



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 527830

AGENCY REVIEW: _____

DATE 10/1/07

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 4 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) Christopher & Shelly Kinnach

DAYTIME PHONE 301-785-6566 CELL _____ FAX _____

MAILING ADDRESS 8480 Murphy Road Laurel MD 20723
STREET CITY/TOWN STATE ZIP

APPLICANT Steve Heiss, LDE, Inc.

DAYTIME PHONE 410-715-1070 CELL 443-928-4135 FAX 410-715-9540

MAILING ADDRESS 9250 Rumsey Road, Suite 106 Columbia, Maryland 21045
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME 8480 Murphy Road, Laurel, MD LOT NO. 1

PROPERTY ADDRESS 8480 Murphy Road Laurel, Maryland 20723
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 46 GRID 9 PARCEL(S) 138 Existing PROPOSED LOT SIZE 0.851 Ac

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.

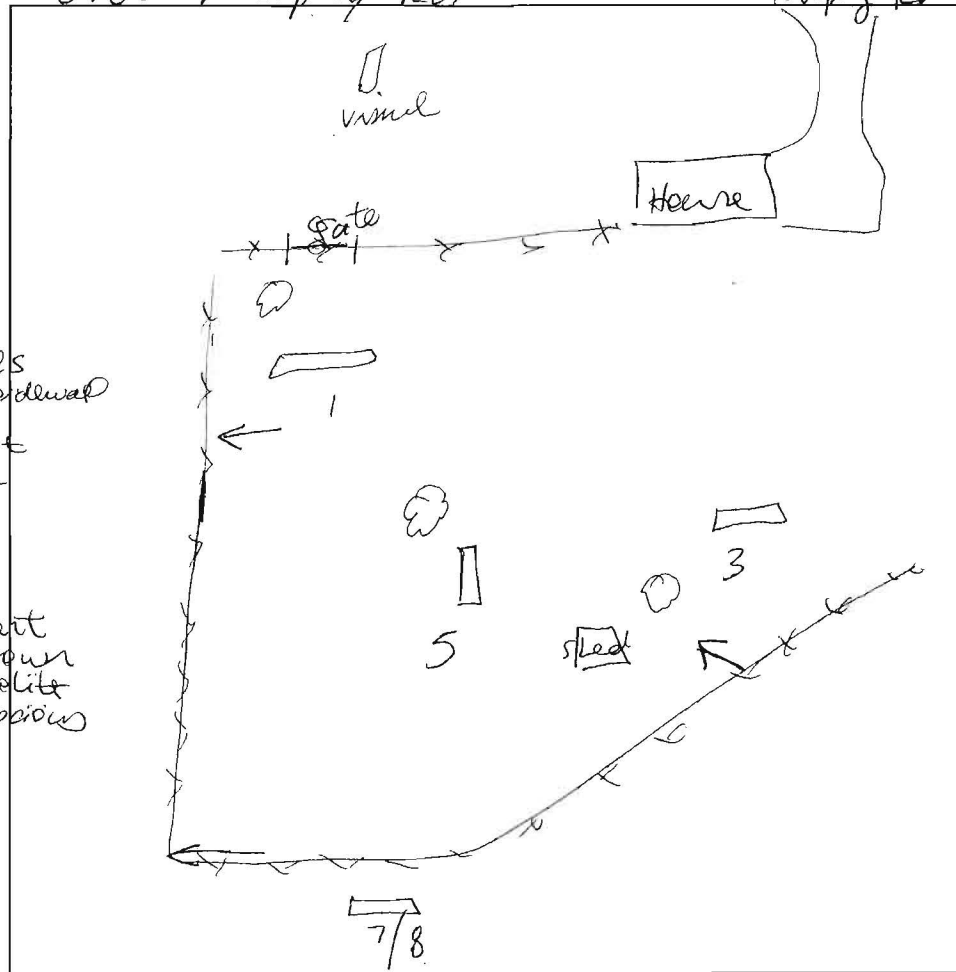
Steve Heiss
SIGNATURE OF APPLICANT

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

527830
AVP

8480 Murphy Rd Murphy Rd

1
dark brown OM
8-10" pale brown ls s.s. coarse
2' upper st. brown coarse s.s./ls cemented nodular micaceous
band of 25% chert 3'
3 1/2'
5' strong brown coarse ls micaceous saponite
29' 10-15% coarse chert dark brown/brown coarse ls saponite
13' (Tan, Mn) micaceous



7/8
dark brown
7" pale brown coarse s.s.
1-2' strong brown medium s.s. s.s.
3' coarse chert East side
4 1/2' pale brown coarse s.s. s.s. micaceous saponite
13'5"

Visual
brown dry s.s.
4' strong brown s.s. coarse micaceous strong.

no evidence of H₂O: this hole was to verify soil map no refusal 8 1/2' but reason soil.

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/25/07	1	6'/13'	10:05	10:13	10:25	12	P
	5	4'/14'	11:15	11:19	11:29	10	P
	7/8	6'/12'5"	1:20	1:22	too fast		
			1:24	1:26	1:29	3	P

[Empty box]

5
dark brown OM roots
brown fine s.s. s.s.
2' strong brown cemented s.s. saponite 15-20% ochre chert
7 1/2' gray/white (st. brown) coarse ls s.s. very micaceous saponite
14'

REMARKS dry soil, rainy weather
SANITARIAN SF/HS/KW BACKHOE Legacy OTHERS S. Heins
TEST HOLES USED IN SDA _____ AVG. PERC TIME 9.7 SQ. FT/BR 0.8
TRENCH WIDTH _____ INLET DEPTH 4 MAX. BOT DEPTH 8 EFFECTIVE SW 6'

