



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 537282

AGENCY REVIEW: _____

DATE 5-3-12

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) BEGIS A. GROGAN

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 4409 GREENWOOD RD BELTSVILLE MD 20705-2712
STREET CITY/TOWN STATE ZIP

APPLICANT HA SEETS S. AND RAJDEEPK. GILL

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 8111 CHAPEL MANOR LANE ELLCOTT CITY MD 21043
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS NE JOHNS HOPKINS RD CLARKSVILLE MD 21029-0000
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 41 GRID 9 PARCEL(S) 259 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.

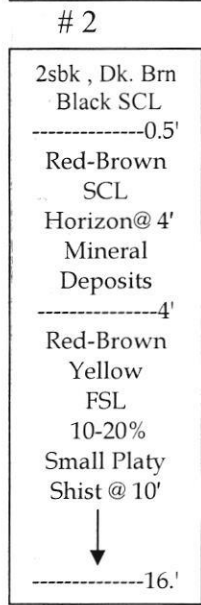
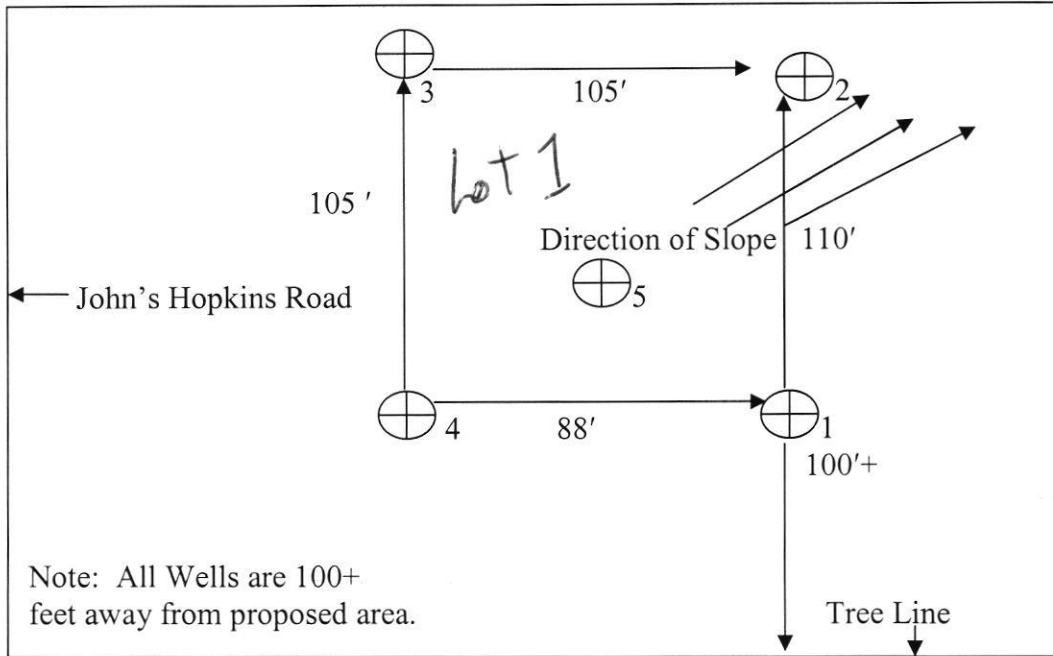
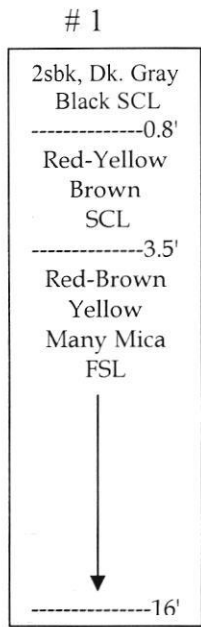
TEST RESULTS WILL BE MAILED TO APPLICANT.

Haryns. Gill
SIGNATURE OF APPLICANT

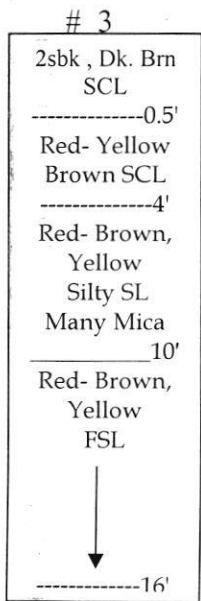
HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

Percolation Information- John's Hopkins Road

NOT TO SCALE



Date	Test	Depth	Start	Break 1" Drop	Break 2" Drop	Time of 2 nd Inch	P/F/H
06-19-12	1	5/16	10:14	10:16	10:18	2 min.	Pass
06-19-12	2	5 /16	10:33	10:41	10:51	10 min.	Pass
06-19-12	3	16	Visual	Pass	Inlet @ 4'	Effective Area @ 5'	Pass
06-19-12	4	5/16	10:58	11:00	11:04	4 min.	Pass
06-19-12	5	5/16	11:18	11:20	11:24	4 min.	Pass
							#
							#

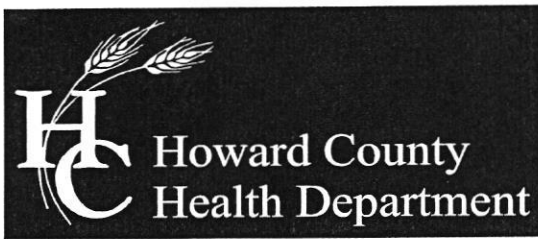


Remarks: Undeveloped Property. Trees cover the entire property.
Percolation holes must be surveyed on Percolation Certification Plan.

Sanitarian: DBernard Backhoe Kenny Jr./Hatfields Others John Carney

Test Holes Used in 5 in SDA Avg. Perc Time 5 min. SQ.FT/BR

Trench Width 3 Inlet Depth 4 Max Bot.Depth 6 Effective S/W



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-1774 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

November 20, 2014

Rajdeep K. Gill
8111 Chapel Manor Lane
Ellicott City, Maryland 21043

RE: Variance request
Tax Map 41 Parcel 259 (on Johns Hopkins Road)
Howard County, Maryland

Dear Mr. Gill,

The Health Department submitted a variance request on your behalf and in relation to a development proposal for the subject property on Johns Hopkins Road (Howard County Tax Map 41, Parcel 259). The septic systems on both lots proposed on the subject property are planned to be upgradient of the planned well location for 'Lot 2' on the subject property.

Consideration of the soil conditions and percolation test results, assumed groundwater flow patterns, landscape position, and documentation of water quality at the primary well location were some of the factors used in making our recommendation for approval.

