



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AVP 533989

AGENCY REVIEW: _____

DATE 8-23-10

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: 4

- 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) Dmitri Wasilewski dwasilewski@jetz.com.net

DAYTIME PHONE 443 896 3758 CELL SAME FAX _____

MAILING ADDRESS 6905 Brooks Lane Highland MD 20777
STREET CITY/TOWN STATE ZIP

APPLICANT Ronnie Heaps / J.M. Cont. LLC.

DAYTIME PHONE 443-277-7526 CELL SAME FAX 410-552-5815

MAILING ADDRESS 425 Obrecht Rd Scylesville MD 21784
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION SUBDIVISION/PROPERTY NAME 6905 Brooks Lane Road LOT NO. _____

PROPERTY ADDRESS 6905 Brooks Lane Highland Md. 20777
STREET TOWN/POST OFFICE

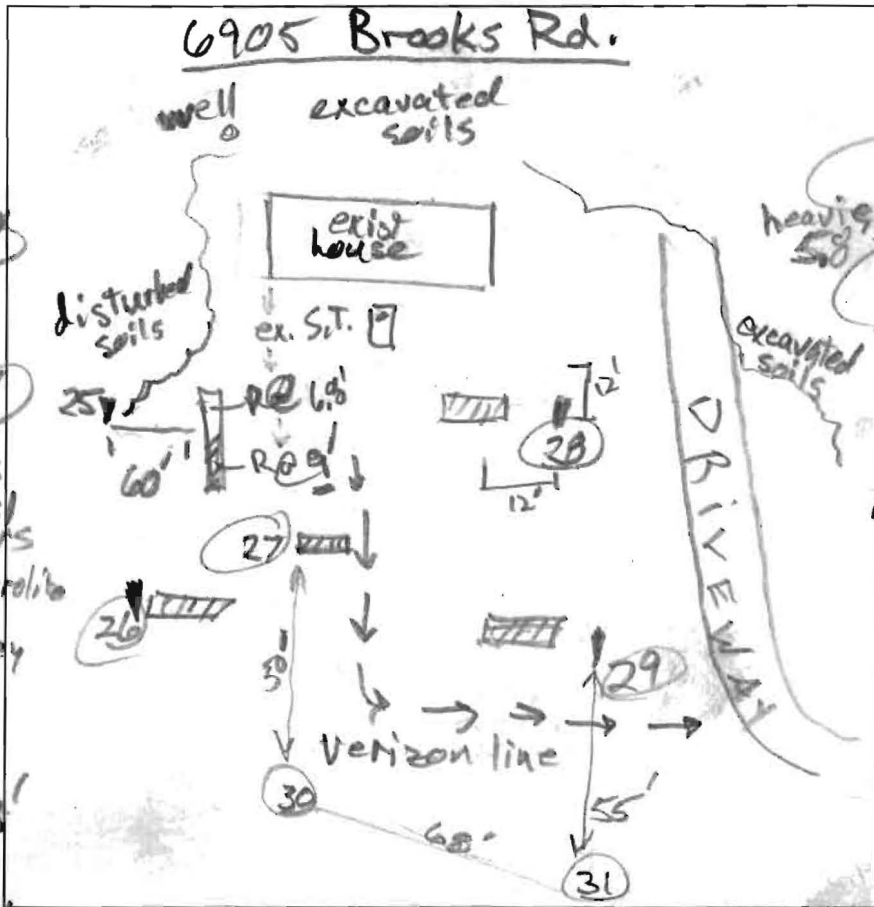
TAX MAP PAGE(S) _____ GRID _____ PARCEL(S) _____ PROPOSED LOT SIZE _____

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. [Signature]
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

6905 Brooks Rd.



(26)
brn scl
1/8 blk to
yel-red scl 2m obk
c. mica
yel-red sl
many mica
saprolite
grey sl
few channels
to grey-brn sl
few channels
wk. com saprolite
crushes to
chsl, dk grey

(29)
brn to
yel brn scl
4.5'
yel-red sl
saprolite
many mica
red-yel sl
2cpl many mica
e. 1/2 Mn set
red-yel clay
few wk com. lags
many mica
C. med Mn soft
bodies

