

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ A/P _____

AGENCY REVIEW: _____ DATE _____

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 _____ 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) MAIN STREET BUILDERS

DAYTIME PHONE (410) 796-2003 CELL (443) 250-3795 FAX NA

MAILING ADDRESS 5705 LANDING ROAD ELKRIDGE, MD 21075
STREET CITY/TOWN STATE ZIP

APPLICANT JEREMY RUTTER

DAYTIME PHONE (410) 489-7900 CELL (410) 982-2882 FAX (410) 489-9768

MAILING ADDRESS P.O. BOX 482 LISBON, MD 21765
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME N/A LOT NO. PARCEL 3

PROPERTY ADDRESS 1564 LONG CORNER ROAD MOUNT AIRY, MD 21771
STREET TOWN/POST OFFICE

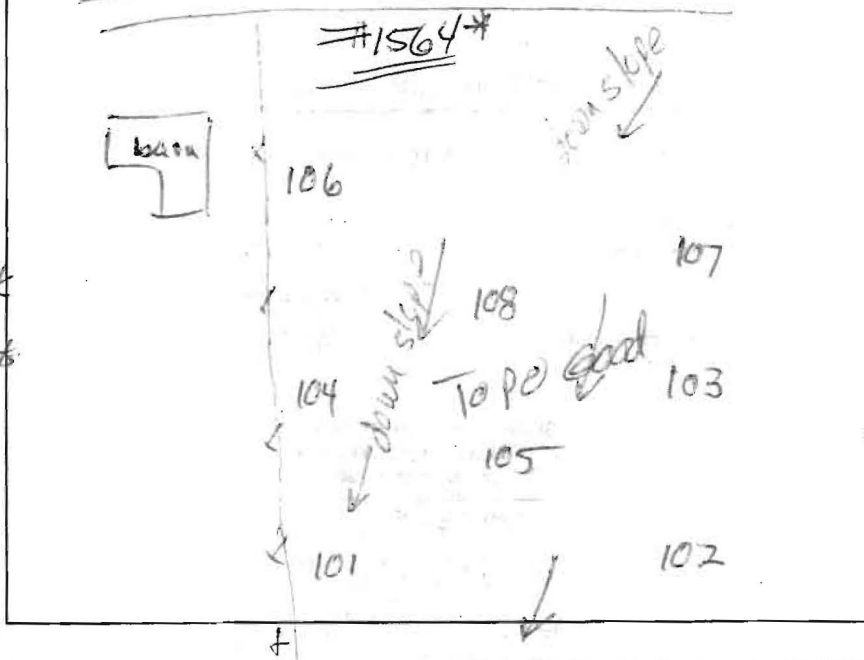
TAX MAP PAGE(S) 6 GRID 10 PARCEL(S) 83 PROPOSED LOT SIZE 1.49±

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.

Jeremy Rutter
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
 1718 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
 TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

Long Corner Rd



101 & 102
grey-brn loam
yel-brn chel
yel brn vch loam
brn vfl loam
8.5' > 50% rock
quartzite
components

108
yel brn chel
2.5' yel brn vch loam
5.3' yel vchsl
brn vchsl
10.5' red k l vchsl

107
0.7' dk grey loam
yel-brn chel
2' yel-brn vch vfl loam
4.5' yel & red vchsl
11' Hard Bottom
> 50% rock

105
0.3' dk grey-brn loam
yel brn chel
4.3' yel-brn vch chel
brn vch loam
7' 40%
brn vch loam
11' 45% 50%
Hard floppy, very slow infiltration

103 & 104
3.5' yel-brn chel
yel-brn vch loam
5.3' yel vchsl
brn vchsl
10.5' Hard, > 50% rock

106
0.7' dk grey loam
yel-brn chel
1' yel-brn vch loam
4.5' red vchsl
brn vchsl
11' Hard > 50% rock

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/6/09	101	4' / 8.5'	9:44	10:27	<< 1"		F
1/6/09	102	4.5' / 8.5'	9:55	10:27	<< 1"		F
1/6/09	103	5' / 10.5'	10:05	10:35	<< 1"		F
1/6/09	105	6.3' / 11'	0	1.7	4.7	3	P
1/6/09	103	6.3' / 11'	0	19	47	28	P
1/6/09	104	5' / 10.5'	10:45	11:15	<< 1"		F
1/6/09	106	5' / 11'	11:4	18.4	40.9	21.5	P
1/6/09	107	5.5' / 11'	11:12	11:20	11:30	10	P
1/6/09	104	6.3' / 10.5'	11:23	11:26	11:31	5	P
1/6/09	108	11'	Visual	good	11:55	11:55	P