The Maryland Department of the Environment (MDE) has accepted our recommendation to approve the variance request subject to the specific conditions that are described below. The pending approval will allow for designating sewage disposal areas for the proposed lots on the subject property.

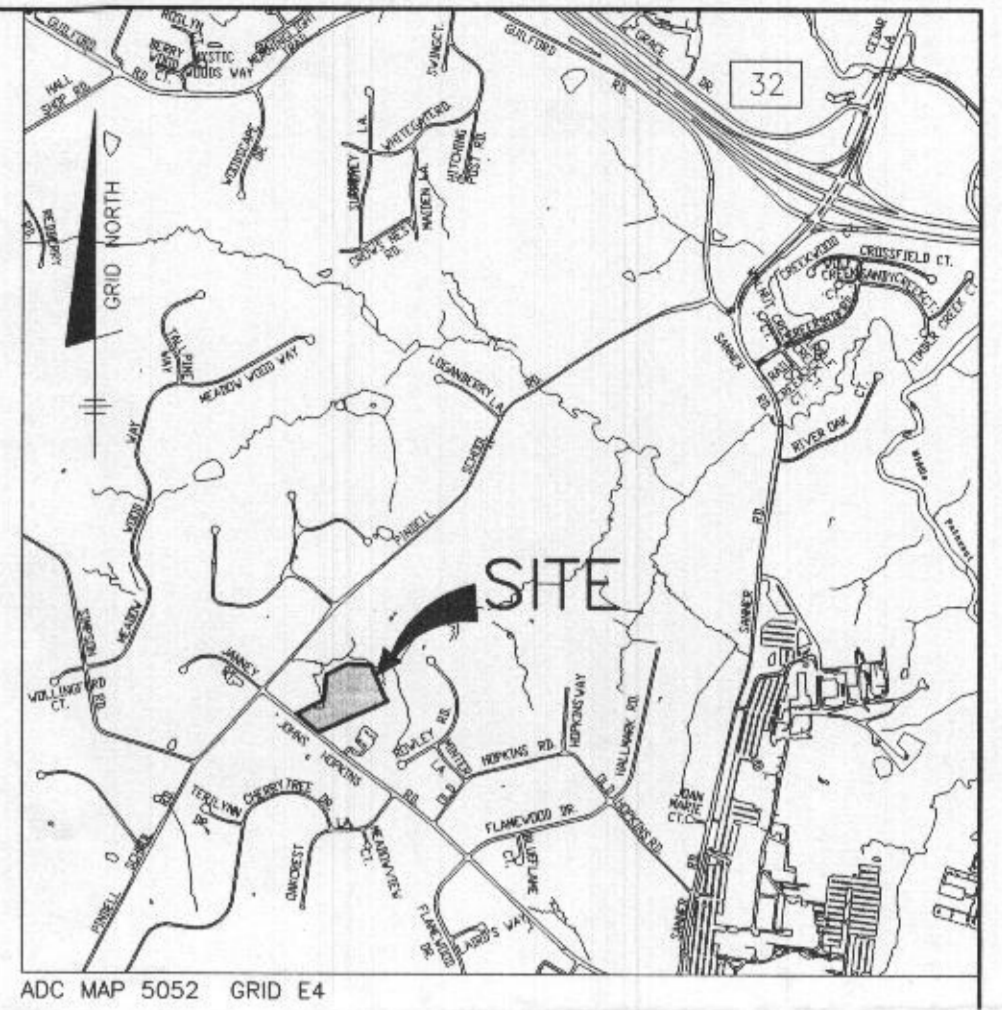
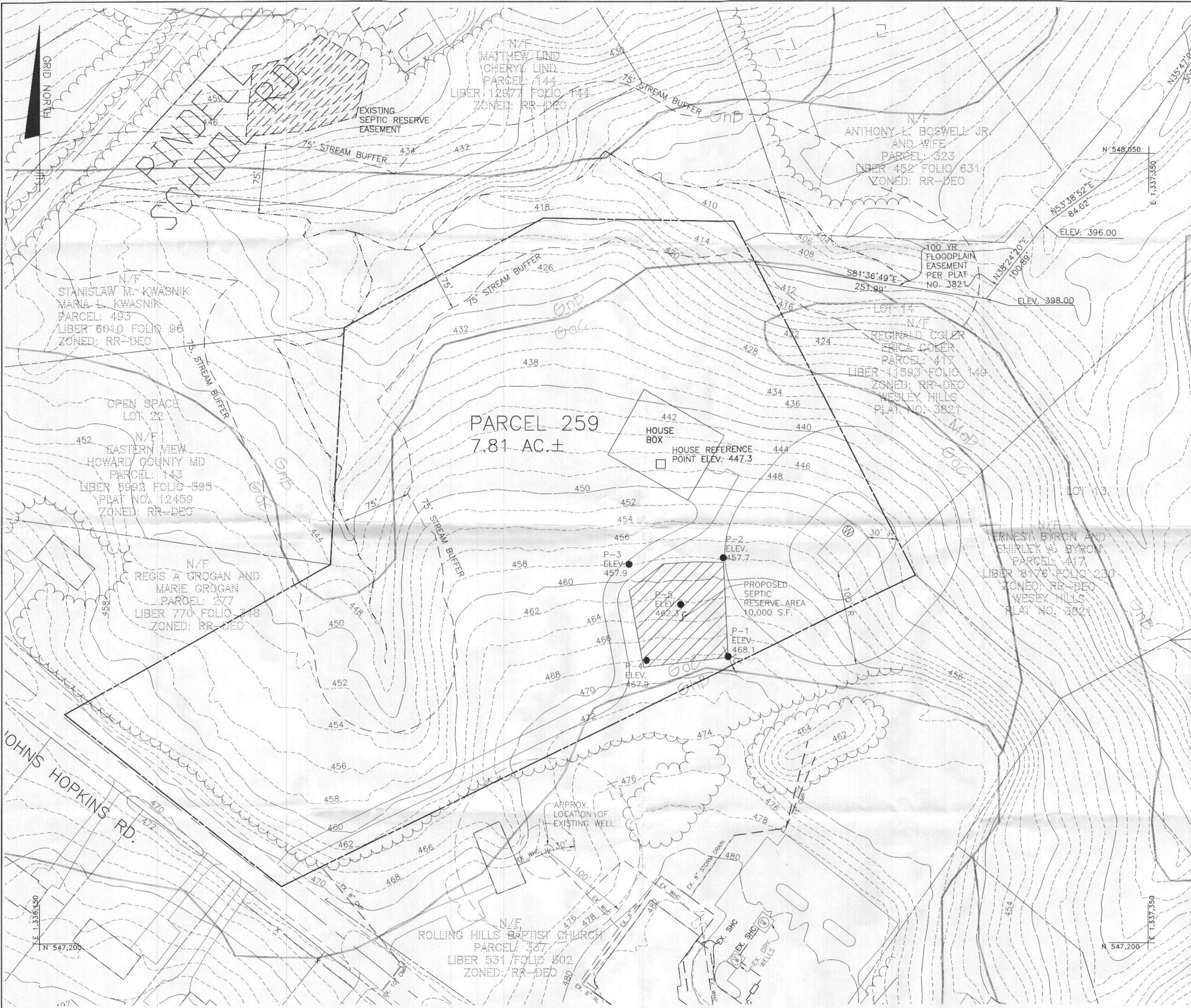
The variance is approvable subject to the following conditions:

1. The well to be installed on 'Lot 2' must have steel casing that extends to 50 feet depth, or ten feet into competent bedrock, whichever is deeper.
2. Best Available Technology (BAT) units must be included as part of the septic systems to serve Lots 1 and 2, respectively
3. All distribution systems installed in the sewage disposal areas of Lots 1 and 2, may be required to have low-pressure distribution design or equivalent.

If you have any questions regarding this letter, you may contact me at the above address or by calling (410) 313-1771.

Jeffrey Williams, L.E.H.S.
Program Supervisor
Well and Septic Program

COPY: Steven Krieg, Maryland Department of the Environment



VICINITY MAP
SCALE: 1" = 2000'

SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME
GsC	B			GAILA LOAM, 8 TO 15 PERCENT SLOPES
GgB	B			GLENELG LOAM, 3 TO 8 PERCENT SLOPES
GhB	B			GLENELG URBAN LAND COMPLEX, 0 TO 8 PERCENT SLOPES
GmB*	YES	C	D	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES
GmB*	YES	C	D	GLENVILLE BAILE SILT LOAM, 0 TO 8 PERCENT SLOPES
MmD	B			MANOR LOAM, 15 TO 25 PERCENT SLOPES

LEGEND

SOILS CLASSIFICATION: Gnb

SOILS DELINEATION: ---

EXISTING CONTOURS: 450, 478

PROPOSED CONTOURS: 999

LIMIT OF WETLANDS: [Symbol]

EXISTING WOODS LINE: [Symbol]

PROPOSED WOODS LINE: [Symbol]

EXISTING STRUCTURE: [Symbol]

PROPOSED STRUCTURE: [Symbol]

EXISTING SEPTIC FIELD: [Symbol]

PROPOSED SEPTIC FIELD: [Symbol]

EXISTING WELL: [Symbol]

PROPOSED WELL: [Symbol]

EXISTING SEPTIC RESERVE AREA: [Symbol]

PROPOSED SEPTIC RESERVE AREA: [Symbol]

EXISTING WETLANDS: [Symbol]

PROPOSED WETLANDS: [Symbol]

EXISTING WOODS LINE: [Symbol]

PROPOSED WOODS LINE: [Symbol]

GENERAL NOTES

- 1.) THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- 2.) [Symbol] THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 S.F. 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 SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE REQUIRED.
- 3.) EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
- 4.) TOPOGRAPHY SHOWN IS BASED ON HOWARD COUNTY GIS. THE TOPOGRAPHY HAS BEEN FIELD VERIFIED BY BENCHMARK ENGINEERING, INC., IN JUNE, 2012.
- 5.) THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
- 6.) ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT, WELL LOCATION OR WELL BOX SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF KNOWLEDGE AND BELIEF.

John M. Carey 6-20-12
PLAN PREPARER
JOHN M. CAREY
FOR BENCHMARK ENGINEERING, INC.

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

Barbara Oster Beilenson 7/5/2012
HOWARD COUNTY HEALTH OFFICER DATE

BENCHMARK ENGINEERING, INC.
ENGINEERS • LAND SURVEYORS • PLANNERS

8400 BALTIMORE NATIONAL PIKE • SUITE 418
ELLICOTT CITY, MARYLAND 21103
PHONE: 410-465-6105 • FAX: 410-465-6644
WWW.BEI-CIVILENGINEERING.COM

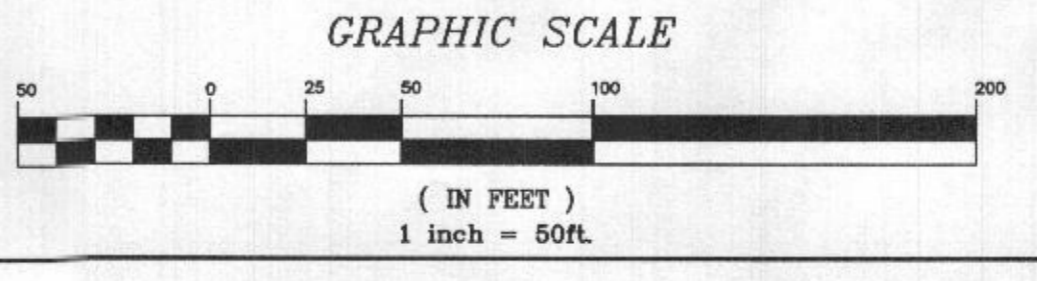
OWNER: REGIS A. GROGAN
4409 GREENWOOD ROAD
BELTSVILLE, MARYLAND 20705-2712

LOCATION: TAX MAP: 41, GRID: 9
PARCEL: 259
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