(28)
dk brn sl
brn sl
c. mica heavy

(25) offset
3' yel-red scl
yel-red sl
micaceous
3m pl
4.5' grey brn
chsl
micaceous
3m pl
6.8' R

(25)
yel-red sl
micaceous
3m pl
yel-brn sl
micaceous
2cpl

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DRCP	TIME OF 2ND INCH	P/F/H
12/14/2010	29	5.8' / 13.6'	10:07	10:17	10:42	25	P
12/14/2010	26	6' / 12'	10:34	10:39	10:49	10	P
12/14/10	28	4' / 8'	11:15	11:19	11:29	10	P
12/14/2010	25	4.8' / 9'	12:08	12:23	1:00	37	F
12/14/10	27	11'	Visual	- moderate rate at 4' to 7'			P

move downhill
line between 25-28
26 60' SE of stn
dk brn loam
2cpl
0.3' yel-red few
scl, 2cpl w/ boulders
clay coatings
3.5' yel-red sl
micaceous
saprolite
2 m pl
5' grey brn
chsl
micaceous
9' R

R
(27)
brn loam
yel-red
scl, c. mica
H. brn sl
micaceous
saprolite
2 m pl

REMARKS #27, moderate rate (8-15 min)

SANITARIAN RB/MJ BACKHOE Ronnie Hays OTHERS Rob, Dimitri

TEST HOLES USED IN SDA 26, 27, 28, 29. AVG. PERC TIME SQ. FT/BR

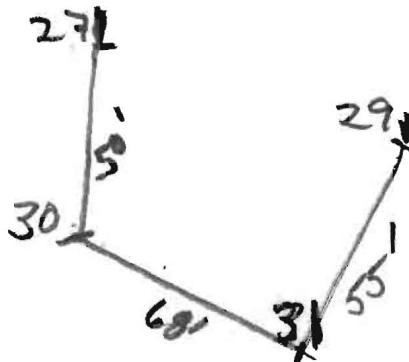
TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SAW

grey-brn sl
st. w/ few Mn
micaceous soft bodies
1 m pl
9.5'
grey brn chsl
11' R

6905 Brooks Rd.
 @ well

House

S.T. □



31

0.9' dk brn loam
 2' gr to 2' sbk
 1' brn cl
 7' msbk
 2.2' brn sct
 4.5' brown sct
 6' brn to yel-brn heavy
 8.5' brn & yel brn sct
 10' micaceous
 15' yel-red & brn sct
 15' yel-red, pale yellow
 & lt grey sct

30
 dk brn loam
 2' gr 0.5'
 brn sct
 7' msbk 4.5'
 brn sl heavy
 micaceous
 6.5'
 yel-brn sct
 micaceous
 8'
 grey-brn common
 sct Mn soft
 bodies, lge
 micaceous
 13.5'
 brn grey sct
 micaceous
 14'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
12/14/10	30	7.2' 14'	1:51	2:12	2:42	30	P
12/14/10	31	7' 15'	2:11	2:37	3:07	30*	reshell
	reshell 31	8' 15'	3:14	3:44	→		F

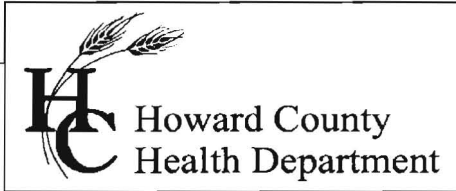
Septic Tank INVOIT = 5.3'; Top of Tank = 4' deep

REMARKS _____

SANITARIAN RR/MJ BACKHOE Ronnie Heaps OTHERS Bob Dunitz
Wesilowski

TEST HOLES USED IN SDA 30 AVG. PERC TIME _____ SQ. FT/BR _____

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



Bureau of Environmental Health
7178 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

Peter L. Beilenson, M.D., M.P.H., Health Officer

December 17, 2010

TO: Dmitri Wasilewski, owner; dwasilewski@verizon.net

FROM: Robert C. Bricker, RS/REHS
Environmental Sanitarian Supervisor
Well and Septic Program

RE: Percolation test results for 6905 Brooks Road, A533989

Percolation testing was conducted on the referenced property on December 14, 2010. The purpose for conducting these percolation tests is to delineate a septic reserve area in support of an anticipated building permit application to enlarge the existing residence. When the planned addition is completed, the residence is to have 5 bedrooms.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Soil conditions either satisfactory or unsatisfactory for onsite wastewater disposal were observed at the specified test locations. Subsequently, an area having soil properties suitable for a septic easement may be identified. The area of the septic reserve must be at least 10,000 square feet, though Howard County Code (3.805.A.2.X) requires that the area be large enough to accommodate an initial drainfield and two repair drainfields.

