



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_

A/P 581999

AGENCY REVIEW: \_\_\_\_\_

DATE 11-12-09

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 2 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) MARTIN & CAROL SILVER

DAYTIME PHONE 410-290-0034 CELL 301-233-8302 FAX \_\_\_\_\_

MAILING ADDRESS 8712 ENDLESS OCEAN WAY COLUMBIA MD 21045  
STREET CITY/TOWN STATE ZIP

APPLICANT Shanaberger & Lane - (Car SHANABERGER)

DAYTIME PHONE 410-461-9563 CELL 717-357-5674 FAX 410-461-9693

MAILING ADDRESS 8726 Town & Country Blvd. SUITE 201 Ellicott City MD 21043  
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME SILVER PROPERTY (NW COR & MANOR LN) LOT NO. RT 108

PROPERTY ADDRESS 10820 Clarksville Pike (RT 108) ELlicott City, MD 21042  
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 29 GRID 11 PARCEL(S) 350 PROPOSED LOT SIZE Actual Size 2.63Ac ±

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.

Car R Silver  
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

AP

3

dk bml  
lt brn  
heavy  
scl  
1 csk

1'

red/orgr  
brn scl  
20% quartz

3.5'

yellow red  
scl 15% rx

4.5'

↓  
moist brn  
mottled scl  
Fe + Mn cl

8'

2

dk bml  
reddish  
brn 15%  
quartz  
scl

6"

yellow brn  
gres  
saprinite

4'

multicolor  
ls saprinite  
dens gray  
mottled  
bottom

5'

9'

11'

12'

See plan  
for locations

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
12-8-09	1	4.5' / 13'	8:56	too	slow	reshell	
	4	5' / 12.5'	9:11	9:17	9:35	18	P
	1	5.8' / 13'	9:00	9:12	9:22	10	P
	5	12'	OBSERVATION				P
	3	10.5'	OBSERVATION				F
	2	4' / 12'	9:42	9:45	9:49	4	P

REMARKS SDA "A"

SANITARIAN HS BACKHOE Mike OTHERS

TEST HOLES USED IN SDA 5 AVG. PERC TIME SQ. FT/BR

TRENCH WIDTH INLET DEPTH 4 MAX. BOT DEPTH 7-8' EFFECTIVE SW 1.5'-2'

5' bml sbk  
red brn  
Hsbk scl

2.5' yellow brn  
reddish  
scl  
few mica  
saprinite

6.5' ↓ yellow brn  
fsl  
yellow  
brn ls  
saprinite

9" 4 red brn  
scl  
red brn  
scl  
2 csk  
20% rx (quartz)

35' yellow red  
brn scl  
↓  
yellow brn  
fsl  
micaceous

10' gray brn  
fsl  
moist 10% rx

12.5' H<sub>2</sub>O @ bottom  
sep

6" 5 dk bml  
reddish brn  
scl  
Hsbk  
yellow brn  
scl  
saprinite  
15% rx

9' ↓ yellow brn  
ls saprinite

10.5' ↓ brn gr ls

12' bottom

AP

9

dk bn c sl

bn 2c sl

sl

yellow bn

sl

yellow long

bn sl

20% rx &amp;

sandy

yellow long

sl 25%

rx mottles / Fe deposits

8

dk bn l

Ø

massive

bn c l

stony

↓

10

same

as hole 8

fill ~5.5'

~40% rx

bn fcl

micaceous

↓

bn ls

See plan  
for perc locations

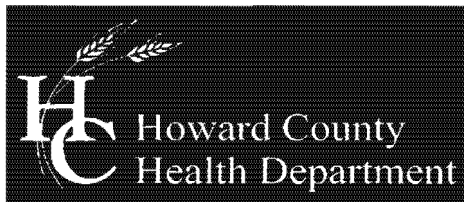
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
12-8-09	9	6' / 13'	10:03	10:30	note 2" out		F
	8	5'	OBSERVATION				F
	10	7' / 12'	10:28	didn't inch	make 2nd		F