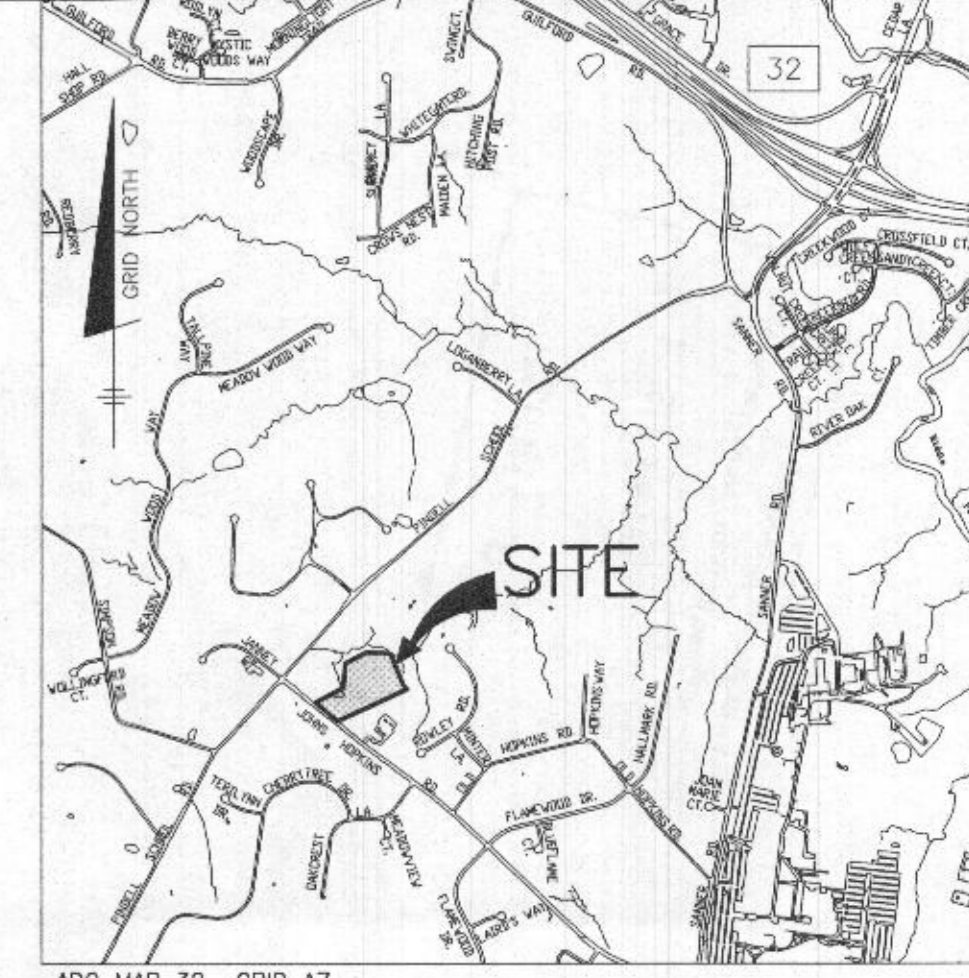
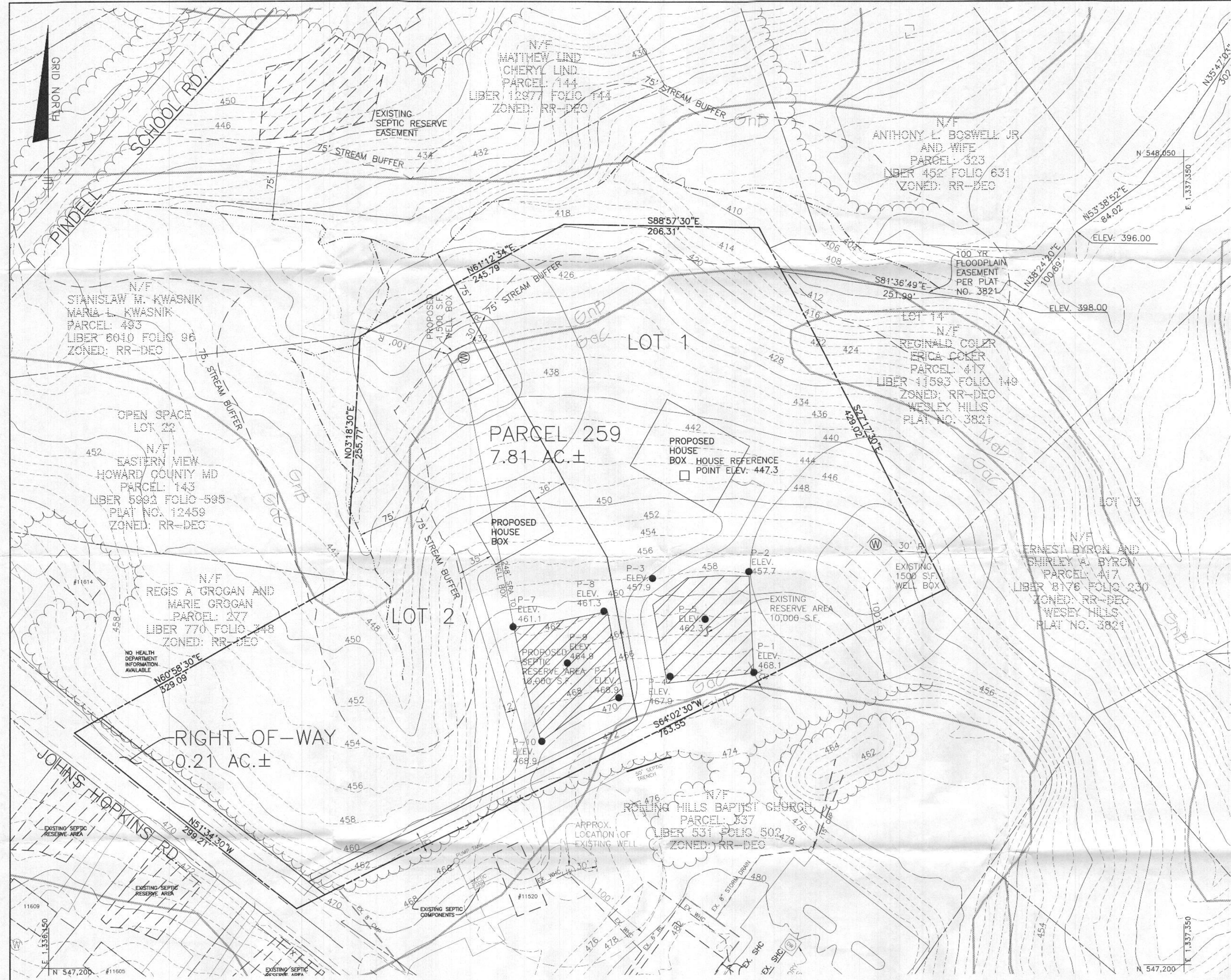
TITLE: PERCOLATION CERTIFICATION PLAN

DATE: JUNE, 2012 BEI PROJ. NO. 2473

DESIGN: JMC DRAFT: EDD CHECK: JMC SCALE: 1" = 50' SHEET 1 OF 1



PLAN



VICINITY MAP
SCALE: 1" = 2000'