Test holes were dug near staked locations 26 through 29. Test #25 was moved about 60 feet southeast of the stake due to the occurrence of fill and disturbed soils in the northeast corner of the proposed septic reserve. After these 5 tests and observations were completed, 2 additional test locations (30 and 31) were added. Summarizing results of unsatisfactory tests or observations: location 25 has a relatively shallow depth to indurate rock and a slow percolation rate. At location 31, the soil has fine textures and as the soil is relatively dense, a slow to very slow percolation rate occurs. Neither a free water table nor perched water was observed in any of the soil profiles.

Areas that may be included in a septic easement are represented by test locations having satisfactory soil conditions, which are locations 26, 27, 28, 29 and 30. Percolation rates in the area appropriate for inclusion in a septic reserve range from moderate (26, 27 and 28) to moderately slow (29 and 30).

The existing septic tank was observed, however the existing trench was not encountered and therefore its location remains unknown. Health Department records indicate that the septic tank has a capacity of 1500 gallons. The septic tank outlet invert is about 5.3 feet below ground elevation. If the planned addition increases the enclosed living area of the residence to greater

than 3500 square feet, the required septic tank capacity will be 2000 gallons. A second septic tank may be installed to supplement the capacity of the existing septic tank though all regulated setback distances must be observed. A manhole (top-of-tank to grade) will be installed on each tank.

The existing trench is described as having 6 feet of gravel below the pipe, with the trench bottom at 8 feet depth. As the trench location is described, it lies in the area generally between locations 28 and 25, though it may be a little further downhill. The soil depth to indurate rock at locations 28 and 25 is only 8 feet and 9 feet respectively. At location 27 the depth to indurate rock is only 11 feet. The depth to indurate rock at the existing trench must be at least 12 feet for it to be certified as meeting code requirements. I believe that the soil materials do not extend to 12 feet and therefore the trench will need to be abandoned for the Health Department to approve a building permit application affecting the existing house. As a result a new drainfield will be required.

The existing well was not observed during the percolation testing. An inspection of the well will be conducted by an Environmental Sanitarian prior to signature approval of the Percolation Certification Plan. The plan will show the existing well and two replacement well locations (or a 1500 square-foot well reserve) will also be delineated.

Field data collected are shown on the Percolation Test Worksheet enclosed with this letter. Recommended Inlet and Trench Bottom depths, and Usable Sidewall all are based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested. Trench bottom depth ranges from 4 feet to 8 feet across the approvable area. The width of effective sidewall varies by location, ranging from 1.5 feet to 3 feet. The values for the drainfield parameters will be established during the Percolation Certification Plan process, and then maintained in the Health Department file for the subject property.

Additional field review of surface conditions may be conducted at any time during this process. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan or Site Plan, please contact me at the above address or by calling (410) 313-2691.