REMARKS SDA "B" 11, 12 not dug

SANITARIAN HS BACKHOE Mike OTHERS \_\_\_\_\_

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

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

November 19, 2008

To: Guy Shanaberger, Shanaberger & Lane, Inc.  
Applicant

From: Robert Bricker, CPSS, RS, Environmental Sanitarian *RB*  
Well and Septic Program

RE: 10820 Clarksville Pike; Tax Map 29, Parcel 350; Percolation Application Plan, A531999

Percolation tests will not be scheduled at this time. Results of a review of public utility data indicate that the subject property is within the Metropolitan District and the subject property abuts a public right-of-way (Route 108, Clarksville Pike) in which water and sewer lines exist. You may apply to the Bureau of Environmental Health for a full refund of the Percolation Test Application Fee.

Be advised that the Health Department may not approve any Building Permit Application for the subject property until the following occurs and is documented in Health Department files for the subject property.

1. The residence must be connected to public water and sewer.
2. The existing well must be sealed by a Licensed Well Driller and the Well Abandonment Report in the file for the property.
3. The septic tank and dry well must both be pumped and the voids filled with clean earth materials (e.g. gravel, soil, etc). A copy of the invoice and/or a memo from the contractor, confirming that the components were pumped and the voids filled, must be in the file for the property.

Copy: Martin and Carol Silver, owners (via U.S. Mail)  
file



# Howard County Maryland Metropolitan District Incorporations



0' 1000'

GIS

DATE: 08/11/2008 PER: H003 SEP 04, 2008 11:28 am

## LEGEND

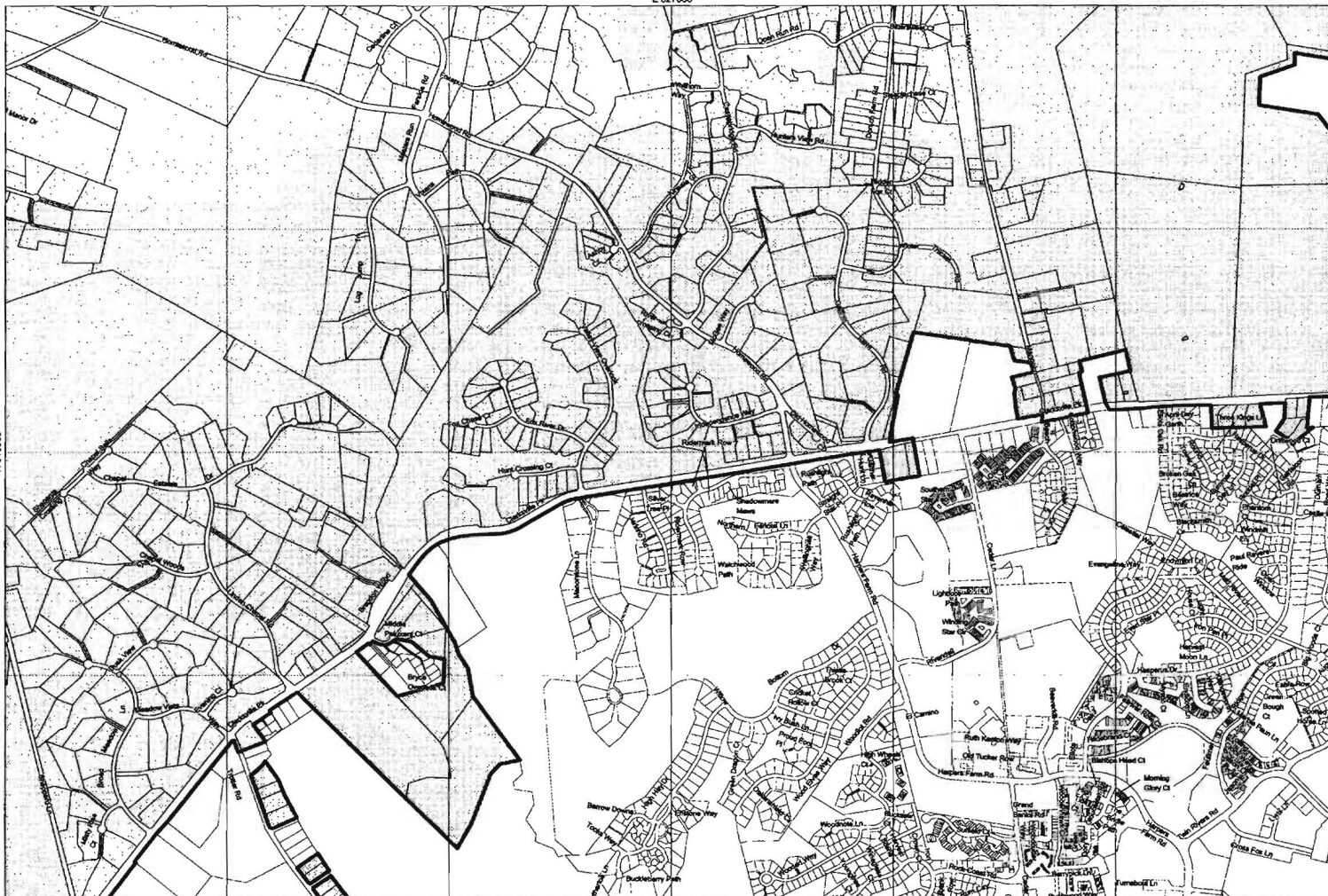
- Recent Incorporated Parcels
- Unincorporated Parcels
- Previous Incorporated Parcels
- Metropolitan Line