LEGEND

SOILS CLASSIFICATION	Gnb	EXISTING STRUCTURE	[Symbol]	EXISTING SEPTIC FIELD	[Symbol]
SOILS DELINEATION	[Symbol]	PROPOSED STRUCTURE	[Symbol]	PROPOSED SEPTIC FIELD	[Symbol]
EXISTING CONTOURS	480, 478	EXISTING WELL	[Symbol]	EX. WELL	[Symbol]
PROPOSED CONTOURS	999	PROPOSED WELL	[Symbol]		
LIMIT OF WETLANDS	[Symbol]	PERCOLATION TEST PASSED	[Symbol]		
EXISTING WOODS LINE	[Symbol]				
PROPOSED WOODS LINE	[Symbol]				

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 - 6.) PERCOLATION PLAN FOR LOT 1 WAS APPROVED ON 7/5/2012 BY THE HEALTH OFFICER. IT WILL BE ADJUSTED FOR THIS SUBDIVISION.
 - 7.) THE HOUSE ON LOT 2 MAY REQUIRE PUMP TANK TO GET SEPTIC EFFLUENT TO THE DRAIN FIELD.
 - 8.) ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - 9.) SEPTIC TANK FOR THIS LOT TO BE 2,000 GALLONS.
 - 10.) AN ADVANCED PRE-TREATMENT SYSTEM, WHICH UTILIZED CURRENTLY ACCEPTABLE TECHNOLOGY TO PERFORM NITROGEN REDUCTION, MUST BE INSTALLED ON THE SEPTIC SYSTEM REQUIREMENTS. THIS ADVANCED PRE-TREATMENT SYSTEM SHALL BE LIMITED TO THE SYSTEM THAT HAS COMPLETED AND PASSED THE FIELD VERIFICATION AS DETERMINED BY MDE AND LISTED IN THE WEBSITE FOR BAY RESTORATION FUND (BRF) BEST AVAILABLE TECHNOLOGY FOR REMOVING NITROGEN FROM ONSITE SYSTEMS. A SUPPLEMENTAL SITE PLAN WITH ALL OF THE NECESSARY DETAILS FOR INSTALLATION OF THE SEPTIC SYSTEM WILL BE REQUIRED PRIOR TO THE RELEASE OF THE BUILDING PERMIT AND SYSTEM INSTALLATION PERMIT.
 - 11.) WAIVER FOR THE LOCATION OF THE SEPTIC SYSTEMS AND WELLS, AS SHOWN ON THIS PLAN, HAS BEEN APPROVED BY MDE. AS A CONDITION OF THE APPROVAL OF THIS WAIVER THE INITIAL AND ALL REPLACEMENT WELLS ON LOT 2 WILL REQUIRE STEEL CASINGS TO BE INSTALLED TO 50 OR TO INTO COMPETENT BEDROCK, WHICHEVER IS DEEPER. ALL SEPTIC SYSTEMS TO BE INSTALLED ON LOTS 1 AND 2 SHALL UTILIZE BEST AVAILABLE TECHNOLOGIES FOR NITROGEN REMOVAL TO TREAT SEPTIC EFFLUENT; AND THE SEPTIC SYSTEMS ON LOTS 1 AND 2 MAY BE REQUIRED TO BE LOW PRESSURE DOSE SYSTEMS.

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John M. Carney, P. E.
JOHN M. CARNEY, P. E.
PLAN PREPARER
FOR BENCHMARK ENGINEERING, INC.

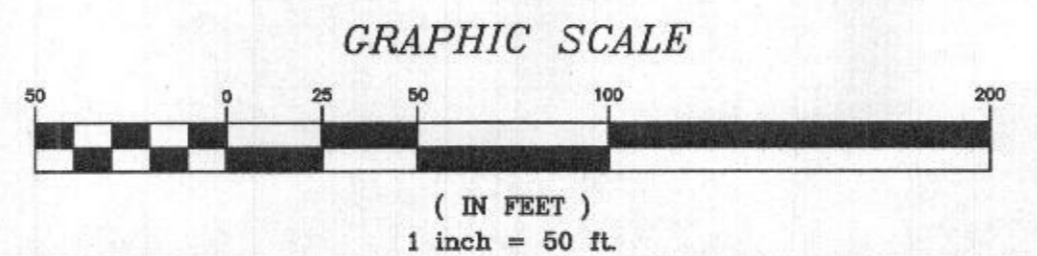
APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

Bridgette Moore-Rodman 10/14/2014
BRIDGETTE MOORE-RODMAN
HOWARD COUNTY HEALTH OFFICER
DATE 10/14/2014

SOILS CHART - SOIL SURVEY HOWARD COUNTY, MARYLAND PAGE

SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME
GaC		B		GAULA LOAM, 8 TO 15 PERCENT SLOPES
GgB		B		GLENELG LOAM, 3 TO 8 PERCENT SLOPES
GhB		B	D	GLENELG URBAN LAND COMPLEX, 0 TO 8 PERCENT SLOPES
GmB*	YES	C		GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES
GnB*	YES	C		GLENVILLE-BAILE SILT LOAM, 0 TO 8 PERCENT SLOPES
MdD		B		MANOR LOAM, 15 TO 25 PERCENT SLOPES

* INDICATES HYDRIC SOILS
** HIGHLY ERODIBLE, K>0.35, AND/OR 15% OR GREATER SLOPES
TAKEN FROM THE NRCS WEB SOIL SURVEY, AUGUST 2014, MAP 23.



BENCHMARK ENGINEERING, INC.
ENGINEERS • LAND SURVEYORS • PLANNERS

8480 BALTIMORE NATIONAL PIKE • SUITE 315
ELLICOTT CITY, MARYLAND 21043
phone: 410-465-6105 • fax: 410-465-6644
WWW.BEI-CIVILENGINEERING.COM