$$\frac{4 \times 150}{0.8} = \frac{750}{0.8} = 250 \times 0.62 = 155$$

AVP _____

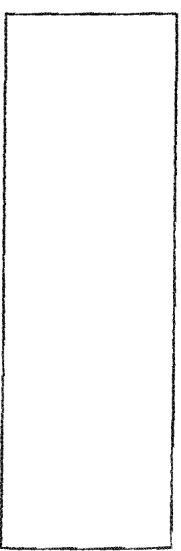
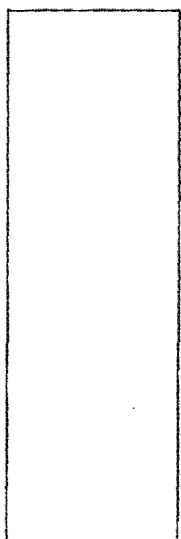
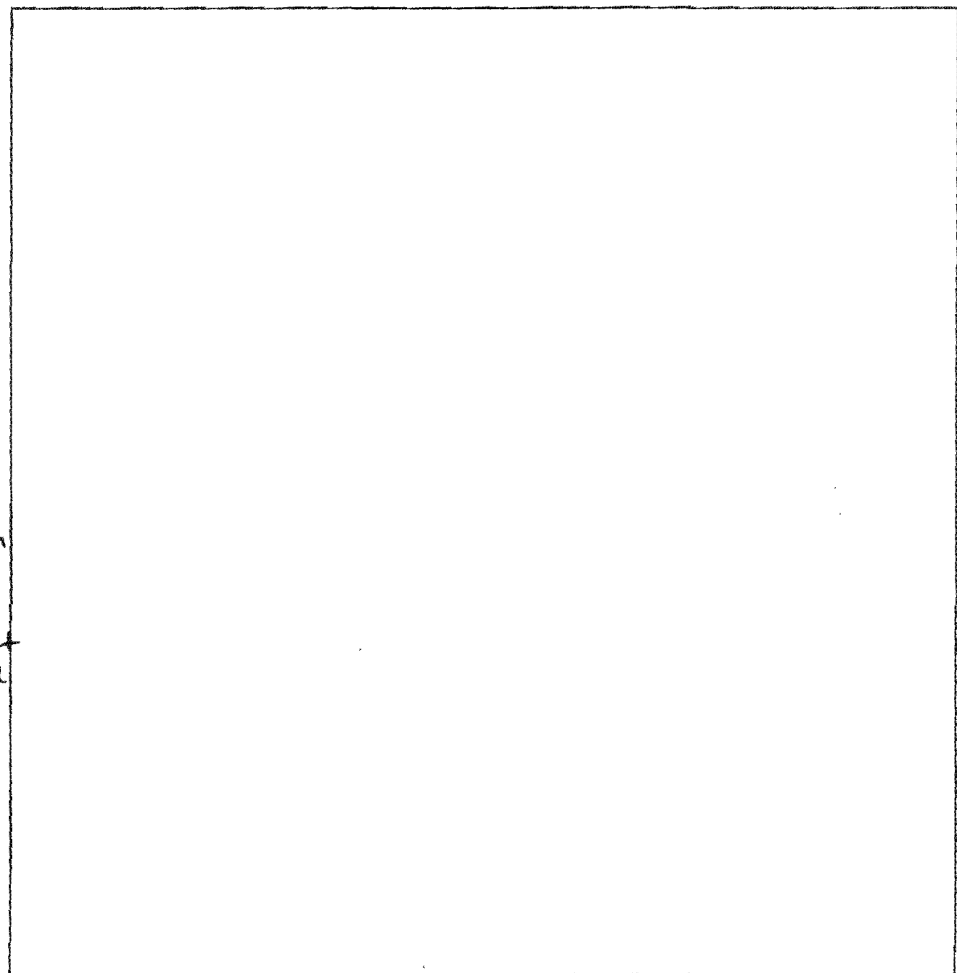
3

8" dk brn l roots sbk

orange brn med sl

2' yellow brn fine ls micaceous (clay pocket @ 3.5)

4.5 coarse strongly cemented whitish gray ls/sand Mn deposits mica schist pocket @ 5' back wall to 9'



DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/25/07	3	4.8'/13'	10:35	10:59	reshel fed		
↓	3	5.5'/13'	11:34	11:45	11:59	14	P

REMARKS _____

SANITARIAN HS/SF/KW BACKHOE ~~Legacy~~ Legacy OTHERS Steve (LDES)

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

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



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

October 31, 2007

Christopher and Shelly Kimmach
8480 Murphy Rd
Laurel, Maryland 20723

RE: Percolation Test Results – A527830
8480 Murphy Rd

Dear Mr. and Mrs. Kimmach,

Percolation testing conducted October 25, 2007 on the referenced property indicated satisfactory soil conditions. Copies of the test results are enclosed.

Further review is contingent upon submission of a percolation certification plan showing the following:

- 1) Actual surveyed locations and elevations of all excavated test holes
- 2) Proposed addition or footprint, including building restriction lines as determined by other County agencies, and driveway location if applicable
- 3) Existing property lines
- 4) Proposed well sites. Either 3 well sites with 100-foot setback for each, or one 1500 sq. ft. well box w/elliptical radius of 100' around the entire zone
- 5) A note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 6) The existing well is to be sealed prior to building permit approval
- 7) A note stating all existing and proposed wells, septic systems and sewage disposal systems located within 200 feet down gradient of existing or proposed septic systems and sewage disposal easements.
- 8) A note stating the engineer used all reasonable efforts to find the location of all surrounding wells and septic systems
- 9) Add a note stating: "The existing septic system can support a 2 bedroom maximum"
- 10) Add a note stating: "The private sewage easement can support a 3 bedroom maximum" (this statement is only relevant if the 25' setback for >25% slopes does not encroach too much)
- 11) Topography needs to be shown at 2 foot contour intervals and a note certifying topography was field run and verified and reflects field-matched information
- 12) Show 1' contour intervals along Southern edge of property line, adjacent to Parcel 228.
- 13) Extend SDA 10' from test hole #1 and #2(not dug) while maintaining a 20' setback from the house
- 14) A note stating, "All wells to be drilled prior to building permit approval. It is the developer's responsibility to schedule the well drilling prior to building permit submission. It will not be considered 'government delay' if the well drilling holds-up the Health Department signature of the permit."
- 15) A MDE sewage disposal area statement is required
- 16) MDE minimum lot width statement
- 17) Include the statement, "Any changes to a private sewage easement shall require a revised perc certification plan"
- 18) Identification of streams, ponds, wetlands, floodplains, slopes >25%, soil types and soil type boundaries
- 19) Legend symbols to distinguish between new holes, any existing holes previously documented (by the HCHD), passed holes, failed holes, and any holes held for future review

- 20) Existing structures, wells, septic easements and other septic system components such as tanks, dry wells and distribution boxes. Description of use and intent designated for each item, e.g. 'to remain' or 'remove.'
- 21) A health officer signature block stating "approved for private water and private sewer systems."
- 22) Include the date the lot was recorded
- 23) Professional seal or signed statement that "I certify that the information shown heron is based on field work performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief."
- 24) Identification of the property, road, street address if applicable, tax map page, parcel number, subdivision name (if appropriate); add purpose statement as appropriate, e.g. subdivision, SDA adjustment, percolation certification plan etc
- 25) Name, address and telephone number of each owner, developer and the plan author.
- 26) The date the plan was drawn, the plan scale (1:20 - 1:100), a scaled vicinity map and, the A # (percolation test fee receipt number, referenced in the HCHD correspondence)

