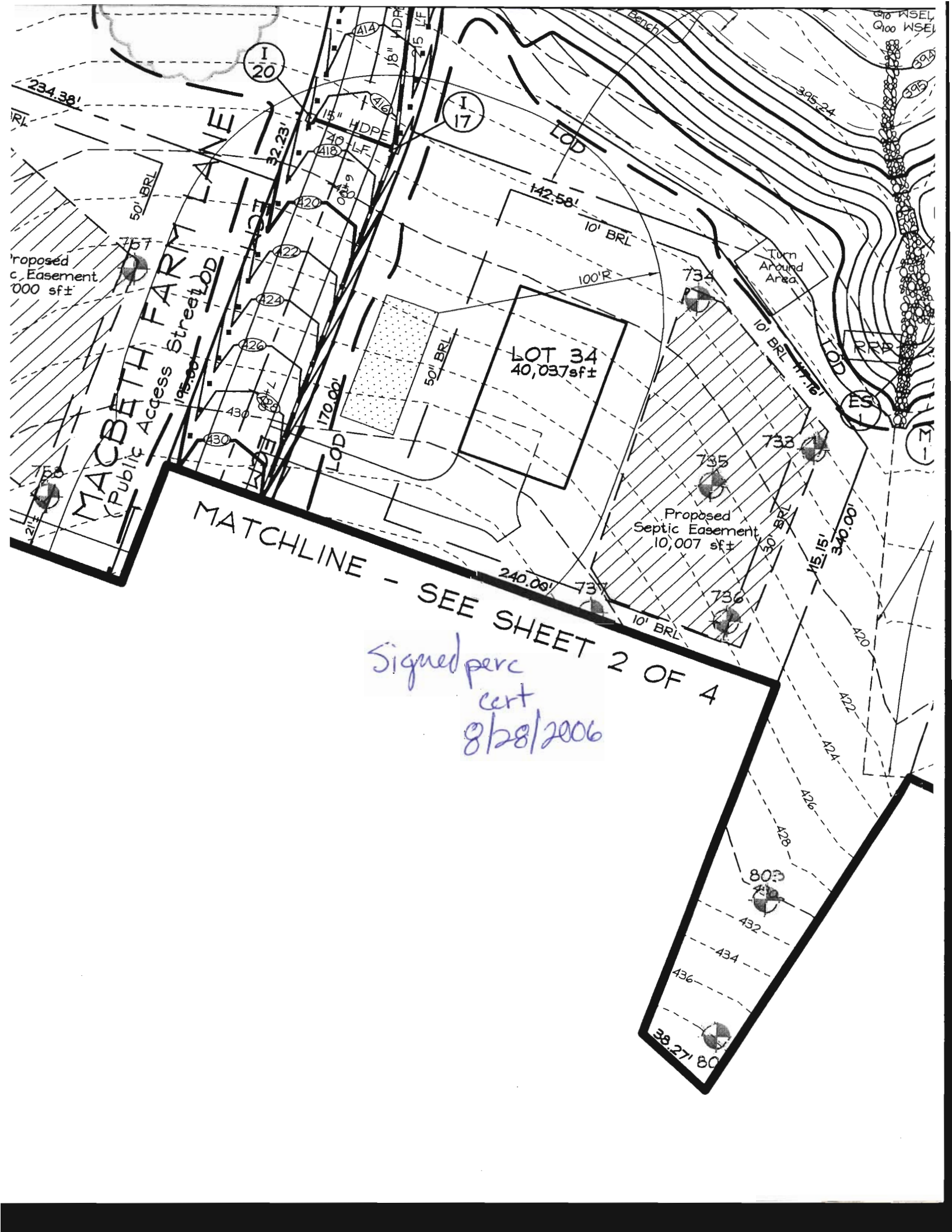
MORRIS & RITCHIE ASSOCIATES, INC.
ENGINEERS, ARCHITECTS, PLANNERS, SURVEYORS & LANDSCAPE ARCHITECTS
3445-A BOX HILL CORPORATE CENTER DRIVE
ABINGDON, MARYLAND 21009
(410) 879-1690 - (410) 836-7560
FAX (410) 879-1820



REVISED PERCOLATION CERTIFICATION PLAN FOR
MACBETH FARMS
LOT 34 #12819 MACBETH FARM LANE

APPROVED: FOR PRIVATE WATER AND SEWERAGE SYSTEMS
COUNTY HEALTH OFFICER
HOWARD COUNTY HEALTH DEPARTMENT
DATE
GAC

DATE	REVISIONS	JOB NO.:	SCALE:
10-31-07	REVISE WELL AREA PER COUNTY COMMENTS;	14948	1"=30'
10-31-07	REVISE STATEMENT IN HEALTH OFFICERS SIGNATURE BLOCK.		DATE: 10-02-07
			DRAWN BY: TB
			DESIGN BY: TB
			REVIEW BY: JT
			SHEET: 1 OF 1