MDR PLAT NO. 20162  
RECORDED

SEP - 4 2008

## Tax Map Index

1	2	3	4	5
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31	32	33	34	35
36	37	38	39	40
41	42	43	44	45
46	47	48	49	50



REVIEWED AND APPROVED  
DEPARTMENT OF PUBLIC WORKS  
METROPOLITAN DISTRICT INCORPORATIONS  
FROM 8/1/2007 TO 8/30/2008

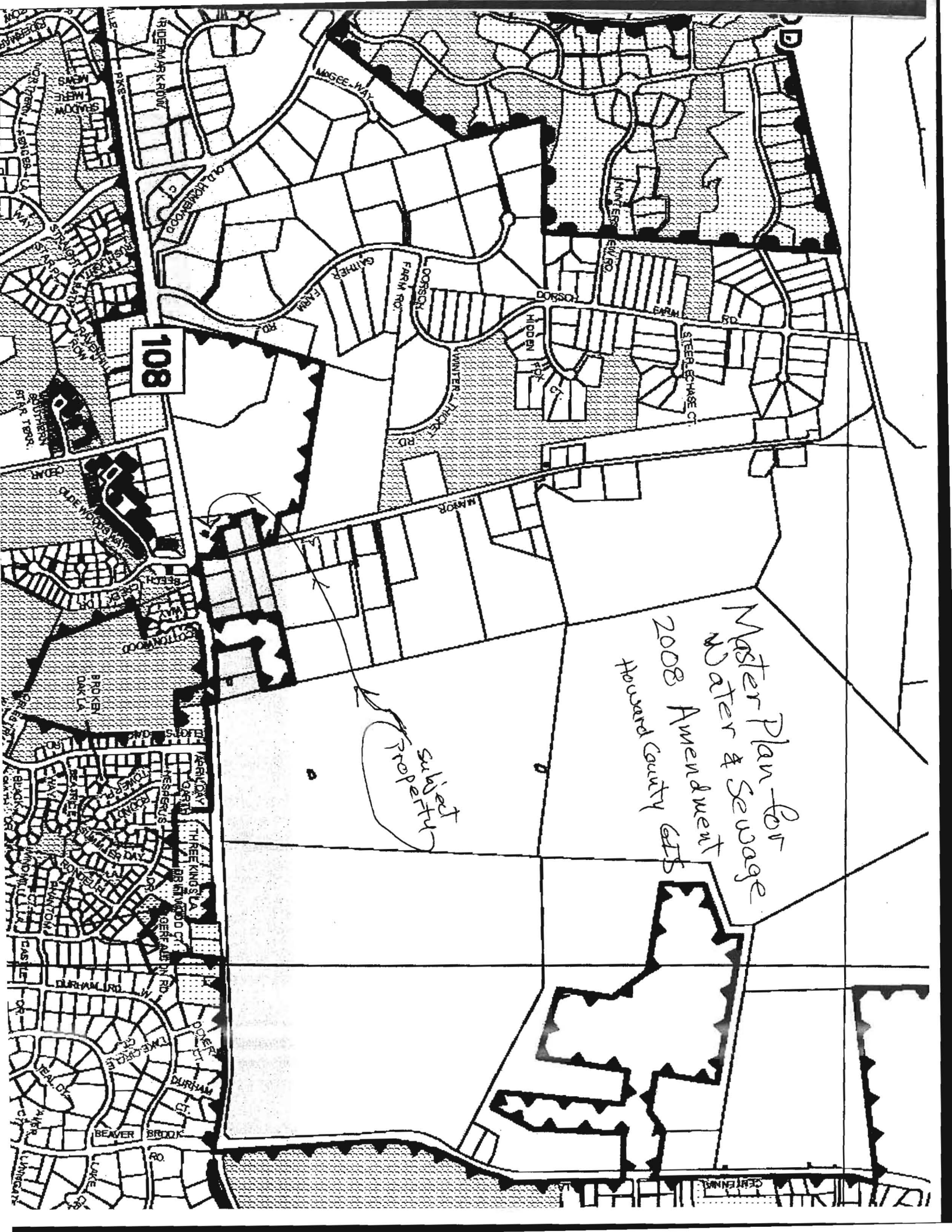
*Tina D. Hackett* 8/19/08  
REAL ESTATE SERVICES DIVISION DATE

RECORDED AS PLAT  
ON \_\_\_\_\_ AMONG THE LAND  
RECORDS OF HOWARD COUNTY, MARYLAND.