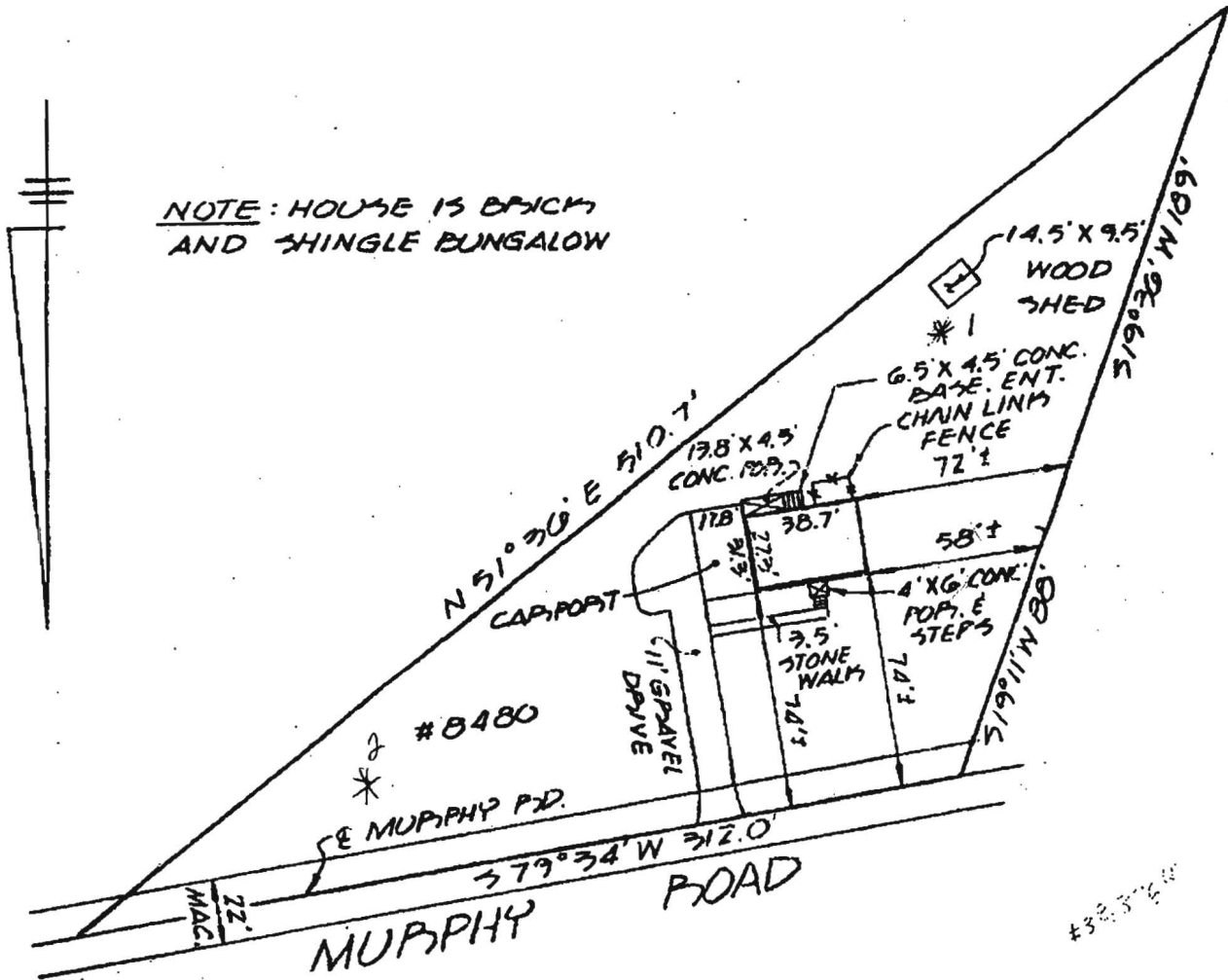
If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-4261.

Sincerely,

Sara Sappington, R.S.
Well and Septic Program
Development Coordination Section

Enclosures
Cc: Steve Heiss, LDE Inc.

Plat of Property known as #8480 Murphy Road, and recorded among the Land Records of Howard County in Liber 1199, Folio 715.



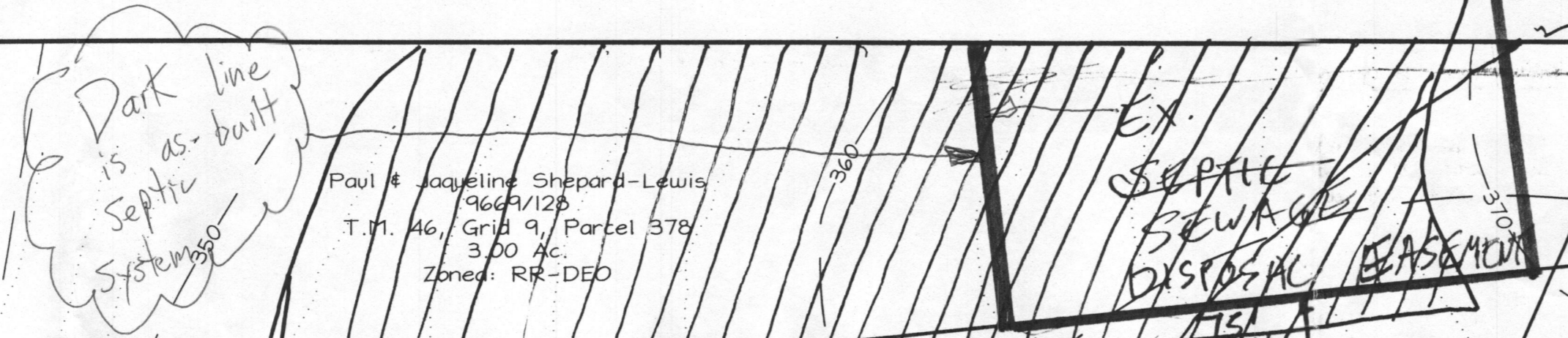
NOTE: HOUSE IS BRICK AND SHINGLE BUNGALOW

This is to certify that the improvements indicated hereon are located as shown. This is not a property line survey and should not be used as such.



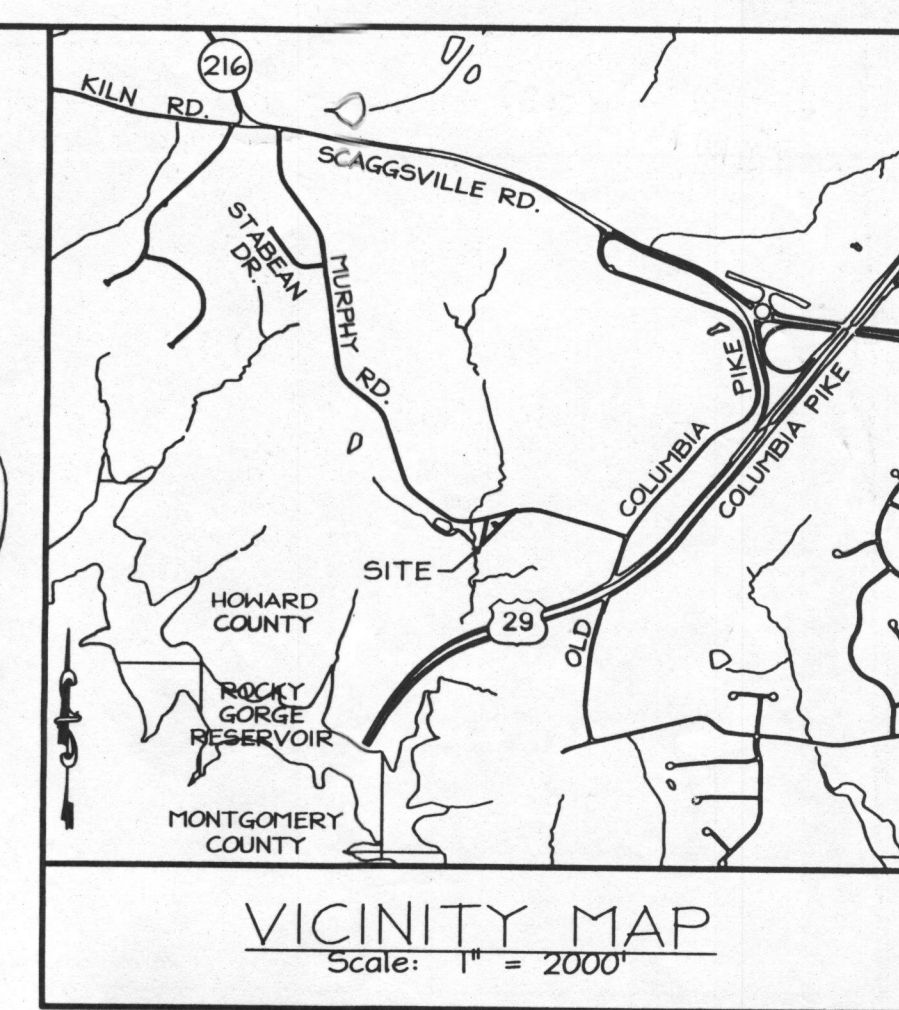
Sourabh Munshi.