Copy: Ronnie Heaps, Applicant
Tony Fertitta, Fisher, Collins & Carter, Inc.
file

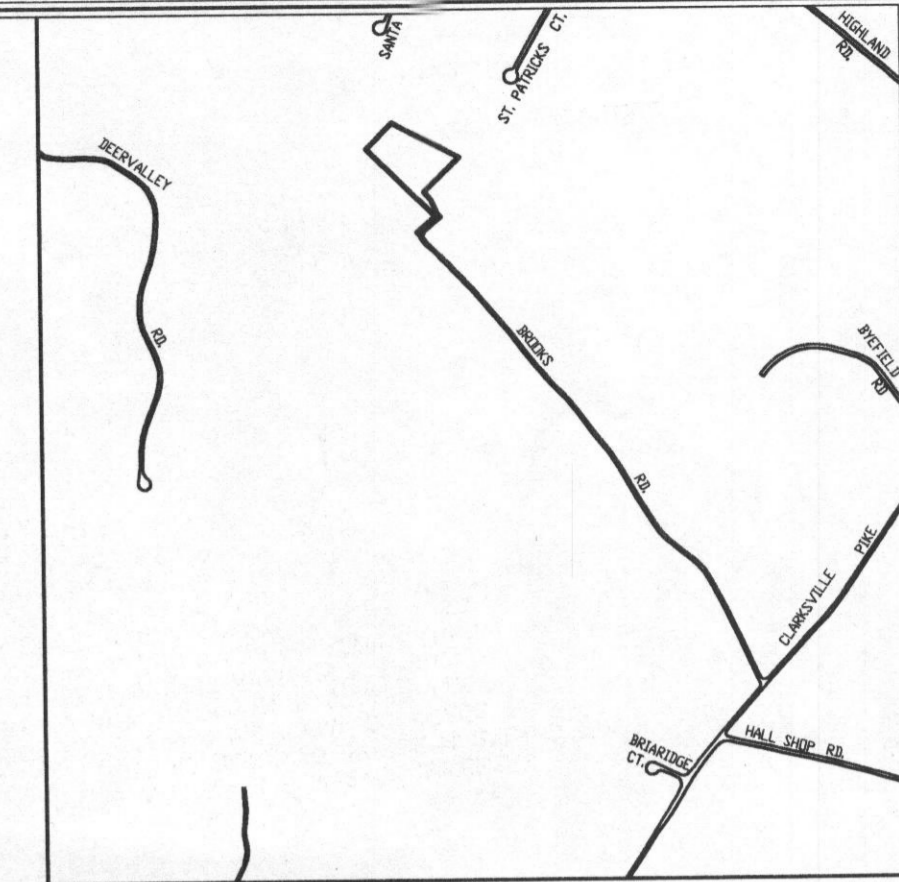
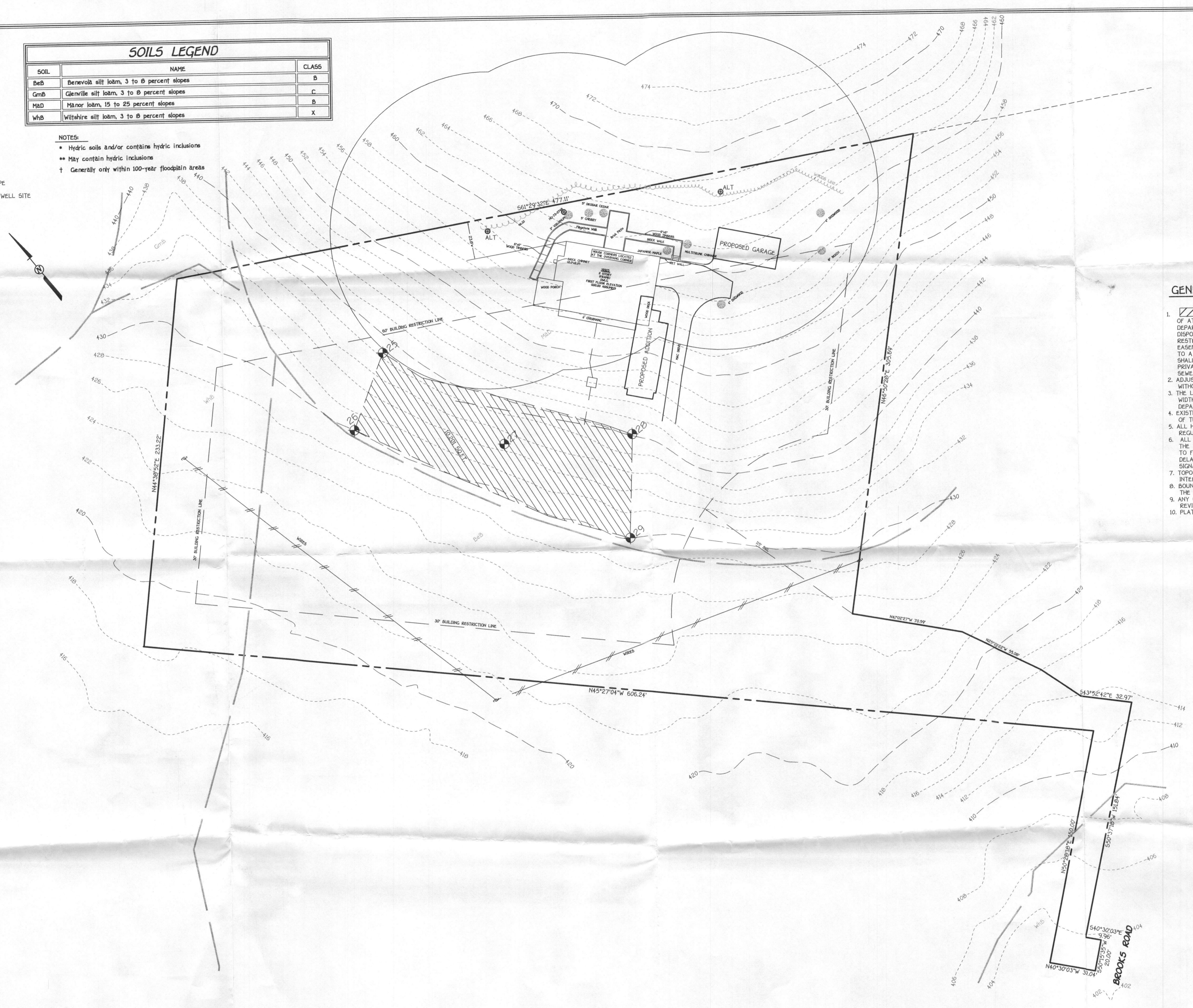
LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- ⊙ DENOTES PROPOSED WELL
- ⊙ DENOTES FAILED PERC
- ⊙ DENOTES PASSED PERC
- ⊙ DENOTES PROPOSED PERC
- ⊙ DENOTES PROPOSED HOUSE
- ⊙ DENOTES 15%-24.9% SLOPES
- ⊙ DENOTES 25% AND GREATER SLOPE
- ⊙ DENOTES 1500 Sq.Ft. ALTERNATE WELL SITE