REMARKS: Lot of Record
 SANITARIAN: RB BACKHOE: Chuck Zepp OTHERS: Tim Fager, Jeremy Ruter
 TEST HOLES USED IN SDA: _____ AVG. PERC TIME: _____ SQ. FT/BR: _____
 TRENCH WIDTH: _____ INLET DEPTH: _____ MAX. BOT DEPTH: _____ EFFECTIVE S/W: _____

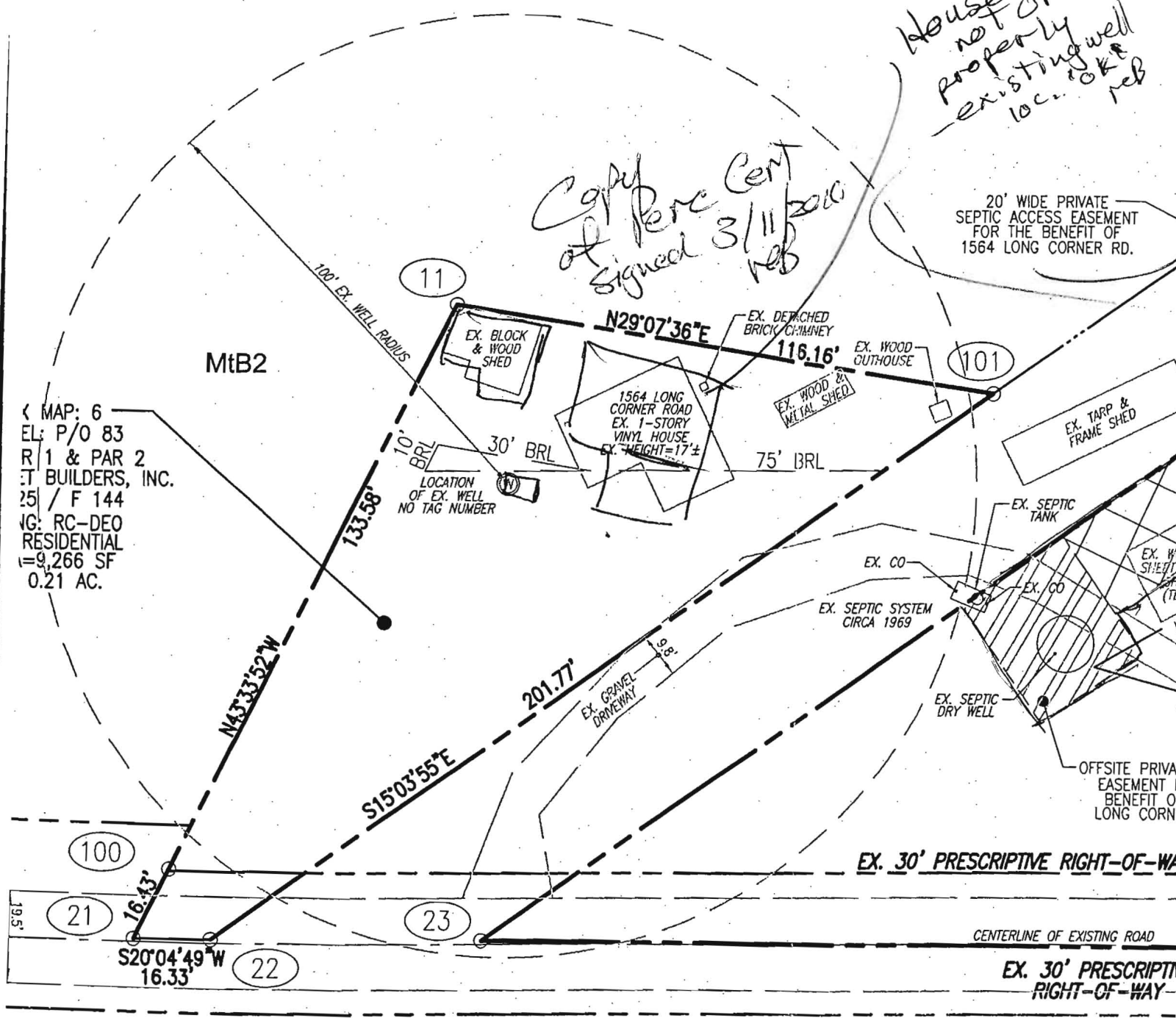
House not oriented properly existing well location OK

Copy Perc Cert signed 3/11/2010

20' WIDE PRIVATE SEPTIC ACCESS EASEMENT FOR THE BENEFIT OF 1564 LONG CORNER RD.

MtB2

MAP: 6
EL: P/O 83
R1 & PAR 2
T BUILDERS, INC.
25 / F 144
JG: RC-DEO
RESIDENTIAL
= 9,266 SF
0.21 AC.