DON LYNCH ASSOC., INC.
 4907 HARFORD ROAD
 BALTIMORE, MD. 21214



Show offsite Septic area exactly as I've drawn it.

Show 100' Radius around ex. offsite well



LEGEND

- Minor Contour- (2' Interval)
- Index Contour- (10' Interval)
- Soils Boundary
- Existing Driveway-
- Proposed Well- Primary
- Existing Well
- Proposed Secondary Well
- Proposed New Septic Easement to be added
- Proposed Percolation Test Hole



Howard County Maryland
10385/298
T.M. 46, Grid 8, Parcel 115
33.17 Ac.
Zoned: RR-DEO

Christopher & Shelly Kinnach
8035/659
T.M. 46, Grid 9, Parcel 38
0.857 Ac.
Zoned: RR-DEO

Elizabeth Iager, Trustee
476/715
T.M. 46, Grid 9, Parcel 228
21.69 Ac.
Zoned: RR-DEO

Proposed Septic Easement for two (2) replacement systems
Area = 6,666 s.f. (min.)

Dean, Please compute LOD sq Footage.

well east of 20' access width for new system

Sara,
Please see ex. septic across Murphy Road. We cannot get our (3) wells onsite due to this. Any suggestions? I am thinking of getting an offsite well easement from farmer. Steve Heiss

Dean:
This number is subject to change based on your LOD calculation. Thanks!

Add a note = soil conditions do not support wet wash soil per field evaluation

- GENERAL NOTES**
- Existing Zoning: RR-DEO
 - Dead Reference: L, 5556, F, 221
 - Total area of Lot: 37,331 s.f. / 0.857 Ac.
 - The lot shown complies with the minimum lot area and ownership width as required by the Maryland State Department of the Environment.
 - Existing wells and septic areas have been shown within 100 feet of lot 32.
 - The topography shown hereon was field run by LDE, Inc. in July, 2007. The area within the septic easement has been field verified.
 - The purpose of this application plan is to insure sufficient septic easement area for two backup systems.
 - The subject lot has an existing house and driveway to remain. An addition to the existing house is proposed.
 - Soils information shown hereon was taken from the latest Howard County Soil Survey.
 - The existing well located on the subject lot shall be abandoned in accordance with Health Department procedures. A new well will be drilled at a distance greater than 100' from the existing septic system.
 - Any changes to a private sewage easement shall require a revised percolation certification plat.
 - Total limit of disturbance: 3900 sq. ft. / 0.09 Ac.

Per meeting 11/21/07
- incl. a statement indicating replacement area to be available when ex. system fails + is abandoned
- include regarding easement area
- remove holes not tested
- include burn
- add soil analysis note

11/16/07
off-site well easement appears to be an option for this lot, if a percolation is confirmed a 20' min width is required.

SOILS LEGEND

HYDROLOGIC SOIL GROUP	SOIL SYMBOL	DESCRIPTION	REMARKS
B	MaC	Manor Loam, 8% - 15% slopes	-
C	GmB	Glenville Silt Loam, 3% - 8% slopes	-

Percolation Certification
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.

D. Wayne Weller, Professional Land Surveyor
MD Reg. No. 10585
Date

This area designates a private sewage easement of at least 10,000 square feet as required by the Maryland Department of the 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 the authority to grant adjustments to the private sewage easement. Recordation of a revised sewage easement shall not be necessary.

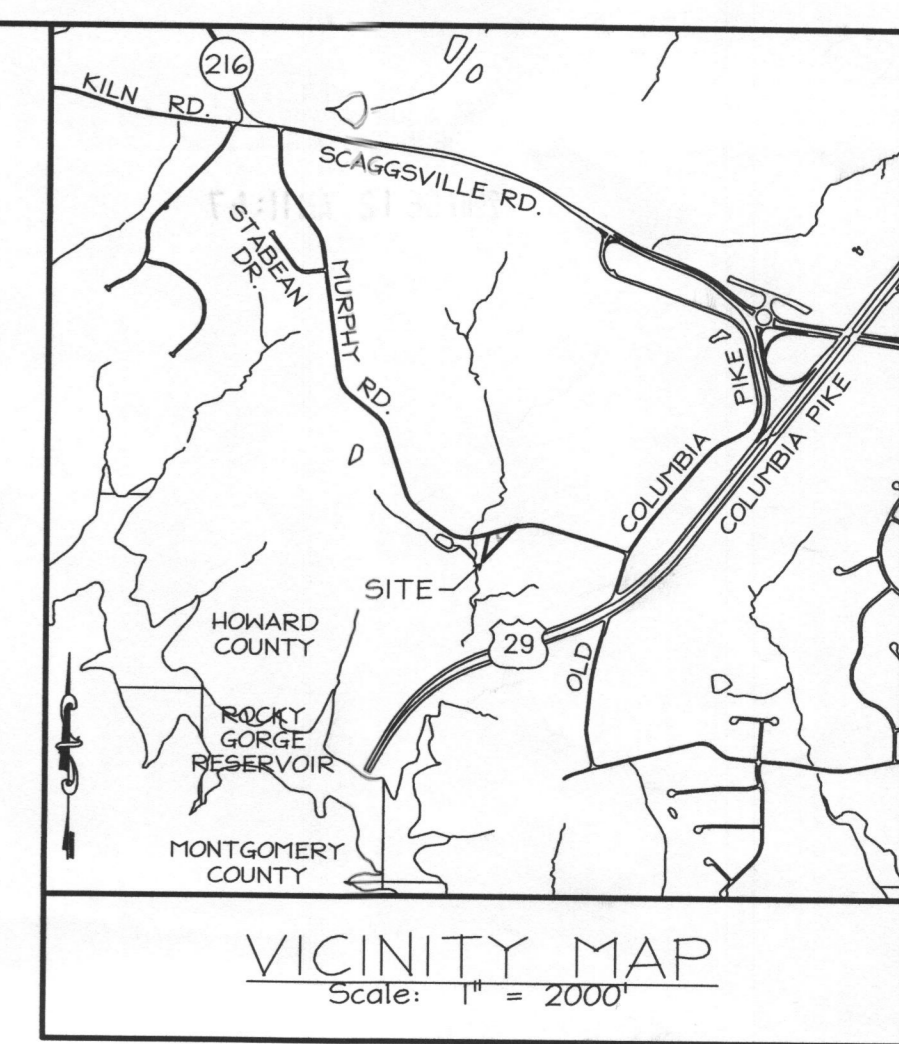
Final Perc Cert Plat & Plot Plan for Building Permit

LDE Inc.