SOILS LEGEND

SOIL	NAME	CLASS
BeB	Benevol silt loam, 3 to 8 percent slopes	B
GmB	Glennville silt loam, 3 to 8 percent slopes	C
MaD	Major loam, 15 to 25 percent slopes	B
WhB	Wiltshire silt loam, 3 to 8 percent slopes	X

- NOTES:**
- Hydric soils and/or contains hydric inclusions
 - May contain hydric inclusions
 - † Generally only within 100-year floodplain areas



GENERAL NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL 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 SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. 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.
7. TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 2' CONTOUR INTERVAL.
8. BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
9. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
10. PLAT REFERENCE: 6289.

**PERC APPLICATION PLAT
PASTINE PROPERTY
LOT 2
PLAT REFERENCE: #6289**

OWNER
MR. DMITRI WASILEWSKI
BROOKS ROAD
HIGHLAND, MD 20777

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21042
(410) 461-2895

TAX MAP No. 40 PARCEL No. 256
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DATE: NOVEMBER 18, 2010 SCALE 1"=30'
W/O #60080

K:\6289\6289\03160080.dwg Perc Plan.dwg 12/1/2010 7:13:57 AM tony

LEGEND

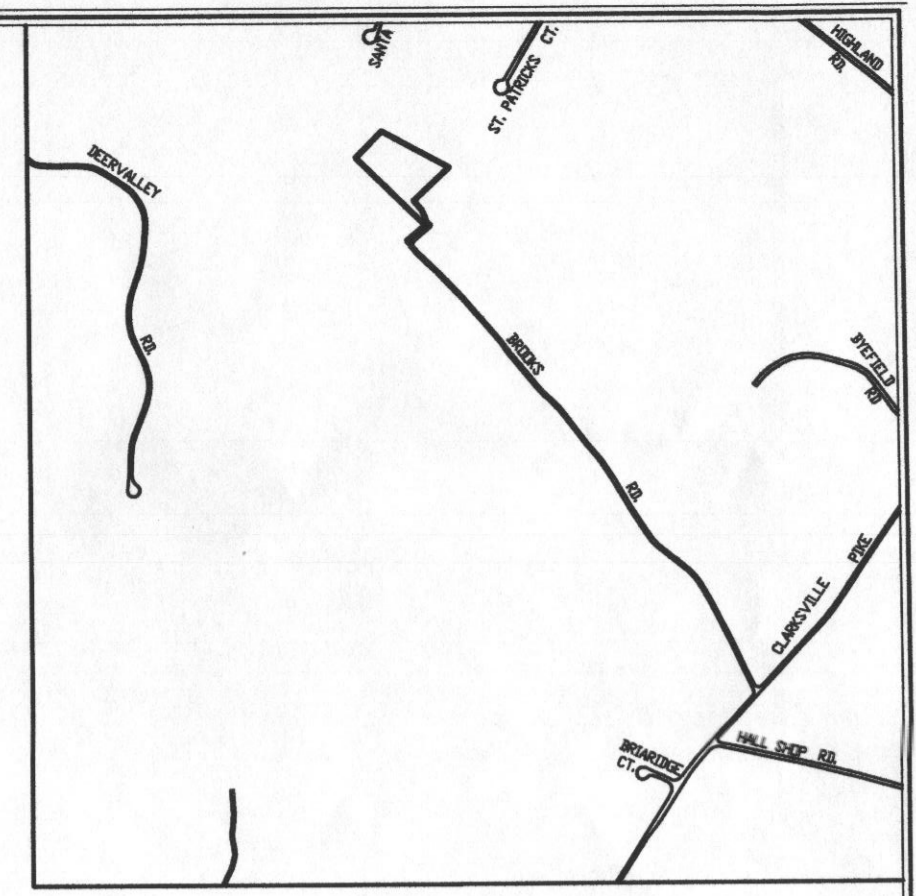
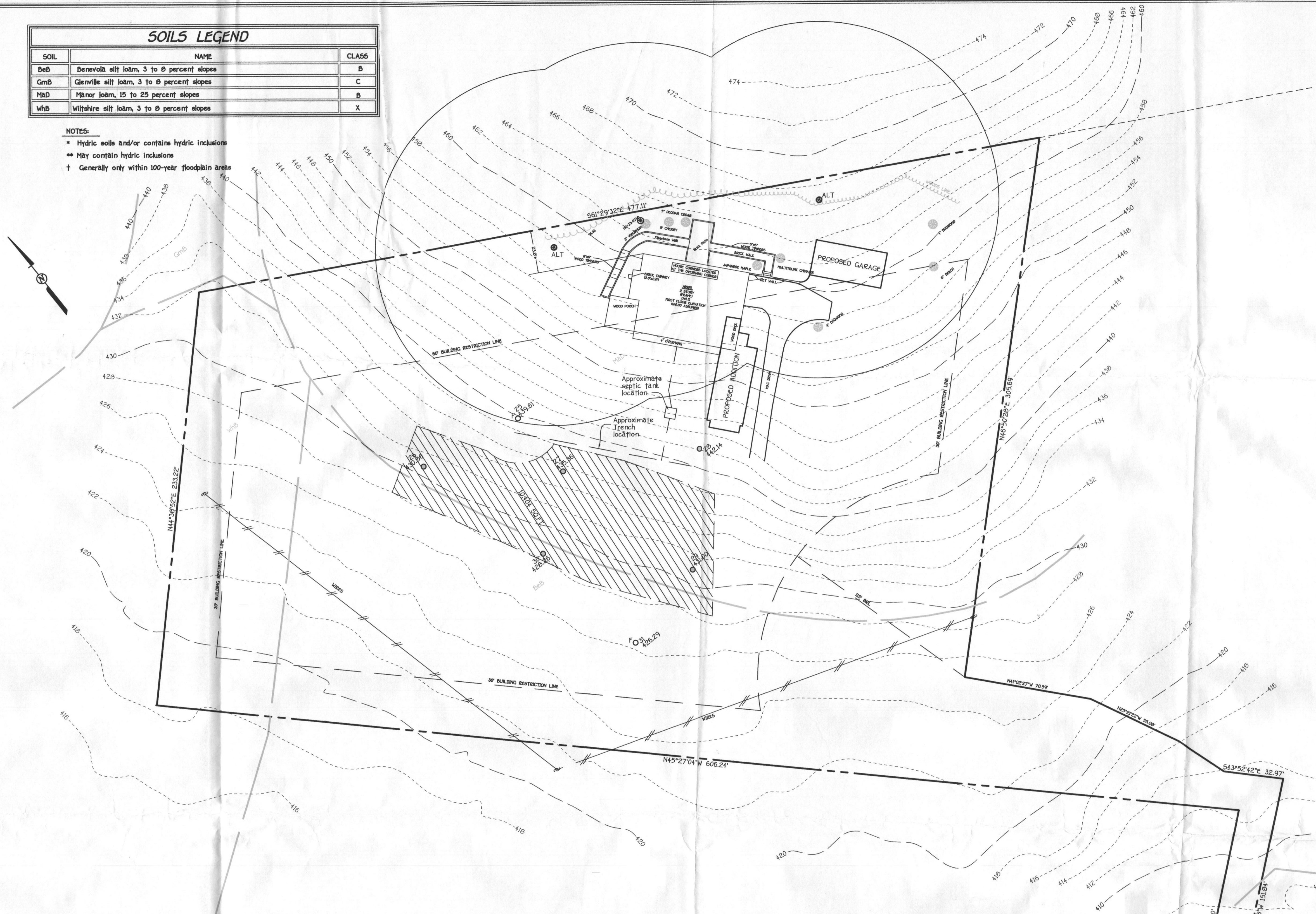
- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- DENOTES PROPOSED WELL
- DENOTES FAILED PERC
- DENOTES PASSED PERC
- DENOTES EXISTING WELL
- DENOTES SPECIMEN TREE
- DENOTES WIRES

