

- LEGEND**
- #1 SPECIMEN TREE LOCATIONS
 - #2 SPECIMEN TREE LOCATIONS (TO BE REMOVED)
 - PROPOSED SEPTIC FIELD
 - 25' SEPTIC / 5' M SETBACK
 - AREA ADDED TO SDA
 - PROPOSED WELL LOCATION
 - 100' WELL / SEPTIC & WELL / INFILTRATIVE 5' M SETBACK
 - PROPOSED 1500 SF WELL BOX
 - 100' WELL / SEPTIC & WELL / INFILTRATIVE 5' M SETBACK
 - DRY WELL (M-5)
(7'x10'x5' UNLESS NOTED OTHERWISE)
(MAXIMUM DRAINAGE AREA = 1,000 SF)
(PRIVATELY OWNED AND MAINTAINED)
 - MIN. CONSERVATION AREA WIDTH
 - SHEET FLOW TO CONSERVATION AREA (N-3)
(PRIVATELY OWNED AND MAINTAINED)
 - NON-ROOFTOP DISCONNECT AREA (N-2)
(PRIVATELY OWNED AND MAINTAINED)
 - TEST PIT PASSED FEB. 4-6, 2015
 - TEST PIT FAILED FEB. 4-6, 2015
 - TEST PIT PASSED MAY 11-13, 2015
 - TEST PIT FAILED MAY 11-13, 2015
 - TEST PIT PASSED APRIL 24, 2016
 - INITIAL TRENCH SYSTEM (55 LF)
 - TRENCH REPLACEMENT SYSTEM NO. 1 (68 LF)
 - TRENCH REPLACEMENT SYSTEM NO. 2 (75 LF)

PAR. A TEST ELEVATIONS

PERC	BLVD
B-1	431.04
B-2	441.34
B-3	441.36
B-4	450.04
B-5	461.26
B-6	461.45
B-7	465.66
B-8	464.13
B-9	436.83
B-10	453.02
B-11	443.26
B-12	443.91
B-13	434.14
B-14	461.92
B-15	410.89
B-16	451.56
B-17	461.20
B-18	461.34
B-19	464.94
B-20	410.18
B-21	450.21
B-22	450.11

THE PURPOSES FOR THE REVISION OF THE PERCOLATION CERTIFICATION PLAN ARE:

- TO INDICATE TEST PITS PASSED ON APRIL 24, 2016
- TO RECONFIGURE THE SDA ON PARCEL 'A'
- TO INDICATE THE TRENCH LENGTHS REQUIRED FOR THE THREE TRENCH DISTRIBUTION SYSTEMS ON PARCEL 'A'

NOTES:

- TRENCHES SHOWN ARE PRELIMINARY AND BASED ON A 6-BEDROOM HOUSE. THE FINAL TRENCH CONFIGURATION WILL BE SHOWN ON THE SEPTIC PLAN.
- THE ON-LOT STORMWATER MANAGEMENT SHOWN IS PER F-11-OTT. THE FINAL STORMWATER MANAGEMENT WILL BE DETERMINED WITH THE PLOT PLANS AND SHOWN ON FUTURE SEPTIC PLANS.

SOILS (on site)

Map Unit Symbol	Map Unit Name	Type	K Factor
BaA	Balle silt loam, 0 to 3 percent slopes	D	0.32
Co	Codonus and Harboro silt loams, 0 to 3 percent slopes	C	0.31
GbB	Gladstone loam, 3 to 8 percent slopes	B	0.20
GbC	Gladstone loam, 8 to 15 percent slopes	B	0.20
GnB	Glenville-Balle silt loams, 0 to 8 percent slopes	D	0.31
MaD	Manor loam, 15 to 25 percent slopes	B	0.24

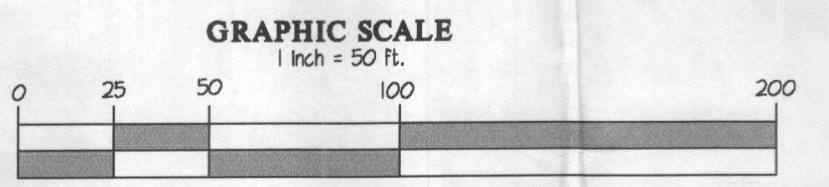
HOWARD COUNTY SOIL MAP NUMBER: 22 - CLARKSVILLE SW