Engineers, Surveyors, Planners
9250 Ramsey Road, Suite 106 Columbia, Maryland - 21045
(410)715-1070 - (301)596-3424 - FAX (410)715-9540

DESIGNED S.D.H.	Percolation Application Testing Plan	SCALE 1" = 20'
DRAWN G.D.W.		DRAWING 1 of 1
CHECKED B.D.B.	Kinnach Residence 8480 Murphy Road Laurel, Maryland 20723 Tax Map 46, Grid 9, Parcel 138 5th Election District Howard County, Maryland	JOB NO. 07-009
DATE 9/2007		PREVIOUS SUBMITTALS: OWNER/DEVELOPER: Christopher and Shelly Kinnach 8480 Murphy Road Laurel, MD 20723 Phone: 301-490-6058

Approved: For private water and private sewerage systems
Howard County Health Department
Howard County Health Officer
Date



LEGEND

- Minor Contour- (2' Interval)
- Index Contour- (10' Interval)
- Prop. Contours
- Soils Boundary
- Existing Driveway-
- Prop. Primary Well- (W)
- Prop. Secondary Well- (●)
- Existing Well- (⊗)
- Proposed New Septic Easement to be added (Hatched area)
- Passing Percolation Test Hole (⊕)
- Visual Percolation Test Hole (●)
- Limit of Disturbance (●●●●)
- Silt Fence (—SF—SF—SF—)

- GENERAL NOTES**
- Existing Zoning: RR-DEO
 - Deed Reference: L 5556, F. 221
 - Total area of Lot: 37,331 s.f. / 0.857 Ac.
 - The lot shown complies with the minimum lot area and ownership width as required by the Maryland State Department of the Environment.
 - Existing wells and septic areas have been shown within 100 feet of Parcel 13B.
 - The topography shown hereon was field run by LDE, Inc. in July, 2007. The area within the septic easement has been field verified.
 - The purpose of this application plan is to insure sufficient septic easement area for two backup systems.
 - The subject lot has an existing house and driveway to remain. An addition to the existing house is proposed.
 - Soils information shown hereon was taken from the latest Howard County Soil Survey.
 - The existing well located on the subject lot shall be abandoned in accordance with Health Department procedures. A new well will be drilled at a distance greater than 100' from the existing septic system, prior to building permit approval. It is the developer's responsibility to drill the new well and abandon the existing well prior to building permit approval.
 - Any changes to a private sewage easement shall require a revised percolation certification plat.
 - The proposed replacement septic easement is sized to accommodate a 4 bedroom house (maximum). Inlet Depth = 4.0 ft. Maximum bottom depth = 8 ft. Effective Sideswall = 6'
 - No new septic system proposed.
 - Total limit of disturbance: 4,424 sq. ft./0.10 Ac.
 - Soil conditions observed in field do not support wet season testing.
 - The existing shed shown hereon is on skids and is moveable.

PERCOLATION TESTING RESULTS
Tests conducted on October 25, 2007

Hole No.	Maximum Depth	Shelf Depth	Soils Description	Pass / Fail
1	13 ft.	6 ft.	Brown, coarse, sandy micaceous loam	Pass
2			Not Tested per Sanitarians Direction	
3	13 ft.	5.5 ft.	Coarse cemented sand, w/ mica schist, small clay pocket	Pass
4			Not Tested per Sanitarians Direction	
5	14 ft.	4 ft.	Fine white, cemented sand w/ deep saprolite	Pass
6			Not Tested per Sanitarians Direction	
*7				
*8	12.5 ft.	6 ft.	Stony, clayey, micaceous loam	Pass
ex. system	8.5 ft.	N/A	Rocky, silty loam, Visual Only adjacent to ex. system	OK

Notes: *1. One test hole was dug between the stakes for holes 7 and 8.
2. No water was encountered in the bottom of any holes tested.

PERCOLATION TEST HOLE ELEVATIONS RESULTS
Tests conducted on October 25, 2007

Hole No.	Surveyed Surface Elevation
1	347.43
2	353.67
3	356.98
4	346.62
5	352.91
6	356.87
*7	
*8	351.80
ex. system	349.00

SOILS LEGEND

HYDROLOGIC SOIL GROUP	SOIL SYMBOL	DESCRIPTION	REMARKS
B	MaC	Manor Loam, 8% - 15% slopes	
C	GmB	Glenville Silt Loam, 3% - 8% slopes	

Perc Certification
I certify that the information shown on this plat is based on field work performed by me or under my direct supervision and is correct, to the best of my knowledge and belief.

D. Wayne Welter
D. Wayne Welter, Professional Land Surveyor
MD Reg. No. 10585

12/12/07
Date

This area designates a private sewage easement of at least 10,000 square feet as required by the Maryland Department of the 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 the authority to grant adjustments to the private sewage easement. Recordation of a revised sewage easement shall not be necessary.

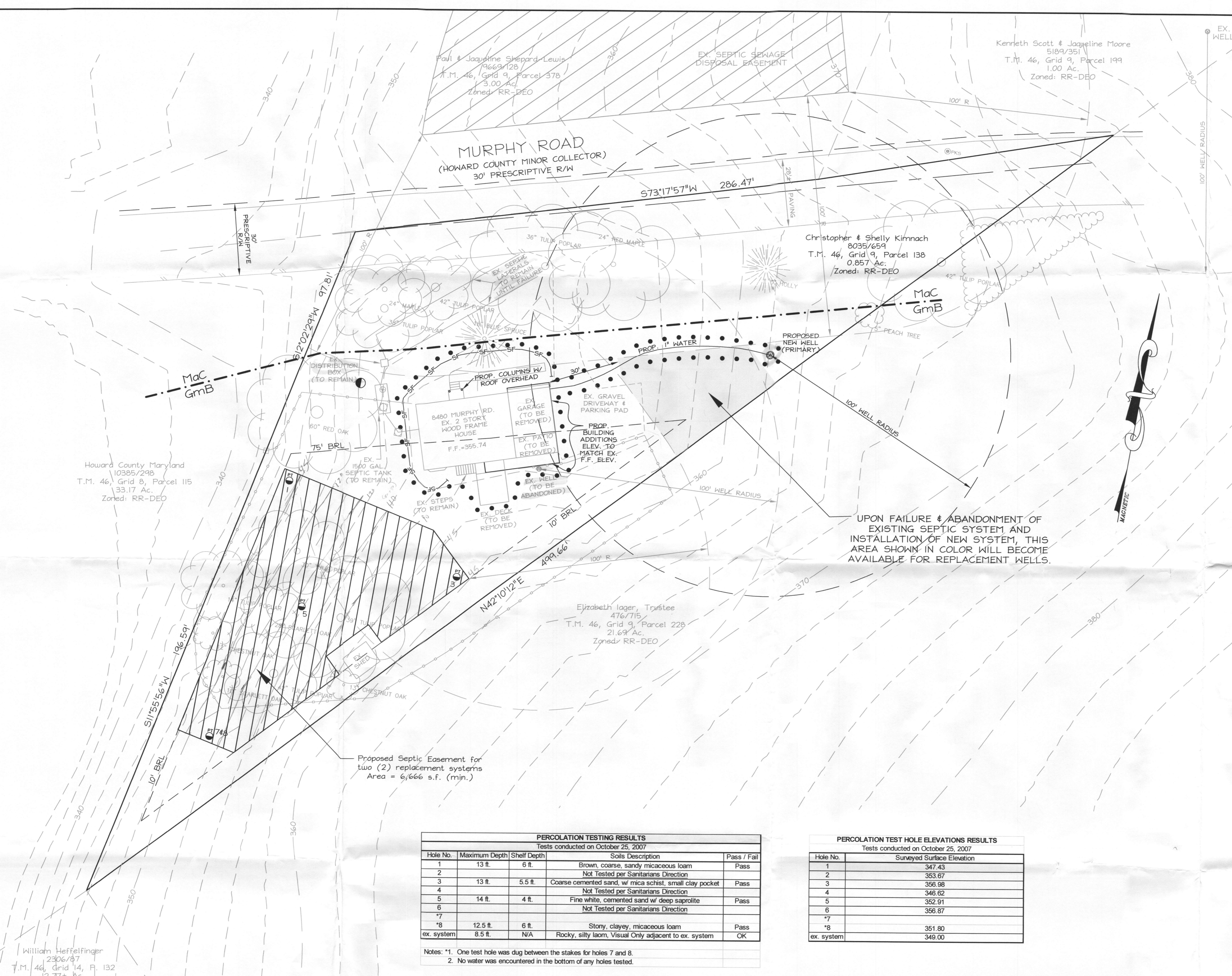
LDE Inc.
Engineers, Surveyors, Planners
9250 Ramsey Road, Suite 106 Columbia, Maryland - 21045
(410)715-1070 - (301)596-3424 - FAX (410)715-9540