(Tax Map 29) Sheet No. 13 of 29

HA CM 2025 4288-13

P150685

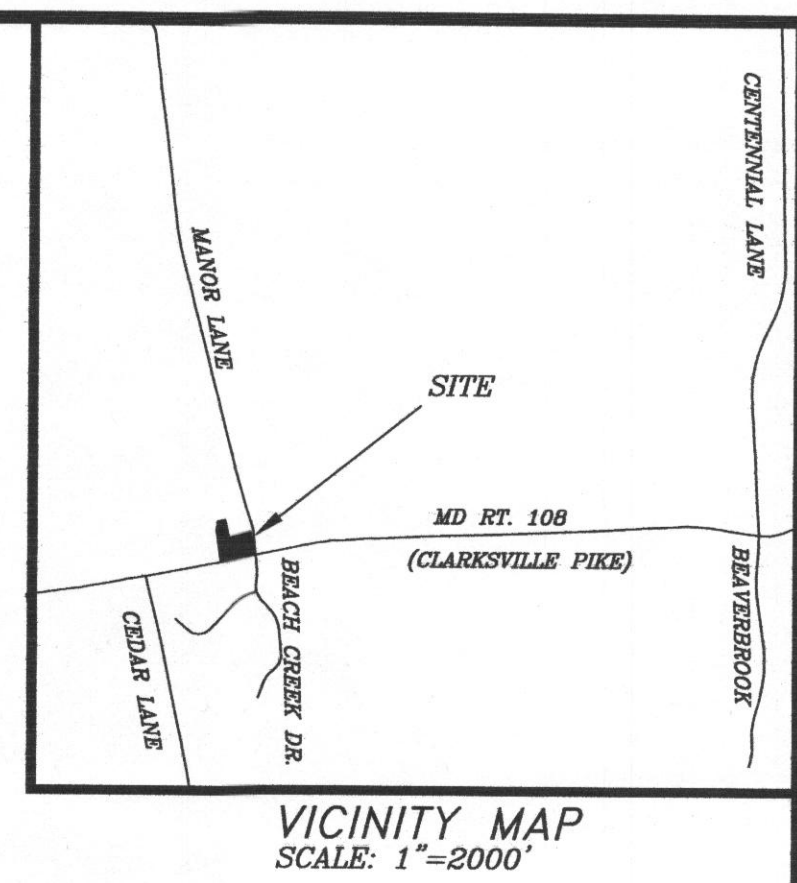
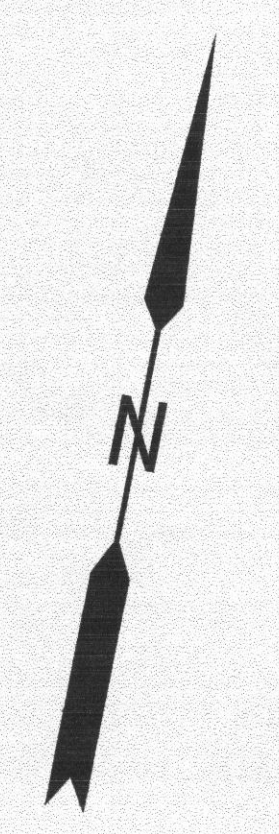


108

Master Plan for  
Water & Sewage  
2008 Amendment  
Howard County GIS

Subject  
Property





- NOTES:**
- TOPOGRAPHY SHOWN HEREON WAS FIELD RUN BY SHANABERGER & LANE IN OCTOBER 2009
  - THIS AREA DESIGNATES A PROPOSED PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MD. STATE DEPT. OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. FOR LOTS CREATED PRIOR TO MARCH 1972, IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND 2 REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA 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 DISPOSAL AREA.
  - #2 ● DESIGNATES SUCCESSFUL PERC TEST LOCATION

○ DESIGNATES FAILED PERC TEST LOCATION

⊙ DESIGNATES EXISTING WELL LOCATION

⊙ DESIGNATES PROPOSED WELL LOCATION

□ DESIGNATES EXISTING BUILDING LOCATION

□ DESIGNATES PROPOSED ADDITION & GARAGE

--- DESIGNATES FIELD-RUN CONTOURS