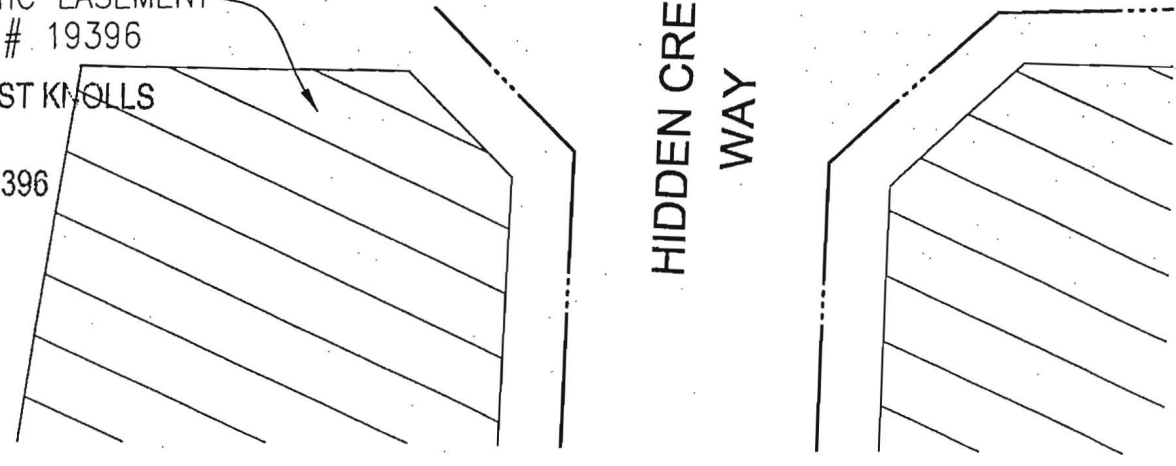


EX. SEPTIC EASEMENT
PLAT # 19396

WINDSOR FOREST KNOLLS
LOT 2
PLAT # 19396

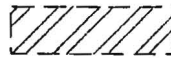
HIDDEN CREEK
WAY

E 1268100
N 6006300



(WELL)

PROPOSED WELL LOCATION



PROPOSED OFFSITE PRIVATE SEPTIC EASEMENT

SEPTIC SYSTEM DESIGN

1564 LONG CORNER ROAD

NUMBER OF BEDROOMS: 3

SQUARE FEET OF TRENCH: 450GPD/0.8=563

TRENCH LENGTH (WIDTH ADJUSTMENT): 563/3(TRENCH WIDTH)=188LF

TRENCH LENGTH (DEPTH ADJUSTMENT): 188x0.62=116LF PER SYSTEM

1540 LONG CORNER ROAD

NUMBER OF BEDROOMS: 5

SQUARE FEET OF TRENCH: 750GPD/0.8=938

TRENCH LENGTH (WIDTH ADJUSTMENT): 938/3(TRENCH WIDTH)=313LF

TRENCH LENGTH (DEPTH ADJUSTMENT): 313x0.62=194LF PER SYSTEM



(1540 LONG CORNER ROAD)



(1564 LONG CORNER ROAD) THIS AREA DESIGNATES A PRIVATE SEWAGE EASEMENT REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL, IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE EASEMENTS SHALL BE NULL AND VOID UPON CONNECTION TO A PUBLIC SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT. RECORDATION OF A MODIFIED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

P: 6
122
SHULTZ
ULTZ T/E
C-DEO
ENTIAL
0 AC.

PERCOLATION CERTIFICATION:

I CERTIFY THAT THE LOCATIONS SHOWN HEREON ARE BASED ON FIELD LOCATIONS DONE UNDER MY DIRECT SUPERVISION, AND ARE CORRECT, TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

Thomas M. Hoffman, Jr.

3.04.10

THOMAS M. HOFFMAN, JR., PROFESSIONAL LAND SURVEYOR #267 DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS

B. Nipon for Peter Beilenson
COUNTY HEALTH OFFICER

3/11/2010

DATE

rsb
sgd
Superseded 5/20/2011

-EX. PAVING WIDTH

PERCOLATION CERTIFICATION PLAN

1540 AND 1564 LONG CORNER ROAD

TAX MAP 6 GRID 10
4TH ELECTION DISTRICT

PARCELS 83
HOWARD COUNTY, MARYLAND



ROBERT H. VOGEL
ENGINEERING, INC.
ENGINEERS • SURVEYORS • PLANNERS

GENERAL NOTES:

1. THE BOUNDARY LINES SHOWN HEREON ARE BASED ON A BOUNDARY SURVEY.
2. EXISTING SEPTIC LOCATIONS SHOWN ARE BASED ON A FIELD SURVEY.
3. ALL EXISTING WELLS AND SEPTIC AREAS WITHIN 100' OF THE SITE HAVE BEEN SHOWN TO THE BEST OF OUR KNOWLEDGE.
4. ALL WELLS TO BE DRILLED PRIOR TO SUBMITTAL OF BUILDING PERMIT.
5. IT IS THE DEVELOPERS RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO BUILDING PERMIT SUBMISSION.
6. THE UNDEVELOPED LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
7. HEALTH DEPARTMENT HAS WAIVED SETBACK OF SDA FROM PROPERTY LINE FROM 10' TO 5'.
8. APPLICATION A-530253
9. THE STRUCTURE AT 1564 LONG CORNER ROAD IS LIMITED TO 3 BEDROOMS.
10. THE OFF-SITE SEPTIC EASEMENT TO SERVE 1564 LONG CORNER ROAD CONTAINS THE EXISTING DRY WELL AND HAS AREA ADEQUATE FOR 2 REPAIR SYSTEMS.
11. THE ACCESS EASEMENT TO THE REPAIR AREA SERVING 1564 LONG CORNER ROAD MUST BE RECORDED PRIOR TO BUILDING PERMIT APPROVAL. *js*
12. SHOULD THE EXISTING DRY WELL (SERVING THE RESIDENCE KNOWN AS 1564 LONG CORNER ROAD) REMAIN, IT MUST HAVE A PVC OBSERVATION PIPE INSTALLED AND THE VOID FILLED WITH GRAVEL PRIOR TO BUILDING PERMIT APPROVAL FOR 1540 LONG CORNER ROAD OR 1564 LONG CORNER ROAD.
13. THE INITIAL WELL MUST HAVE A STEEL CASING TO A DEPTH OF 50 FEET OR SET 10 FEET INTO COMPETENT BEDROCK, WHICHEVER IS DEEPER.
14. TOPOGRAPHY SHOWN IS AT TWO-FOOT CONTOUR INTERVALS AND HAS BEEN FIELD VERIFIED OR FIELD RUN.
15. ANY CHANGES TO A PRIVATE SEWERAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.

HUI

PLAT OF "PA
PREVI

L



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(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

June 5, 2009

Jeremy Rutter
Heritage Realty, Fax 410-489-4754

RE: DRY WELL SOIL BUFFER OBSERVATION, 1564 Long Corner Road, A-530253

Dear Mr. Rutter,

On June 3, an observation hole was dug near the existing dry well at the boundary of the subject property. The purpose for this observation was to confirm the soil properties to 16 feet depth. The existing dry well Inlet is at about 6 feet depth and the bottom is recorded as 12 feet.

Sixteen feet of soil profile was observed. The top 6 feet of soil is fine-textured, ranging from silty clay to a heavy loam. Below 6 feet the layered saprolites have silt loam textures with varying content of rock fragments. Rock fragments, primarily channers, are about 30 to 35 percent of the volume in the profile. From about 11 feet, the bulk density appears to increase with depth as digging became progressively more difficult. However, the observed proportion of fine earth fraction remained consistent and voids were not observed in spaces between rock fragments. A water test of the pit bottom at 16 feet resulted in a volume of 5 gallons slowly infiltrating the soil materials for a period of time greater than 5 minutes.

These soil properties and characteristics described for this location are interpreted as being appropriate for onsite wastewater disposal as implemented. The dry well may be retained for treatment of wastewater from the existing residence known as 1564 Long Corner Rd, however it must be filled with gravel prior to building permit approval for 1540 Long Corner Road..

Standard biological tests will be conducted when the new well is connected to the new residence (1540 Long Corner Rd). Should that sample be contaminated with fecal coliform the dry well serving 1564 Long Corner Road will be abandoned prior to issuance of ICOP for the new residence at 1540 Long Corner Road. A Note to concerning this requirement will appear on the 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 calling (410) 313-2691.

Respectfully,

A handwritten signature in black ink that reads 'Robert Bricker'.