DESIGNED S.D.H.	Final Percolation Certification Plat and Plot Plan for Building Permit A527830 Kinnach Residence 8480 Murphy Road Laurel, Maryland 20723 Tax Map 46, Grid 9, Parcel 13B 5th Election District Howard County, Maryland	SCALE 1" = 20'
DRAWN G.D.W.		DRAWING 1 of 1
CHECKED B.D.B.		JOB NO. 07-009
DATE 12/20/07		OWNER/DEVELOPER: Christopher and Shelly Kinnach 8480 Murphy Road Laurel, MD 20723 Phone: 301-490-6058

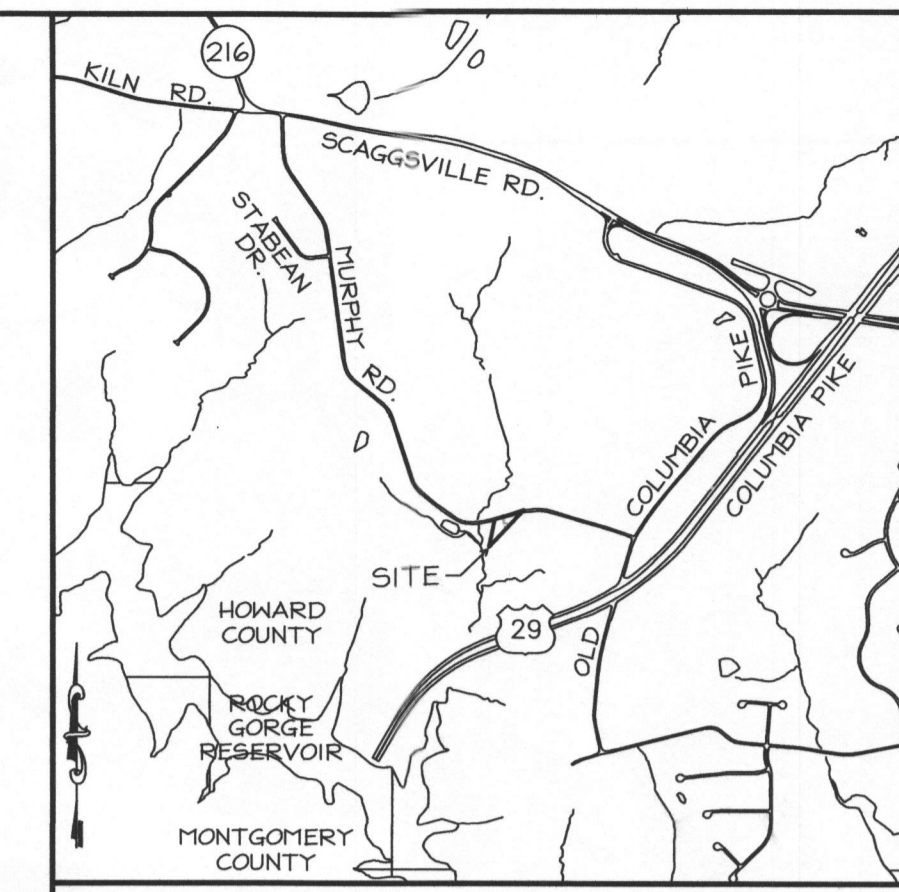
Approved: For private water and private sewerage systems
Howard County Health Department

Richard J. Davis
Richard J. Davis
Howard County Health Officer

12/31/07
Date



UPON FAILURE & ABANDONMENT OF EXISTING SEPTIC SYSTEM AND INSTALLATION OF NEW SYSTEM, THIS AREA SHOWN IN COLOR WILL BECOME AVAILABLE FOR REPLACEMENT WELLS.



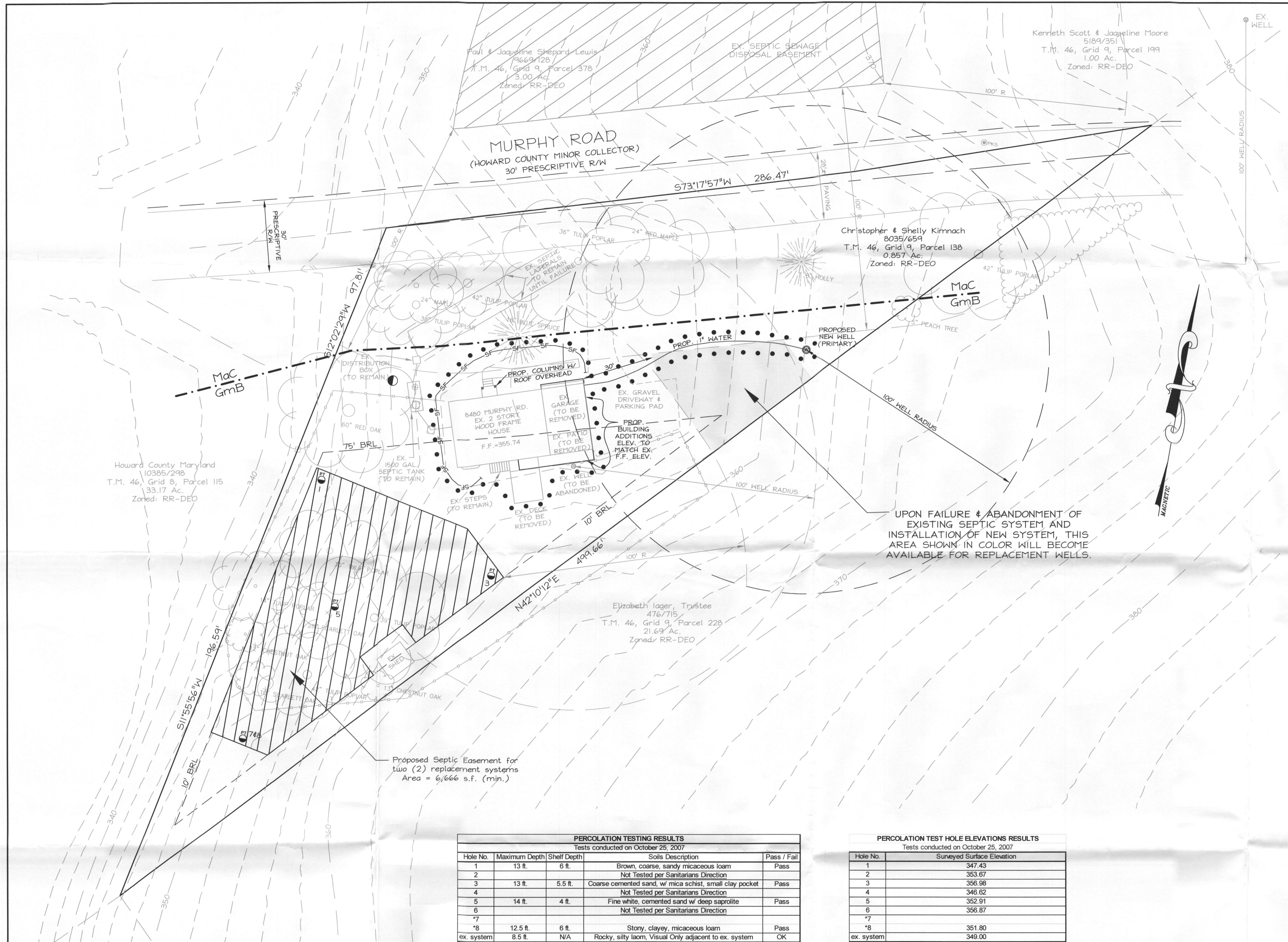
VICINITY MAP
Scale: 1" = 2000'