Proposed
c. Easement
10,000 sq ft

MACBETH FARM LANE
(Public Access Street)

LOT 34
40,037 sq ft

Proposed
Septic Easement
10,007 sq ft

MATCHLINE - SEE SHEET 2 OF 4

Signed perc
cert
8/28/2006

**NON-BUILDABLE
PRESERVATION PARCEL**

For Stormwater Management
HOA Owned and Maintained,
Easement Holder
Howard County, Maryland
2.871 Ac.±

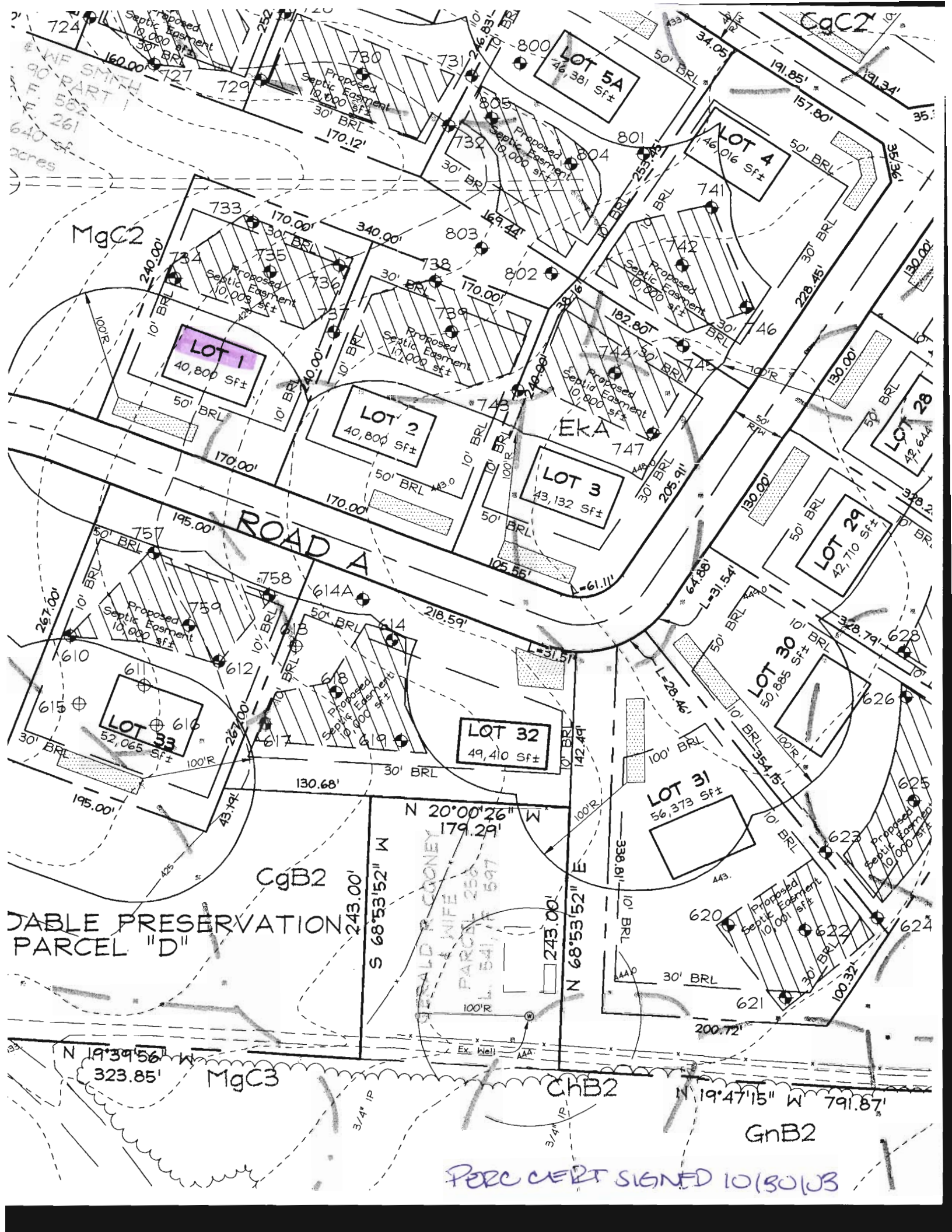
LOT 34
40,037sf±

Proposed
Septic Easement
10,007 sf±

MATCHLINE - SEE SHEET 2 OF 4

REVISED PERC CERT
SIGNED 8/28/06





PERC CERT SIGNED 10/30/03