HEALTH DEPARTMENT NOTES

- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS 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 AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP, WIDTH, AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS, SEPTIC SYSTEMS, AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND THOSE WELLS WITHIN 200' DOWN GRADIENT OF EXISTING OR PROPOSED SEPTIC SYSTEMS OR SEWAGE DISPOSAL AREAS HAVE BEEN SHOWN.
- ENGINEER HAS UTILIZED AERIAL TOPOGRAPHY AT 2' CONTOURS AND HAS FOUND TOPOGRAPHY WITHIN SEPTIC RESERVE AREAS TO BE REASONABLY ACCURATE.
- ANY CHANGES TO A PRIVATE SEWAGE AREA SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- WELLS MUST BE PROTECTED AT ALL TIMES DURING SITE PREPARATION AND DEVELOPMENT. PREFERABLY A HIGHLY VISIBLE MATERIAL SUCH AS ORANGE FENCING IS USED TO MARK WELL LOCATIONS.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT

W. J. ...
COUNTY HEALTH OFFICER



GLWGUTSCHICK LITTLE & WEBER, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL DRIVE - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20866
TEL: 301-421-4024 BALT: 410-880-1820 DCVA: 301-989-2524 FAX: 301-421-4186

DATE	REVISION	BY	APPR.

OWNER:
WBG ESM, LLC
5485 HARPERS FARM ROAD
SUITE 200
COLUMBIA, MD 21044
ATTN: BOB CORBETT
410-997-8800

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE PLANS 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. 12772.
EXPIRATION DATE: MAY 26, 2020

6/18/18

REVISED PERCOLATION CERTIFICATION PLAN
ESTATES AT SCHOOLEY MILL
Buildable Preservation Parcel 'A'

TAX PARCEL 93
LIBER 4637 FOLIO 88

HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE NO.
1"=50'	RR-DEO	14067
DATE	TAX MAP - GRID	SHEET
JUNE 2018	40-11	1 OF 1

- LEGEND**
- #7 SPECIMEN TREE LOCATIONS
 - #7 SPECIMEN TREE LOCATIONS (TO BE REMOVED)
 - LIMIT OF GRADING
 - PROPOSED SEPTIC FIELD
 - 25' SEPTIC / 5' M SETBACK
 - PROPOSED WELL LOCATION
 - 100' WELL / SEPTIC & WELL / INFILTRATIVE 5' M SETBACK
 - PROPOSED 1500 SF WELL BOX
 - 100' WELL / SEPTIC & WELL / INFILTRATIVE 5' M SETBACK
 - DRY WELL (M-5)
(7'x10'x5' UNLESS NOTED OTHERWISE)
(MAXIMUM DRAINAGE AREA = 1,000 SF)
(PRIVATELY OWNED AND MAINTAINED)
 - MIN. CONSERVATION AREA WIDTH
 - SEC. 100' SHEET FLOW TO CONSERVATION AREA (N-3)
(PRIVATELY OWNED AND MAINTAINED)
 - NON-ROOFTOP DISCONNECT AREA (N-2)
(PRIVATELY OWNED AND MAINTAINED)
 - TEST PIT PASSED FEB. 4-6, 2015
 - TEST PIT FAILED FEB. 4-6, 2015
 - TEST PIT PASSED MAY 11-13, 2015
 - TEST PIT FAILED MAY 11-13, 2015
 - TEST PIT PASSED APRIL 24, 2016
 - INITIAL TRENCH SYSTEM (55 L.F.)
 - TRENCH REPLACEMENT SYSTEM NO. 1 (68 L.F.)
 - TRENCH REPLACEMENT SYSTEM NO. 2 (75 L.F.)