LEGEND

- Minor Contour- (2' Interval)
- Index Contour- (10' Interval)
- Prop. Contours
- Soils Boundary
- Existing Driveway-
- Prop. Primary Well-
- Prop. Secondary Well
- Existing Well
- Proposed New Septic Easement to be added
- Passing Percolation Test Hole
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- Limit of Disturbance
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GENERAL NOTES

1. Existing Zoning: RR-DEO
2. Deed Reference: L. 5556, F. 221
3. Total area of Lot: 37,331 s.f. / 0.857 Ac.
4. The lot shown complies with the minimum lot area and ownership width as required by the Maryland State Department of the Environment.
5. Existing wells and septic areas have been shown within 100 feet of Parcel 138.
6. The topography shown hereon was field run by LDE, Inc. in July, 2007. The area within the septic easement has been field verified.
7. The purpose of this application plan is to insure sufficient septic easement area for two backup systems.
8. The subject lot has an existing house and driveway to remain. An addition to the existing house is proposed.
9. Soils information shown hereon was taken from the latest Howard County Soil Survey.
10. The existing well located on the subject lot shall be abandoned in accordance with Health Department procedures. A new well will be drilled at a distance greater than 100' from the existing septic system, prior to building permit approval. It is the developers responsibility to drill the new well and abandon the existing well prior to building permit approval.
11. Any changes to a private sewage easement shall require a revised percolation certification plat.
12. The proposed replacement septic easement is sized to accommodate a 4 bedroom house (maximum).
inlet Depth = 4.0 ft.
Maximum bottom depth = 8 ft.
Effective Sidewall = 6'
13. No new septic system proposed.
14. Total limit of disturbance: 4,424 sq. ft./0.10 Ac.
15. Soil conditions observed in field do not support wet season testing.
16. The existing shed shown hereon is on skids and is moveable.



UPON FAILURE & ABANDONMENT OF EXISTING SEPTIC SYSTEM AND INSTALLATION OF NEW SYSTEM, THIS AREA SHOWN IN COLOR WILL BECOME AVAILABLE FOR REPLACEMENT WELLS.

PERCOLATION TESTING RESULTS				
Tests conducted on October 25, 2007				
Hole No.	Maximum Depth	Shelf Depth	Soils Description	Pass / Fail
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ex. system	8.5 ft.	N/A	Rocky, silty loam, Visual Only adjacent to ex. system	OK

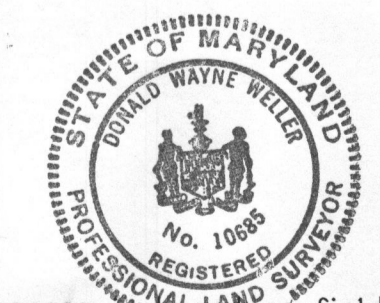
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C	GmB	Glenville Silt Loam, 3% - 8% slopes	-

Perc Certification
I certify that the information shown hereon is true and correct, and is based on field work performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief.

Wayne Keller
Wayne Keller, Professional Land Surveyor
MD Reg. No. 10565
Date: 12/12/07



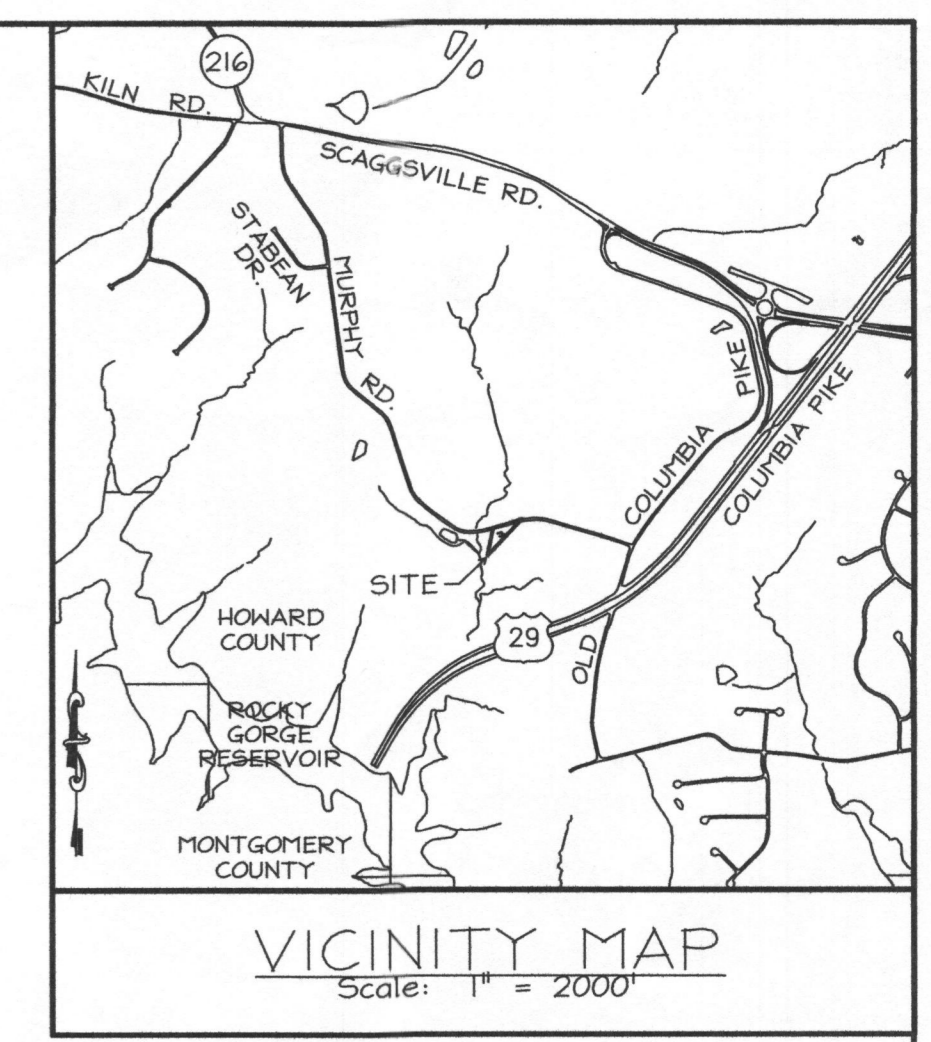
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William Heffelfinger
2306/87
T.M. 46, Grid 14, P. 132
12.77± Ac.
Zoned: RR-DEO