Robert Bricker, CPSS, R.S.
Well and Septic Program
Development Coordination Section

Enclosure

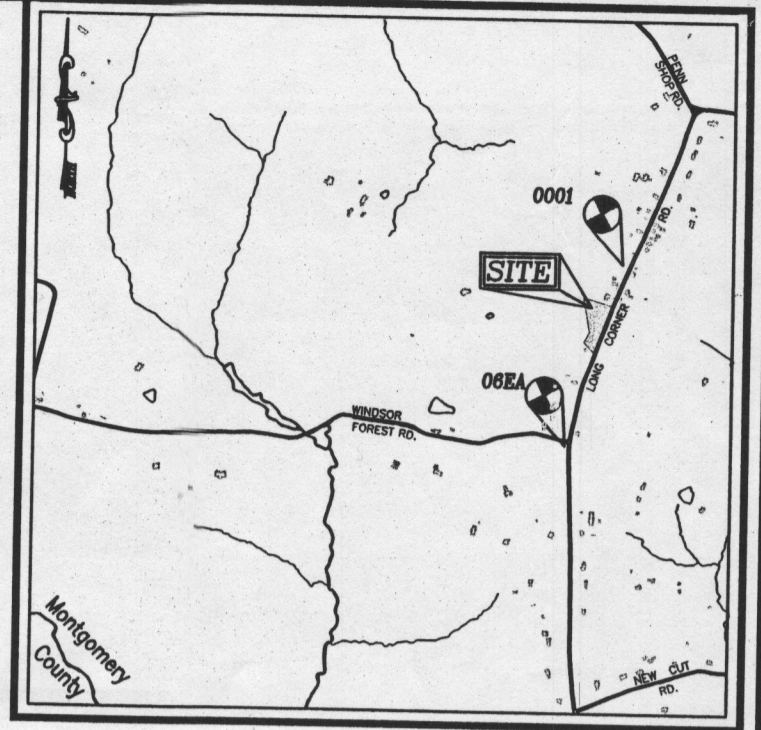
Copy: Main Street builders, owners
File

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5. THE EXISTING PIT WELL MUST BE SEALED, AND THE WELL ABANDONMENT REPORT RECEIVED, AFTER THE YIELD FOR THE REPLACEMENT WELL IS PROVEN AND PRIOR TO HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT.
6. THE LOT KNOWN AS 1540 LONG CORNER ROAD COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
7. HEALTH DEPARTMENT HAS WAIVED SETBACK OF SDA FROM PROPERTY LINE FROM 10' TO 5'.
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16. THE NEW WELL SERVING 1540 LONG CORNER ROAD HAS STEEL CASING TO 48 FEET DEPTH, 18 FEET INTO A LAYER OF "BLUE SLATE" ROCK.

BENCHMARKS

HOWARD COUNTY BENCHMARK 0001 (CONCRETE MONUMENT)
N 607303.2145 E 1268306.1165 ELEV. 812.778
HOWARD COUNTY BENCHMARK 006A (CONCRETE MONUMENT)
N 605662.2772 E 1267824.3235 ELEV. 785.452



VICINITY MAP
SCALE: 1"=2000'
ADC COORDINATE: 2 C11

LEGEND

- RIGHT-OF-WAY
- BOUNDARY LINE
- ADJACENT BOUNDARY LINE
- SOILS
- CENTERLINE OF EXISTING ROAD
- EXISTING EDGE OF PAVING
- EXISTING 10' CONTOUR
- EXISTING 2' CONTOUR
- PASSED PERCOLATION TEST LOCATION
- FAILED PERCOLATION TEST LOCATION
- EXISTING WELL LOCATION
- OBSERVED PROFILE
- PROPOSED WELL LOCATION
- PROPOSED OFFSITE PRIVATE SEPTIC EASEMENT
- RECORDED OFFSITE SEPTIC ACCESS EASEMENT

SEPTIC SYSTEM DESIGN

1564 LONG CORNER ROAD
NUMBER OF BEDROOMS: 3
SQUARE FEET OF TRENCH: 4506PD/0.8=5633
TRENCH LENGTH (WIDTH ADJUSTMENT): 5633/(TRENCH WIDTH)=188LF
TRENCH LENGTH (DEPTH ADJUSTMENT): 188x0.62=116LF PER SYSTEM

1540 LONG CORNER ROAD
NUMBER OF BEDROOMS: 5
SQUARE FEET OF TRENCH: 7506PD/0.8=9383
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PERCOLATION CERTIFICATION:
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Thomas M. Hoefman, Jr. 5-09-11
THOMAS M. HOEFMAN, JR., PROFESSIONAL LAND SURVEYOR #267 DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

William P. Oster 5/20/2011
COUNTY HEALTH OFFICER DATE

Superceded
4/4/13
7/9/0

PERCOLATION CERTIFICATION PLAN
1540 AND 1564 LONG CORNER ROAD

TAX MAP 6 GRID 10 PARCELS 83
4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

ROBERT H. VOGEL ENGINEERING, INC.
ENGINEERS • SURVEYORS • PLANNERS
8407 MAIN STREET ELLICOTT CITY, MD 21043 TEL: 410.461.7666 FAX: 410.461.8961