--- DESIGNATES CONTOURS DERIVED FROM HOWARD COUNTY TOPO MAP

--- DESIGNATES SOIL TYPE BOUNDARY

--- DESIGNATES WOODSLINE/TREES
  - THE LOT SHOWN HEREON IS EXEMPT FROM THE MINIMUM OWNERSHIP AND LOT AREA REQUIREMENTS BY THE MD STATE DEPARTMENT OF THE ENVIRONMENT BECAUSE IT WAS CREATED BEFORE 1985
  - ALL VISIBLE EXISTING WELLS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND WELLS WITHIN 200' DOWNSLOPE OF THE PROPOSED SDA HAVE BEEN SHOWN.
  - SOIL TYPES:  
(GCB)---GLENELC LOAM 3-8% SLOPES  
(CHB)---GLENELC-URBAN LAND COMPLEX 0-8% SLOPES  
(CUB)---GLENVILLE-URBAN LAND COMPLEX 0-8% SLOPES  
(GMB)---GLENVILLE SILT LOAM, 3-8% SLOPES
  - BEARINGS AND DISTANCES SHOWN HEREON ARE FROM AVAILABLE DEEDS OF RECORD. ACREAGE SHOWN HEREON IS APPROXIMATE.
  - ANY CHANGE TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
  - NEW WELL MUST BE DRILLED PRIOR TO BUILDING PERMIT APPROVAL.
  - A SEPTIC UPGRADE MAY BE REQUIRED TO ACCOMMODATE ADDITIONAL BEDROOMS AND/OR LIVING SPACE. THIS WILL BE DETERMINED UPON REVIEW OF THE BUILDING PERMIT.