PAR. A TEST ELEVATIONS

PERC	ELEV.
13-A	451.04
13-C	447.34
13-E	441.36
13-F	458.84
13-G	461.26
13-H	465.48
13-I	465.66
13-K	464.13
14-A	436.83
14-B	453.42
14-C	445.26
14-D	443.91
14-E	434.74
15-A	461.85
15-C	410.88
15-D	424.52
15-K	461.90
16-A	467.34
16-B	464.94
16-E	470.18
16-F	452.27
4100	450.11

THE PURPOSES FOR THE REVISION OF THE PERCOLATION CERTIFICATION PLAN ARE:

- TO INDICATE THE EXISTING WELL (TAG # HO-IT-0185) WHICH HAS BEEN FIELD LOCATED BY GLW AND IS ACCURATELY SHOWN
- TO RECONFIGURE THE WELL BOX ON PARCEL 'A'

NOTES:

- TRENCHES SHOWN ARE PRELIMINARY AND BASED ON A 6-BEDROOM HOUSE. THE FINAL TRENCH CONFIGURATION WILL BE SHOWN ON THE SEPTIC PLAN.
- THE ON-LOT STORMWATER MANAGEMENT SHOWN IS PER F-11-011. THE FINAL STORMWATER MANAGEMENT WILL BE DETERMINED WITH THE PLOT PLANS AND SHOWN ON FUTURE SEPTIC PLANS.

SOILS (on site)

Map Unit Symbol	Map Unit Name	Type	K Factor
BaA	Baile silt loam, 0 to 3 percent slopes	D	0.32
Co	Codonus and Hatboro silt loams, 0 to 3 percent slopes	C	0.31
GbB	Gladstone loam, 3 to 8 percent slopes	B	0.20
GbC	Gladstone loam, 8 to 15 percent slopes	B	0.20
GbD	Glennville-Baile silt loams, 0 to 8 percent slopes	D	0.31
MaD	Manor loam, 15 to 25 percent slopes	B	0.24

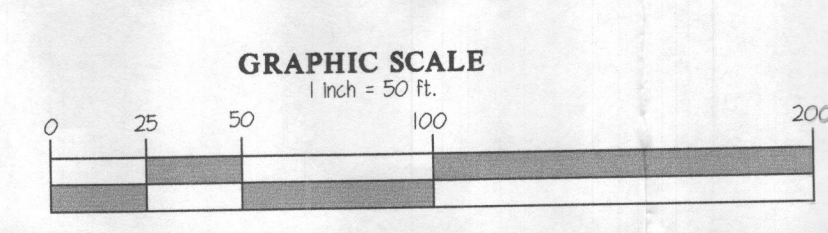
HOWARD COUNTY SOIL MAP NUMBER: 22 - CLARKSVILLE 5M

HEALTH DEPARTMENT NOTES

- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS 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 AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
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- WELLS MUST BE PROTECTED AT ALL TIMES DURING SITE PREPARATION AND DEVELOPMENT. PREFERABLY A HIGHLY VISIBLE MATERIAL SUCH AS ORANGE FENCING IS USED TO MARK WELL LOCATIONS.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT

Debra M. Rossman 11/17/2018
COUNTY HEALTH OFFICER



GLWGuttschick Little & Weber, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
3909 NATIONAL HWY - SUITE 250 - BURTONSVILLE OFFICE PARK
BURTONSVILLE, MARYLAND 20866
TEL: 301-421-4024 BALT: 410-880-1820 DC/VA: 301-989-2524 FAX: 301-421-4186

DATE	REVISION	BY	APP'R.

OWNER:
WBG ESM, LLC
5485 HARPERS FARM ROAD
SUITE 200
COLUMBIA, MD 21044
ATTN: MIKE LEMON
410-997-8800

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE PLANS 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. 12275
EXPIRATION DATE: MAY 26, 2020

11/18 *[Signature]*

REVISED PERCOLATION CERTIFICATION PLAN
ESTATES AT SCHOOLEY MILL
Buildable Preservation Parcel 'A'
TAX PARCEL 93
LIBER 4637 FOLIO 68
HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE NO.
1"=50'	RR-DEO	14067
DATE	TAX MAP - GRID	SHEET
NOV, 2018	40 -11	1 OF 1