DESIGN BY: RHV	<p>PROFESSIONAL CERTIFICATE</p> <p>I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MARYLAND, LICENSE NO. 16183 EXPIRATION DATE 06-27-2012</p>
DRAWN BY: JCO	
CHECKED BY: RHV	
DATE: MAY 2011	
SCALE: 1"=30'	
W.O. NO.: 04-33.05	1 SHEET OF 1

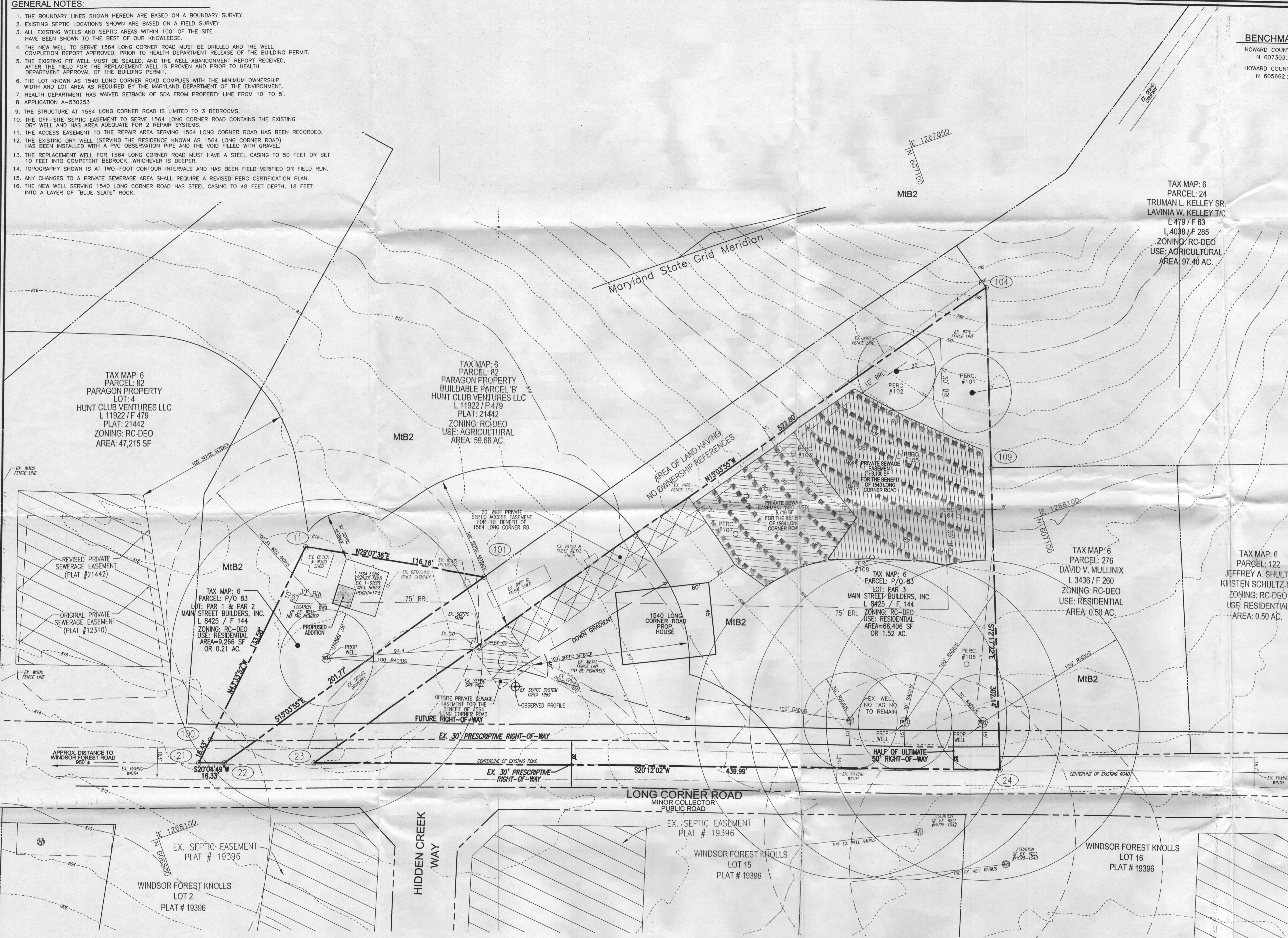
ATTORNEY
TSANG OH
5100 CORSEY HALL DRIVE
ELLICOTT CITY, MD 21042
(410) 964-0300

DEVELOPER
MAIN STREET BUILDERS
5705 LANDING ROAD
ELKRIE, MARYLAND 21075
(410) 796-2003

PLAN VIEW
SCALE: 1"=30'