**APPROVED:** FOR PRIVATE WATER AND SEWERAGE SYSTEMS

*Signature of Peter Buleverson* 2/8/2010  
COUNTY HEALTH OFFICER DATE

**PURPOSE:** CREATE SDA FOR ADDITION TO HOUSE.

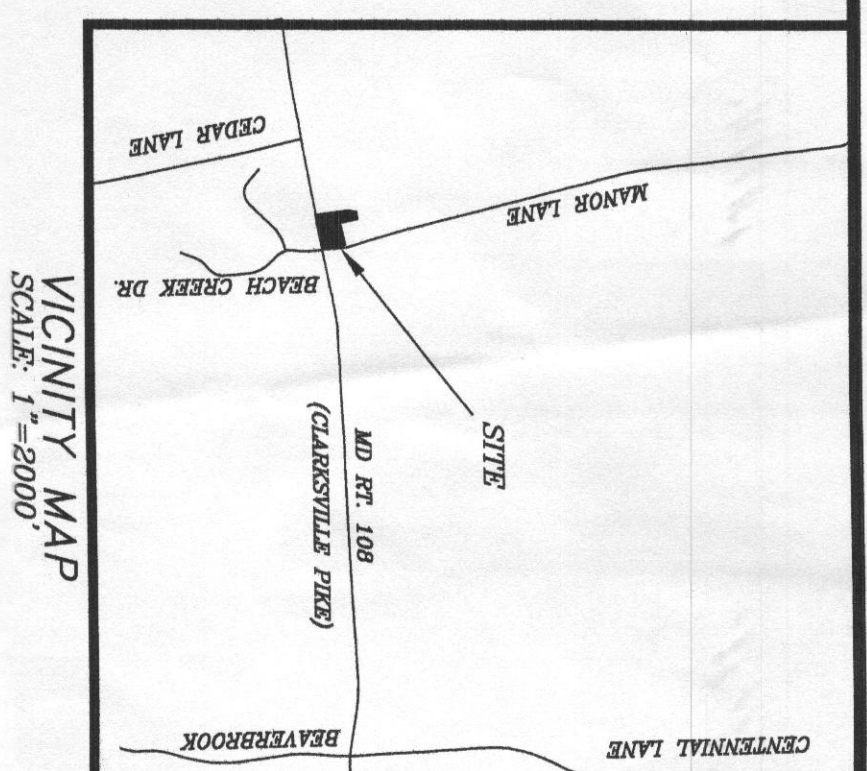
**PERC CERTIFICATION:** I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON REFLECTS FIELD WORK DONE BY ME OR UNDER MY DIRECT SUPERVISION AND IS CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

*Signature of G. Scott Shanabarger* 12/22/2009  
G. SCOTT SHANABARGER PROFESSIONAL LAND SURVEYOR #10849 DATE

PERC CERTIFICATION PLAN -A#531999  
PROPERTY OF MARTIN SILVER  
10820 ROUTE 108  
ELLICOTT CITY, MD 21042  
TITLE DEED: 1546/353  
TAX MAP 29, GRID 11, PARCEL 350  
3RD ELECTION DISTRICT  
HOWARD COUNTY, MD.  
SCALE: 1" = 30'  
DATE: 12/22/2009 REVISED 1/27/2010

**SHANABERGER & LANE**  
8726 TOWN & COUNTRY BLVD.  
SUITE 201  
ELLICOTT CITY, MD. 21043  
PHONE: 410-461-9563  
FAX: 410-461-9693





NOTES:  
1. TOPOGRAPHY SHOWN HEREON WAS FIELD RUN BY SHANABARGER & LANE IN OCTOBER 2009

2. STATE DEPT. OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL, FOR LOTS CREATED PRIOR TO MARCH 1972, IT PROVIDES AT LEAST ENOUGH AREA TO ACCOMMODATE AN INITIAL AND 2 REPLACEMENT SEPTIC SYSTEMS AS REQUIRED BY THE HOWARD COUNTY HEALTH DEPT. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SPACING DISPOSAL AREA BEING A BEACH CREEK DRIVE. BEACH CREEK DRIVE SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA.

