

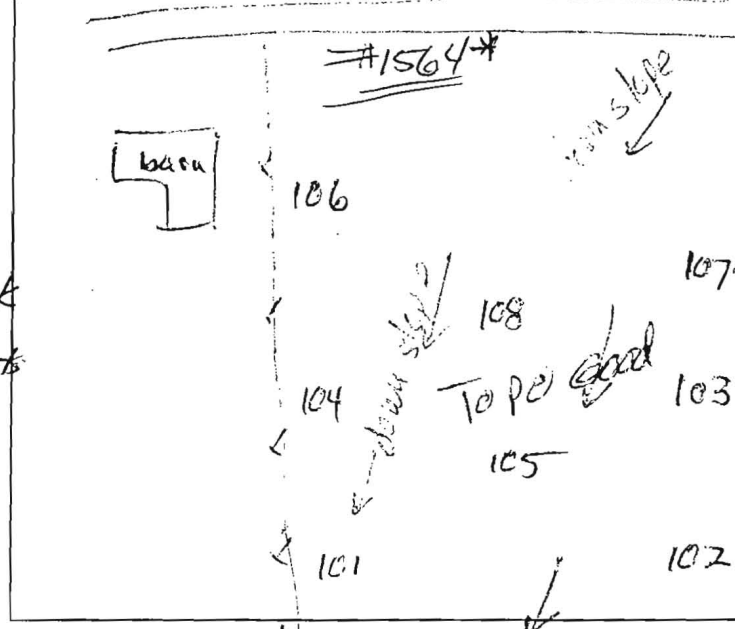
105

0.3' dk grey-brn loam
 yel brn chcl
 4.3' yel-brn vch
 brn vch loam 40%
 7' brn vch loam 45% 52%
 11' Hard very flaky slow infiltration

(103) (104)
 3.5' yel-brn chcl
 yel-brn vch loam
 5.3' yel vchsl
 brn vchsl
 0.5' Hard >50% rock

(106)
 0.4' dk grey loam
 yel-brn chcl
 1' yel-brn vch loam
 4.5' red vchsl
 brn vchsl
 11' Hard >50% rock

Long Corner Rd



101 & 102
 grey-brn loam
 yel-brn chcl
 yel brn vch loam
 brn vch loam
 0.5' >50% rock quartzite components

(108)
 2.5' yel brn chcl
 yel brn vch loam
 5.3' yel vchsl
 brn vchsl
 10.5' red k
 11' Hard >50% rock

(107)
 0.4' dk grey loam
 yel-brn chcl
 2' yel-brn vch & fl loam
 4.5' yel & red vchsl
 11' Hard Bottom >50% rock

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
1/6/09	101	4' / 0.5'	9:44	10:27	<< 1"		F
1/6/09	102	4.5' / 0.5'	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' / 4'	0	1.9	4.7	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

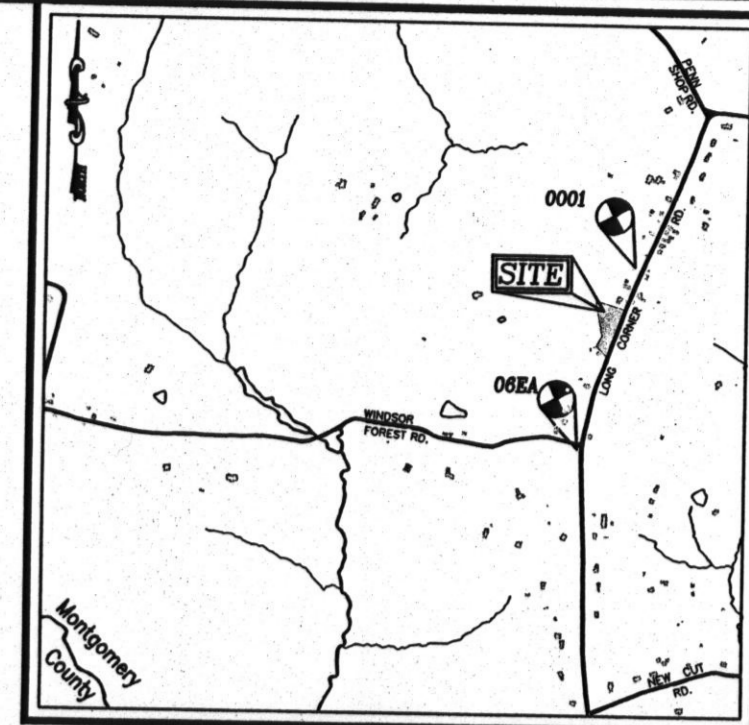
1/6/09 108 11' Visual good side wall 5.5' P
 REMARKS Lot of Record
 SANITARIAN RB BACKHOE Chuck Zapp OTHERS Tim Egan Jeremy Ruten
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

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.
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.

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

TAX MAP: 6
 PARCEL: 24
 TRUMAN L. KELLEY SR.
 LAVINIA W. KELLEY T/C
 L 479 / F 63
 L 4038 / F 285
 ZONING: RC-DEO
 USE: AGRICULTURAL
 AREA: 97.40 AC.