SOILS LEGEND

SOIL	NAME	SLOPE	CLASSIFICATION
MB2	MT AIRY CHANNERY LOAM	3%-8% MODERATELY ERODED	A



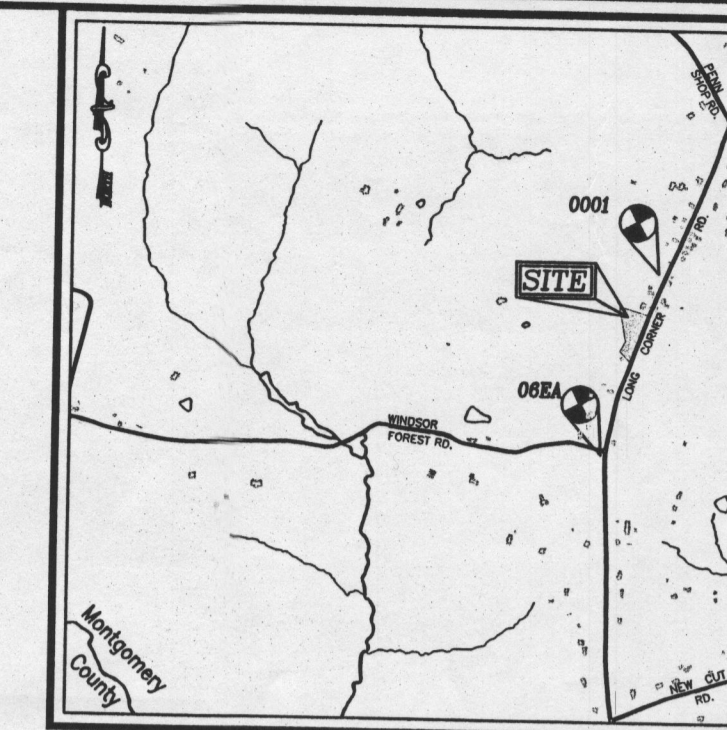
c:\cadd\04-33\engr\dwg\longcorner\perc\perc.dwg, 6/6/2011, 3:41:34 PM, rlv\cadd\04\04\04\04.dwg

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5. THE EXISTING PIT WELL MUST BE SEALED, AND THE WELL ABANDONMENT REPORT RECEIVED, AFTER THE YIELD FOR THE REPLACEMENT WELL IS PROVEN AND PRIOR TO HEALTH DEPARTMENT APPROVAL OF THE BUILDING PERMIT.
6. THE LOT KNOWN AS 1540 LONG CORNER ROAD COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
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- EXISTING WELL LOCATION
- OBSERVED PROFILE
- PROPOSED WELL LOCATION
- PROPOSED OFFSITE PRIVATE SEPTIC EASEMENT
- RECORDED OFFSITE SEPTIC ACCESS EASEMENT

SEPTIC SYSTEM DESIGN

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1540 LONG CORNER ROAD
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THOMAS M. HOEFMAN, JR., PROFESSIONAL LAND SURVEYOR #267 DATE

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
Robert H. Vogel 5/20/2011
COUNTY HEALTH OFFICER DATE

PERCOLATION CERTIFICATION PLAN
1540 AND 1564 LONG CORNER ROAD
TAX MAP 6 GRID 10 PARCELS 83
4TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

ROBERT H. VOGEL ENGINEERING, INC.
ENGINEERS • SURVEYORS • PLANNERS
8407 MAIN STREET ELLICOTT CITY, MD 21043 TEL: 410.461.7666 FAX: 410.461.8961