3. #2 ● DESIGNATES SUCCESSFUL PERC TEST LOCATION

● DESIGNATES FAILED PERC TEST LOCATION

○ DESIGNATES EXISTING WELL LOCATION

○ DESIGNATES PROPOSED WELL LOCATION

□ DESIGNATES EXISTING BUILDING LOCATION

□ DESIGNATES PROPOSED ADDITION & GARAGE

--- DESIGNATES FIELD-RUN CONTOURS

--- DESIGNATES CONTOURS DERIVED FROM HOWARD COUNTY TOPO MAP

--- DESIGNATES SOIL TYPE BOUNDARY

4. THE LOT SHOWN HEREON IS EXEMPT FROM THE MINIMUM OVERSIZING AND LOT AREA REQUIREMENTS BY THE MD STATE DEPARTMENT OF THE ENVIRONMENT BECAUSE IT WAS CREATED BEFORE 1966

5. ALL VISIBLE EXISTING WELLS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND WELLS WITHIN 200' DOWNSLOPE OF THE PROPOSED SDA HAVE BEEN SHOWN.

6. SOIL TYPES:  
(GCB)---GLENVIEW LOAM 3-8% SLOPES  
(GCB)---GLENVIEW-URBAN LAND COMPLEX 0-8% SLOPES  
(GCB)---GLENVIEW-URBAN LAND COMPLEX 0-8% SLOPES  
(GCB)---GLENVIEW SILT LOAM 3-8% SLOPES

7. BEARINGS AND DISTANCES SHOWN HEREON ARE FROM AVAILABLE DEEDS OF RECORD. ACEAGE SHOWN HEREON IS APPROXIMATE.

8. ANY CHANGE TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.

9. NEW WELL MUST BE DRILLED PRIOR TO BUILDING PERMIT APPROVAL.

10. A SEPTIC UPGRADE MAY BE REQUIRED TO ACCOMMODATE ADDITIONAL BEDROOMS AND/OR LIVING SPACE. THIS WILL BE DETERMINED UPON REVIEW OF THE BUILDING PERMIT.

APPROVED: FOR PRIVATE WATER AND SEWERAGE SYSTEMS

PROFESSIONAL LAND SURVEYOR #10060  
DATE 1/27/10

PURPOSE: CREATE SDA FOR ADDITION TO HOUSE.