- LEGEND**
- #7 SPECIMEN TREE LOCATIONS
 - #7 SPECIMEN TREE LOCATIONS (TO BE REMOVED)
 - LIMIT OF GRADING
 - PROPOSED SEPTIC FIELD
 - 25' SEPTIC / 5'NM SETBACK
 - PROPOSED WELL LOCATION
 - 100' WELLS / SEPTIC & WELLS / INFILTRATIVE 5'NM SETBACK
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 - 100' WELLS / SEPTIC & WELLS / INFILTRATIVE 5'NM SETBACK
 - DRY WELL (M-5)
 - (7x10x5) UNLESS NOTED OTHERWISE (MAXIMUM DRAINAGE AREA = 1,000 SF) (PRIVATELY OWNED AND MAINTAINED)
 - MIN. CONSERVATION AREA WIDTH
 - SHEET FLOW TO CONSERVATION AREA (N-3) (PRIVATELY OWNED AND MAINTAINED)
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 - TEST PIT FAILED MAY 11-13, 2015
 - TEST PIT PASSED APRIL 24, 2018
 - INITIAL TRENCH SYSTEM (55 L.F.)
 - TRENCH REPLACEMENT SYSTEM NO. 1 (60 L.F.)
 - TRENCH REPLACEMENT SYSTEM NO. 2 (75 L.F.)

PAR. A TEST ELEVATIONS

PERC	ELEV
B3-A	431.04
B3-C	441.34
B3-E	441.36
B3-F	450.84
B3-G	461.26
B3-H	465.45
B3-I	465.66
B3-K	464.13
B4-A	436.83
B4-B	433.47
B4-D	445.26
B4-D	443.91
B4-E	434.14
B5-A	461.85
B5-C	470.85
B5-D	454.56
B5-K	461.10
B6-A	461.34
B6-B	464.94
B6-E	470.18
4649	450.27
4700	450.17

THE PURPOSES FOR THE REVISION OF THE PERCOLATION CERTIFICATION PLAN ARE:

- TO INDICATE THE EXISTING WELL (TAG # HO-T-018), WHICH HAS BEEN FIELD LOCATED BY GLW AND IS ACCURATELY SHOWN
- TO RECONFIGURE THE WELL BOX ON PARCEL 'A'

NOTES:

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SOILS (on site)

Map Unit Symbol	Map Unit Name	Type	K Factor
BaA	Balle silt loam, 0 to 3 percent slopes	D	0.32
Co	Codorus and Hatboro silt loams, 0 to 3 percent slopes	C	0.31
GbB	Gladstone loam, 3 to 8 percent slopes	B	0.20
GbC	Gladstone loam, 8 to 15 percent slopes	D	0.20
GnB	Glenville-Balle silt loams, 0 to 8 percent slopes	B	0.31
MaD	Manor loam, 15 to 25 percent slopes	B	0.24

HOWARD COUNTY SOIL MAP NUMBER: 22 - CLARKSVILLE SW

HEALTH DEPARTMENT NOTES

- THIS AREA DESIGNATES A PRIVATE SEWAGE AREA OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS 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 AREA. RECORDATION OF A MODIFIED SEWAGE AREA SHALL NOT BE NECESSARY.
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APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT

Michael M. Moore 11/19/2018
COUNTY HEALTH OFFICER DATE

GRAPHIC SCALE
1" = 50'
0 25 50 100 200

GLWGutschick Little & Weber, P.A.
CIVIL ENGINEERS, LAND SURVEYORS, LAND PLANNERS, LANDSCAPE ARCHITECTS
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OWNER:
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5485 HARPERS FARM ROAD
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COLUMBIA, MD 21044
ATTN: MIKE LEMON
410-997-8800

PROFESSIONAL CERTIFICATION
I HEREBY CERTIFY THAT THESE PLANS 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. 12975
EXPIRATION DATE: MAY 26, 2020
11/1/18

REVISED PERCOLATION CERTIFICATION PLAN
ESTATES AT SCHOOLEY MILL
Buildable Preservation Parcel 'A'
TAX PARCEL 93
LIBER 4637 FOLIO 68
HOWARD COUNTY, MARYLAND

SCALE	ZONING	G. L. W. FILE NO.
1"=50'	RR-DEO	14067
DATE	TAX MAP - GRID	SHEET
NOV., 2018	40-11	1 OF 1