Superseded 5/19/20

OWNER: **HAJEET S. GILL, RAJDEEP K. GILL, 8111 CHAPEL MANOR LANE, ELLICOTT CITY, MARYLAND 21043**

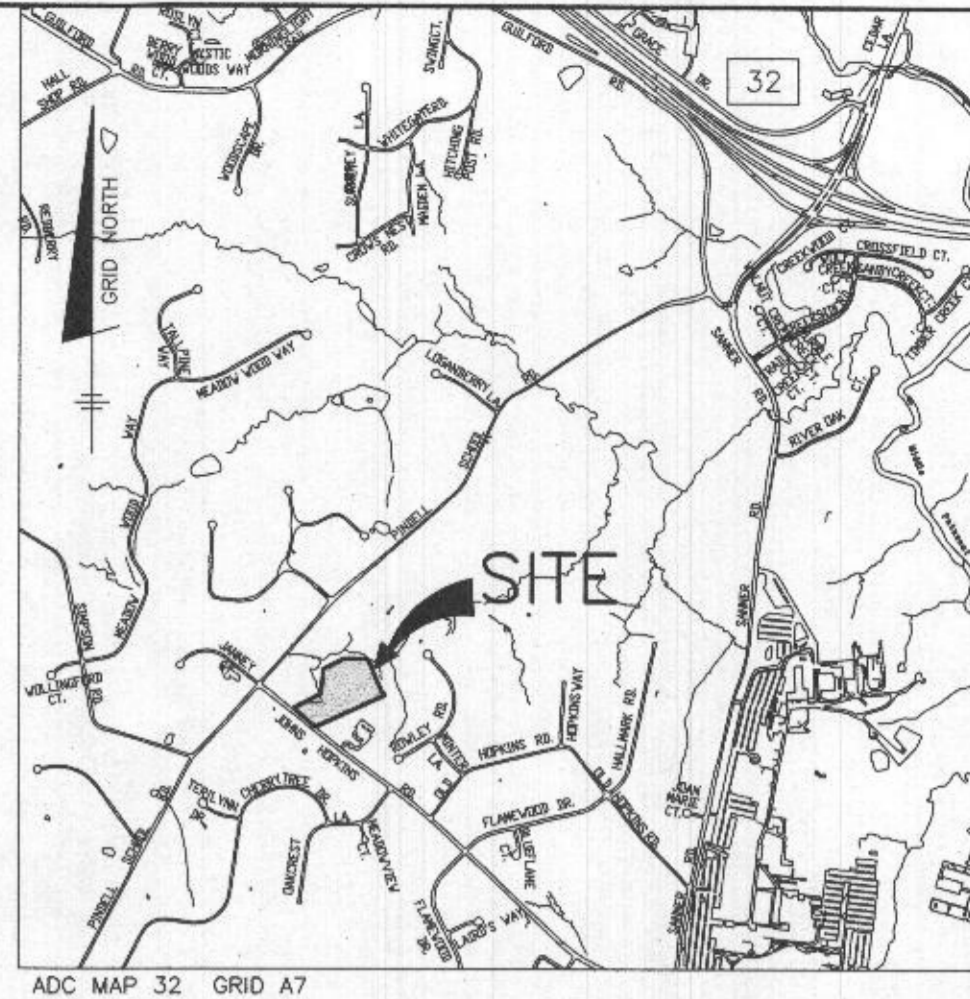
PARCEL 259 JOHNS HOPKINS ROAD LOT 2

LOCATION: TAX MAP: 41, GRID: 9
PARCEL: 259
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

TITLE: **PERCOLATION CERTIFICATION PLAN**

DATE: SEPTEMBER, 2014 BEI PROJ. NO. 2473

DESIGN: JMC DRAFT: EDD CHECK: JMC SCALE: 1" = 50' SHEET 1 OF 1



VICINITY MAP
SCALE: 1" = 2000'

LEGEND

SOILS CLASSIFICATION	EnB	EXISTING STRUCTURE	[Symbol]	EXISTING SEPTIC FIELD	[Symbol]
SOILS DELINEATION	[Symbol]	PROPOSED STRUCTURE	[Symbol]	PROPOSED SEPTIC FIELD	[Symbol]
EXISTING CONTOURS	[Symbol]	EXISTING WELL	[Symbol]	EX. WELL	[Symbol]
PROPOSED CONTOURS	[Symbol]	PROPOSED WELL	[Symbol]	PERCOLATION TEST PASSED	[Symbol]
LIMIT OF WETLANDS	[Symbol]				
EXISTING WOODS LINE	[Symbol]				
PROPOSED WOODS LINE	[Symbol]				

GENERAL NOTES

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- EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
- TOPOGRAPHY SHOWN IS BASED ON HOWARD COUNTY GIS.
- THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.
- PERCOLATION PLAN FOR LOT 1 WAS APPROVED ON 7/5/2012 BY THE HEALTH OFFICER. IT HAS BEEN ADJUSTED FOR THE SUBDIVISION.
- THE HOUSE ON LOT 2 MAY REQUIRE PUMP TANK TO GET SEPTIC EFFLUENT TO THE DRAIN FIELD.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- SEPTIC TANK FOR THIS LOT TO BE 2,000 GALLONS.
- AN ADVANCED PRE-TREATMENT SYSTEM, WHICH UTILIZED CURRENTLY ACCEPTABLE TECHNOLOGY TO PERFORM NITROGEN REDUCTION, MUST BE INSTALLED ON THE SEPTIC SYSTEM REQUIREMENTS. THIS ADVANCED PRE-TREATMENT SYSTEM SHALL BE LIMITED TO THE SYSTEM THAT HAS COMPLETED AND PASSED THE FIELD VERIFICATION AS DETERMINED BY MDE AND LISTED IN THE WEBSITE FOR BAY RESTORATION FUND (BRF). BEST AVAILABLE TECHNOLOGY FOR REMOVING NITROGEN FROM ONSITE SYSTEMS. A SUPPLEMENTAL SITE PLAN WITH ALL OF THE NECESSARY DETAILS FOR INSTALLATION OF THE SEPTIC SYSTEM WILL BE REQUIRED PRIOR TO THE RELEASE OF THE BUILDING PERMIT AND SYSTEM INSTALLATION PERMIT.
- WAVER FOR THE LOCATION OF THE SEPTIC SYSTEMS AND WELLS, AS SHOWN ON THIS PLAN, HAS BEEN APPROVED BY MDE AS A CONDITION OF THE APPROVAL OF THIS WAVER THE INITIAL AND ALL REPLACEMENT WELLS ON LOT 2 WILL REQUIRE STEEL CASINGS TO BE INSTALLED TO 50' OR 10' INTO COMPETENT BEDROCK, WHICHEVER IS DEEPER; ALL SEPTIC SYSTEMS TO BE INSTALLED ON LOTS 1 AND 2 SHALL UTILIZE BEST AVAILABLE TECHNOLOGIES FOR NITROGEN REMOVAL TO TREAT SEPTIC EFFLUENT; AND THE SEPTIC SYSTEMS ON LOTS 1 AND 2 MAY BE REQUIRED TO BE LOW PRESSURE DOSE SYSTEMS.
- THE PURPOSE OF THIS REVISED PERCOLATION CERTIFICATION PLAN IS TO ADJUST THE LAYOUT TO MATCH THE PROPOSED SUBDIVISION PLAN AND TO SHOW THE ACTUAL MEASURED SIZES OF THE SEWAGE DISPOSAL AREAS, NOT THE MINIMUM AREAS.