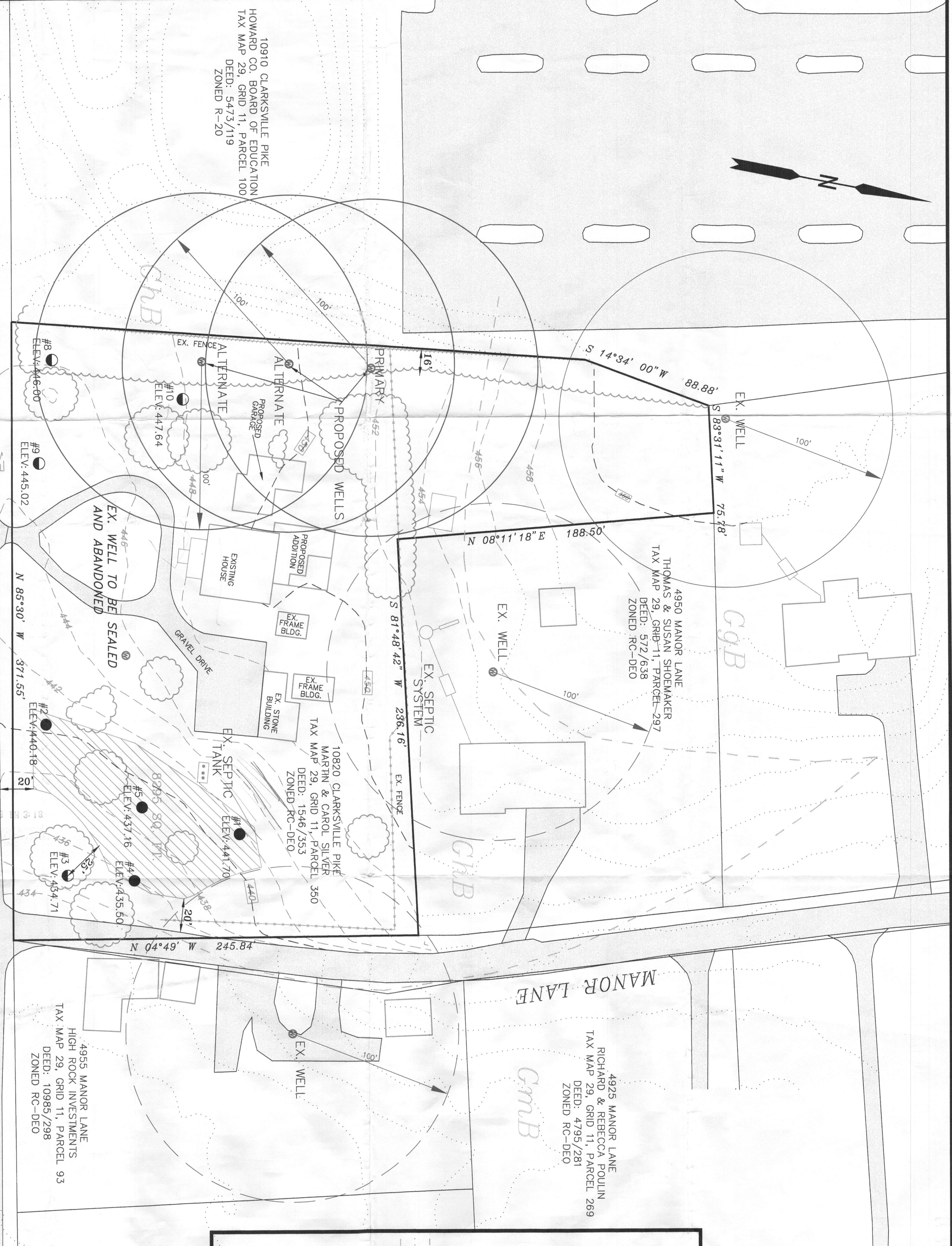
PERC CERTIFICATION: I, SHANABARGER & LANE, CERTIFY THAT THE INFORMATION SHOWN HEREON REFLECTS FIELD RUN DATA, AND IS CORRECT TO THE BEST OF OUR KNOWLEDGE AND BELIEF.

PERC CERTIFICATION PLAN -#531999  
PROPERTY OF MARTIN SILVER

10820 ROUTE 108  
ELLICOTT CITY, MD 21042

TITLE DEED: 1546/353  
TAX MAP 29, GRID 11, PARCEL 350  
3RD ELECTION DISTRICT  
HOWARD COUNTY, MD.

DATE: 12/22/2009 REVISED 1/27/2010



10910 CLARKSVILLE PIKE  
HOWARD CO. BOARD OF EDUCATION  
TAX MAP 29, GRID 11, PARCEL 100  
DEED: 5473/119  
ZONED R-20

SHANABARGER & LANE  
8726 TOWN & COUNTRY BLVD.  
SUITE 201  
ELLICOTT CITY, MD. 21043  
PHONE: 410-461-9663  
FAX: 410-461-9693