Approved: For private water and private sewerage systems
Howard County Health Department

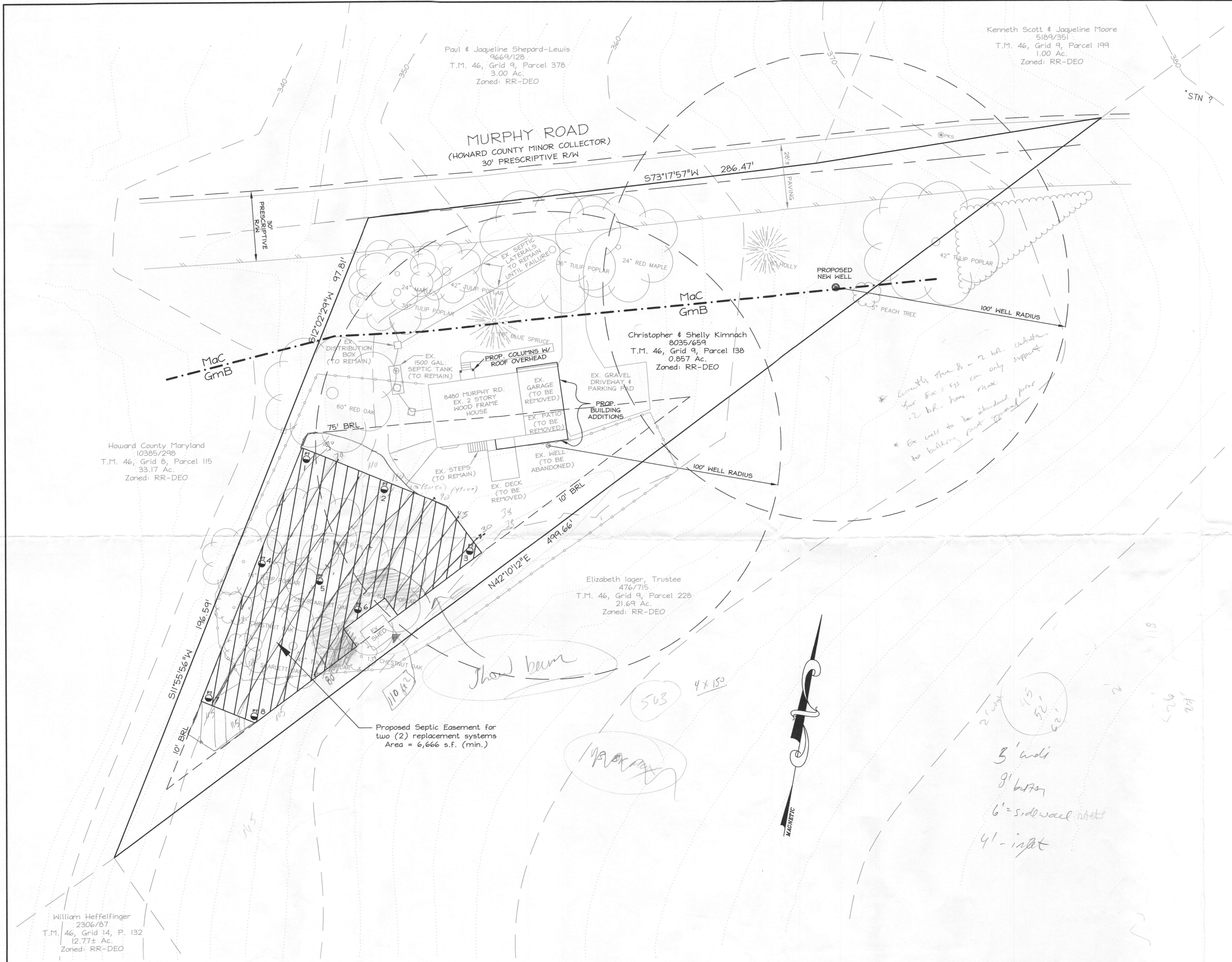
Richard A. Lewis
Richard A. Lewis
Howard County Health Officer
12/11/07
Date

LDE Inc.		
Engineers, Surveyors, Planners 9250 Ramsey Road, Suite 106 Columbia, Maryland - 21045 (410)715-1070 - (301)596-3424 - FAX(410)715-9540		
DESIGNED S.D.H.	Final Percolation Certification Plat and Plot Plan for Building Permit A527830	SCALE 1" = 20'
DRAWN G.D.W.	Kinnach Residence 8480 Murphy Road Laurel, Maryland 20723	DRAWING 1 of 1
CHECKED B.D.B.	Tax Map 46, Grid 9, Parcel 138 5th Election District Howard County, Maryland	JOB NO. 07-009
DATE 12/2007	PREVIOUS SUBMITTALS: OWNER/DEVELOPER: Christopher and Shelly Kinnach 8480 Murphy Road Laurel, MD 20723 Phone: 301-490-6058	FILE NO.



LEGEND

- Minor Contour- (2' Interval)
- Index Contour- (10' Interval)
- Soils Boundary
- Existing Driveway-
- Proposed Well-
- Existing Well
- Proposed New Septic Easement to be added
- Proposed Perculation Test Hole



** Currently there is a 2 hr. well in the lot. It is a 2 hr. well. It is not to be abandoned prior to building out the proposed well.*

John beam

*3' wide
9' buffer
6' sidewalk offset
4' - inlet*

GENERAL NOTES

1. Existing Zoning: RR-DEO
2. Deed Reference: L. 5556, F. 221
3. Total area of Lot: 37,331 s.f., 0.857 Ac.
4. The lot shown complies with the minimum lot area and ownership width as required by the Maryland State Department of the Environment.
5. Existing wells and septic areas have been shown within 100 feet of lot 32.
6. The topography shown hereon was field run by LDE, Inc. in July, 2007. The area within the septic easement has been field verified.
7. The purpose of this application plan is to insure sufficient septic easement area for two backup systems.
8. The subject lot has an existing house and driveway to remain. An addition to the existing house is proposed.
9. Soils information shown hereon was taken from the latest Howard County Soil Survey.
10. The existing well located on the subject lot shall be abandoned in accordance with Health Department procedures. A new well will be drilled at a distance greater than 100' from the existing septic system.
11. Any changes to a private sewage easement shall require a revised percolation certification plat.

SOILS LEGEND			
HYDROLOGIC SOIL GROUP	SOIL SYMBOL	DESCRIPTION	REMARKS
B	MaC	Manor Loam, 8% - 15% slopes	-
C	GmB	Glennville Silt Loam, 3% - 8% slopes	-

Perc Certification
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.

D. Wayne Weller, Professional Land Surveyor
MD Reg. No. 10585

This area designates a private sewage easement of at least 10,000 square feet as required by the Maryland Department of the 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 the authority to grant adjustments to the private sewage easement. Recordation of a revised sewage easement shall not be necessary.

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DESIGNED S.D.H.	Percolation Application Testing Plan	SCALE 1" = 20'
DRAWN G.D.W.	Kinnach Residence 8480 Murphy Road Laurel, Maryland 20723	DRAWING 1 of 1
CHECKED B.D.B.	Tax Map 46, Grid 9, Parcel 138 5th Election District Howard County, Maryland	JOB NO. 07-009
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