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF KNOWLEDGE AND BELIEF.

John M. Carney
JOHN M. CARNEY, P.E.
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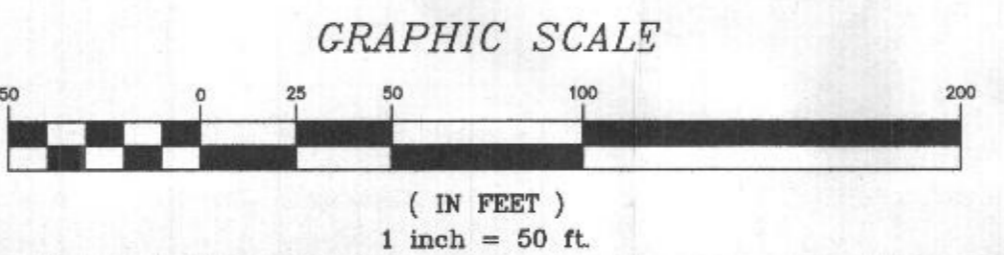
APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
HOWARD COUNTY HEALTH DEPARTMENT

Maura Ross 5/19/2020
HOWARD COUNTY HEALTH OFFICER
U.C. 214

SOILS CHART - SOIL SURVEY HOWARD COUNTY, MARYLAND PAGE

SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME
GaC	B			GAULA LOAM, 8 TO 15 PERCENT SLOPES
GaB	B			GLENELG LOAM, 3 TO 8 PERCENT SLOPES
GaB*	B	D		GLENELG URBAN LAND COMPLEX, 0 TO 8 PERCENT SLOPES
GmB*	YES	C		GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES
GmB*	YES	C		GLENVILLE-BAILE SILT LOAM, 0 TO 8 PERCENT SLOPES
ImC	B			MANOR LOAM, 15 TO 25 PERCENT SLOPES

* INDICATES HYDRIC SOILS
** HIGHLY ERODIBLE, K>0.35, AND/OR 15% OR GREATER SLOPES
TAKEN FROM THE NRCS WEB SOIL SURVEY, AUGUST 2014, MAP 23.



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8480 BALTIMORE NATIONAL PIKE • SUITE 315
ELLCOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 • FAX: 410-465-6644
WWW.BE-CIVILENGINEERING.COM

OWNER: HAJIET S. GILL, RAJDEEP K. GILL, 8111 CHAPEL MANOR LANE, ELLICOTT CITY, MARYLAND 21043

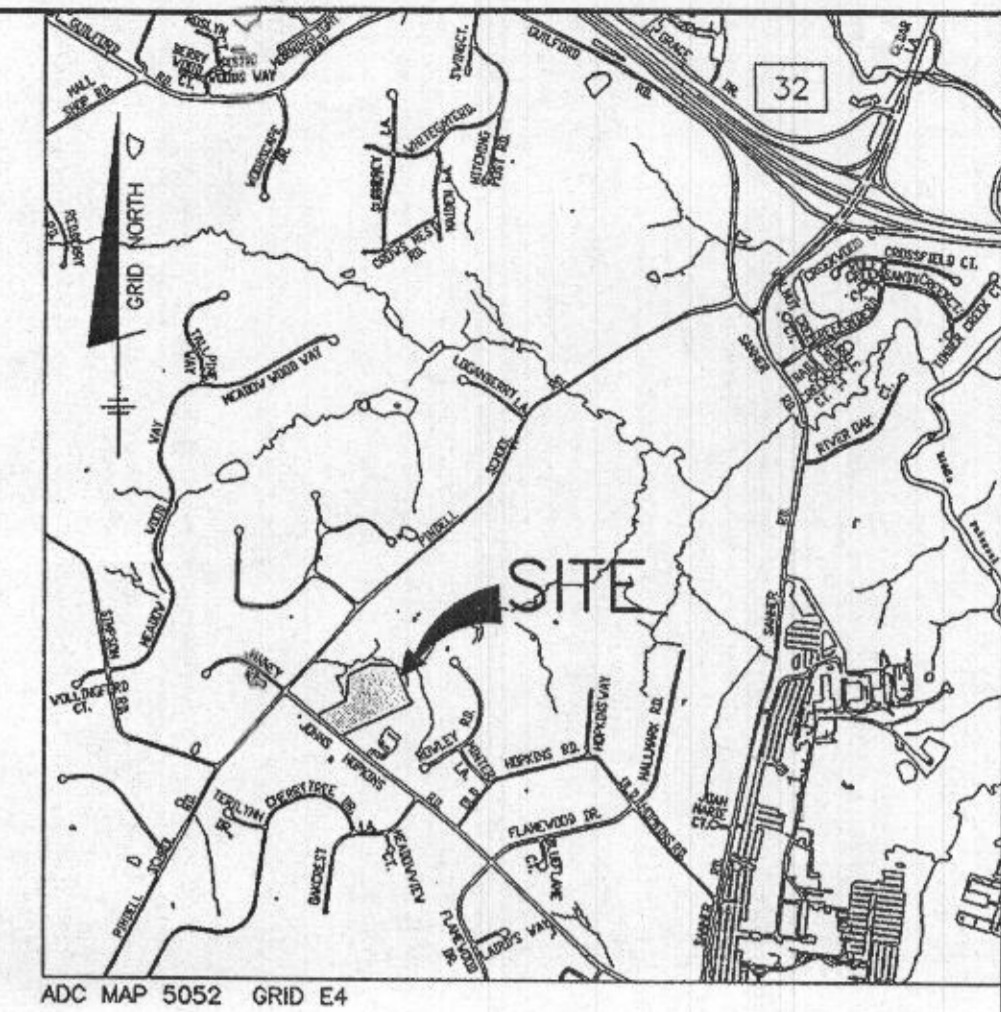
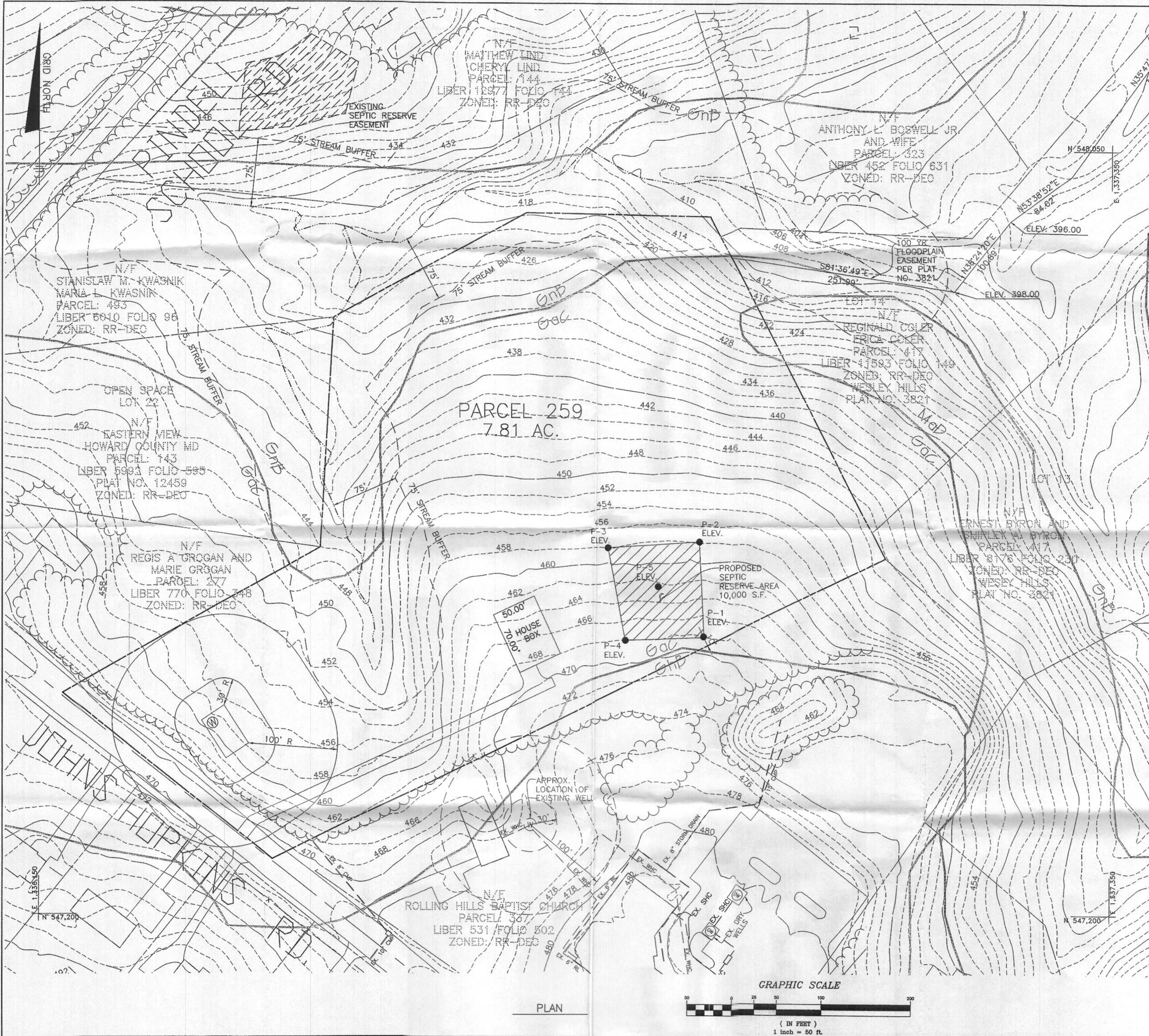
PARCEL 259 JOHNS HOPKINS ROAD LOTS 1 AND 2