SOILS LEGEND

SOIL	NAME	CLASS
DeB	Denevola silt loam, 3 to 8 percent slopes	B
GmB	Glenville silt loam, 3 to 8 percent slopes	C
MdD	Manor loam, 15 to 25 percent slopes	B
WhB	Wiltshire silt loam, 3 to 8 percent slopes	X

NOTES:

- * Hydric soils and/or contains hydric inclusions
- ** May contain hydric inclusions
- † Generally only within 100-year floodplain areas



VICINITY MAP
SCALE: 1" = 1200'

GENERAL NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. 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 SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. THE EXISTING WELL WILL BE REPAIRED AND APPROVED BY AN ENVIRONMENTAL SANITARIAN PRIOR TO HEALTH DEPARTMENT APPROVAL OF ANY BUILDING PERMIT APPLICATION.
7. TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 2' CONTOUR INTERVAL AND FIELD VERIFIED BY FISHER, COLLINS AND CARTER, INC.
8. BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
9. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
10. PLAT REFERENCE: 6289.
11. ALL SEPTIC SYSTEM UPGRADES MUST BE INSTALLED AND APPROVED BY THE ATTENDING ENVIRONMENTAL SANITARIAN PRIOR TO APPROVAL OF THE BUILDING PERMIT APPLICATION FOR THE PROPOSED ADDITION.

PERC 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.
Signature of Professional Land Surveyor: *Terrell A. Fisher* Date: 2/2/11
Terrell A. Fisher, Professional Land Surveyor No. 10692

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT.
Signature of Peter Brilenson Date: 2/3/2011
COUNTY HEALTH OFFICER

OWNER
MR. DMITRI WAGLEWSKI
6905 BROOKS ROAD
HIGHLAND, MD 20777

**PERC CERTIFICATION PLAT
PASTINE PROPERTY
LOT 2
PLAT REFERENCE: #6289**

The purpose for this plan is to create a 10,000 sq-ft septic area.
TAX MAP No. 40 PARCEL No. 256
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
DATE: JANUARY 21, 2011 SCALE: 1"=30'
PC533989 W/O #60080