DESIGNER: RHV
DRAWN BY: JCO
CHECKED BY: RHV
DATE: MAY 2011
SCALE: 1"=30'
W.O. NO.: 04-33.05

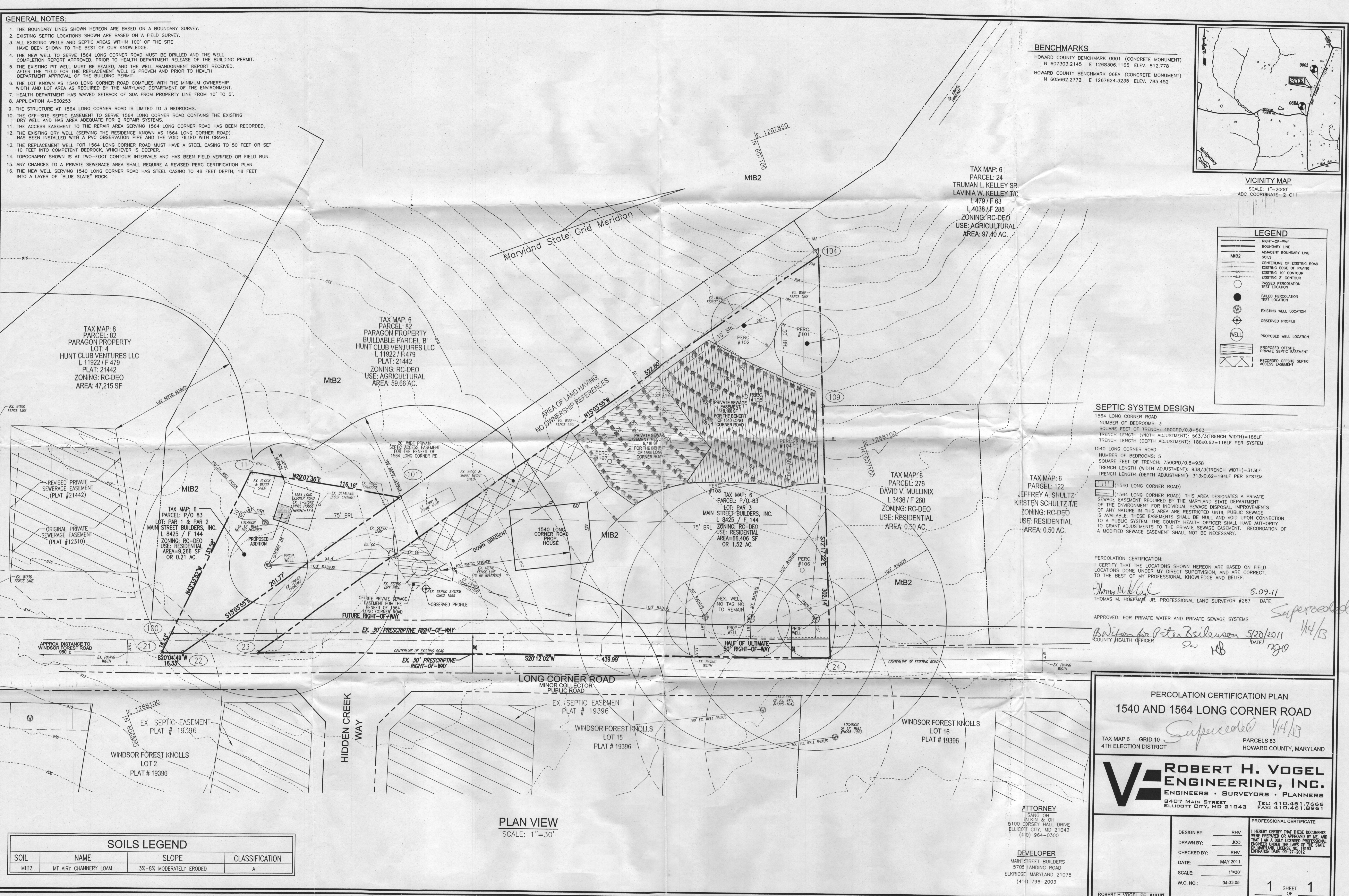
PROFESSIONAL CERTIFICATE
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DAILY LICENSED PROFESSIONAL ENGINEER IN THE STATE OF MARYLAND, LICENSE NO. 16183 EXPIRATION DATE 06-27-2012

1 SHEET OF 1

SOILS LEGEND

SOIL	NAME	SLOPE	CLASSIFICATION
MB2	MT AIRY CHANNERY LOAM	3%-8% MODERATELY ERODED	A

PLAN VIEW
SCALE: 1"=30'



c:\cadd\04-33\engr\dwg\longcorner\perc\1540-1564.pdw, 6/6/2011 3:41:34 PM, 1630x2400R, 240MP

\$25.00 - permit #15024
Scanned 5/22/11

Main Street Builders

5705 Landing Road
Elkridge, Maryland 21075
410-796-2003 • fax 410-744-9054

8-19-11

Avis Corbin, Chief of DLIP
3430 Courthouse Drive
Ellicott City, MD 21043

RECEIVED

AUG 19 2011

ENGINEERING & PERMITS
SECTION

Re: Permit #B10001963

Avis Corbin,

We are requesting that the accompanying plot plan be substituted for the one originally submitted with the permit application for a home addition to 1564 Long Corner Road.

The original plot plan incorrectly located the existing house on the site. The structure was originally depicted as "rotated" on the lot. The correct location necessitated modifications to the perc cert and the installation of a new well. Those tasks having been accomplished we are now modifying the plot plan to show the new well and proper house location

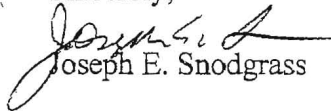
Enclosed are 4 copies of the changed plot plan.

Attached is also a check in the amount of \$ 25.00 for administration of the change.

Please call me with any questions @ 410-796-2003.

Thank you,

Sincerely,


Joseph E. Snodgrass

CC Zoning
Health
DED