LOCATION: TAX MAP: 41, GRID: 9, PARCEL: 259, ELECTION DISTRICT NO. 5, HOWARD COUNTY, MARYLAND

TITLE: REVISED PERCOLATION CERTIFICATION PLAN

DATE: APRIL, 2020 BEI PROJ. NO. 2473

DESIGN: JMC DRAFT: JC CHECK: JMC SCALE: 1" = 50' SHEET 19 OF 1



SYMBOL	HYDRIC	HYDROLOGIC GROUP	ALTERNATE GROUP	NAME
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GnB	B			GLENELG LOAM, 3 TO 8 PERCENT SLOPES
GnB*	YES	C	D	GLENELG URBAN LAND COMPLEX, 0 TO 8 PERCENT SLOPES
GnB*	YES	C	D	GLENVILLE SILT LOAM, 3 TO 8 PERCENT SLOPES
GnB*	YES	C	D	GLENVILLE BAILE SILT LOAM, 0 TO 8 PERCENT SLOPES
MaD	B			MANOR LOAM, 15 TO 25 PERCENT SLOPES

SOILS CLASSIFICATION	SOILS DELINEATION	EXISTING CONTOURS	PROPOSED CONTOURS	LIMIT OF WETLANDS	EXISTING WOODS LINE	PROPOSED WOODS LINE
GnB		480	999			

EXISTING STRUCTURE	PROPOSED STRUCTURE	EXISTING SEPTIC FIELD	PROPOSED SEPTIC FIELD	DRY WELL
[Symbol]	[Symbol]	[Symbol]	[Symbol]	[Symbol]

EXISTING WELL	EX. WELL	PERCOLATION TEST
[Symbol]	[Symbol]	[Symbol]

GENERAL NOTES

- 1) THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- 2) THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 S.F. 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 SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT PLAT SHALL NOT BE REQUIRED.
- 3) EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
- 4) TOPOGRAPHY SHOWN IS BASED ON HOWARD COUNTY GIS. 2 FOOT CONTOURS HAVE BEEN INTERPOLATED.
- 5) THERE ARE NO EXISTING WELLS OR SEPTIC SYSTEMS WITHIN 100' OF THIS PROJECT'S BOUNDARY EXCEPT AS NOTED.

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF KNOWLEDGE AND BELIEF.

John Carney 5.2.12
 JOHN CARNEY
 PLAN PREPARER

APPROVED FOR PRIVATE WATER AND SEWERAGE SYSTEM
 HOWARD COUNTY HEALTH DEPARTMENT

HOWARD COUNTY HEALTH OFFICER _____ DATE _____

BENCHMARK ENGINEERING, INC.
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 ELLICOTT CITY, MARYLAND 21043
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 WWW.BEI-CIVLENGINEERING.COM

APPLICANT: RAJDEEP S. GILL
 8111 CHAPEL MANOR LANE
 ELLICOTT CITY, MARYLAND 21043

PARCEL 259 JOHNS HOPKINS ROAD

LOCATION: TAX MAP: 41, GRID: 9
 PARCEL: 259
 ELECTION DISTRICT NO. 5
 HOWARD COUNTY, MARYLAND

TITLE: PERCOLATION TESTING PLAN

DATE: MAY, 2012 BEI PROJ. NO. 2473

DESIGN: JC DRAFT: EDD CHECK: JC SCALE: 1" = 50' SHEET 1 OF 1