TAX MAP: 6
 PARCEL: 82
 LOT: PAR A
 HUNT CLUB VENTURES LLC
 L 11922 / F 479
 PLAT: 20575
 PLAT OF "PARCEL 'A' PARAGON PROPERTY"
 PREVIOUSLY "CHESTNUT HILLS"
 ZONING: RC-DEO
 USE: AGRICULTURAL
 AREA: 60.75 AC.

MIB2

LEGEND

	RIGHT-OF-WAY
	BOUNDARY LINE
	ADJACENT BOUNDARY LINE
	EXISTING TREELINE
	EXISTING UTILITY POLE
	EXISTING SIGN
	EXISTING WATER LINE
	EXISTING SEWER LINE
	EXISTING GAS LINE
	EXISTING OVERHEAD LINES
	CENTERLINE OF EXISTING ROAD
	EXISTING EDGE OF PAVING
	EXISTING 10' CONTOUR
	EXISTING 2' CONTOUR
	PROPOSED PERCOLATION TEST LOCATION
	FAILED PERCOLATION TEST LOCATION
	EXISTING WELL LOCATION
	OBSERVATION HOLE
	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 SEPTIC 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.

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. 3.02.10
 THOMAS M. HOFFMAN, JR., PROFESSIONAL LAND SURVEYOR #267 DATE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS
B. Nelson for Peter Beilenson 3/11/2010
 COUNTY HEALTH OFFICER DATE: 3/11/2010

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 TEL: 410.461.7666
 ELLICOTT CITY, MD 21043 FAX: 410.461.8961

PROFESSIONAL CERTIFICATE

DESIGN BY: RHV
 DRAWN BY: JCO
 CHECKED BY: RHV
 DATE: FEBRUARY 2010
 SCALE: 1"=30'
 W.O. NO.: 04-33.05

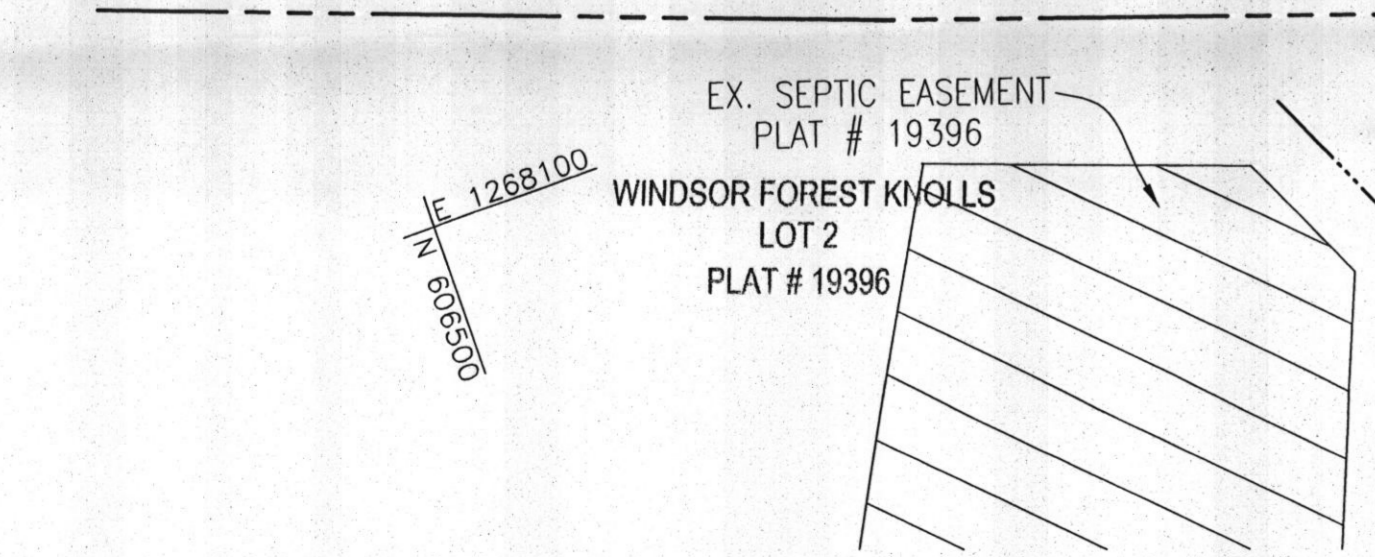
I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 16183 EXPIRES DATE: 09-27-2010

1 SHEET OF 1

ATTORNEY
 SANG OH
 TALKIN & OH
 5100 DORSEY HALL DRIVE
 ELLICOTT CITY, MD 21042
 (410) 964-0300

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

APPROX. DISTANCE TO WINDSOR FOREST ROAD 850'



SOILS LEGEND

SOIL	NAME	SLOPE	CLASSIFICATION
MIB2	MT AIRY CHANNERY LOAM	3%-8% MODERATELY ERODED	A

PLAN VIEW
 SCALE: 1"=30'

