Permits: 410-313-2455
Inspections: 410-313-1810
Automated Line: 410-313-3800

Howard County Building/Fire Permit Application
Department of Inspections, Licenses & Permits
3430 Court House Drive
Ellicott City, MD 21043

612000047

Permit Number: B/2000647

Building Address: 1605 Shaffersville Rd
Mt Airy, MD 21771

Suite/Apt. # _____ SDP/WP/BA #: _____

Census Tract: _____ Subdivision: _____

Section: _____ Area: _____ Lot: 2

Tax Map: 0006 Parcel: 0259 Grid: 0018

Zoning: _____ Map Coordinates: _____ Lot Size: _____

Existing Use: Vacant Lot

Proposed Use: Single Family House + Garages

Estimated Construction Cost: $ 250,000

Description of Work: Construct Single Family House + detached garage.

Occupant or Tenant: _____

Was tenant space previously occupied? ☐Yes ☐No

Contact Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Fax: _____

Email: _____

Property Owner's Name: Janice S. Zirkle
Address: 1605 Shaffersville Rd
City: Mt Airy State: MD Zip Code: 21771
Home Phone: 301-703-8588 Work Phone: 410-203-2460

Applicant's Name & Mailing Address, (If other than stated herein):

Phone: 410-203-2460 Fax: 410-203-2461
Email: jzirkle@chamberlainc.com

Contractor Company: As Home Owner
Contact Person: Janice Zirkle
Address: 1605 Shaffersville Rd
City: MtAiry State: MD Zip Code: 21771
License No.:
Phone: 410-2032460 Fax: 410-203-2461
Email: _____

Engineer/Architect Company: JB Homedesign, LLC
Responsible Design Prof.: _____
Address: 9416 Concord Court
City: Baltimore State: MD Zip Code: 21234
Phone: 410-599-9587 Fax: 410-663-4069
Email: jon@jbhomedesign.com

BUILDING DESCRIPTION - COMMERCIAL

Building Characteristics	Utilities
Height:	***Water Supply***
No. of stories:	☐ Public
Gross area, sq. ft./floor:	☐ Private
	Sewage Disposal
Area of construction (sq. ft.):	☐ Public
	☐ Private
Use group:	Electric: ☐ Yes ☐ No
	Gas: ☐ Yes ☐ No
Construction type:	***Heating System***
☐ Reinforced Concrete	☐ Electric ☐ Oil
☐ Structural Steel	☐ Natural Gas ☐ Propane Gas
☐ Masonry	***Sprinkler System:***
☐ Wood Frame	☐ N/A
☐ State Certified Modular	☐ Full
Roadside Tree Project Permit	☐ Partial
☐Yes ☐No	☐ Other Suppression
Roadside Tree Project Permit #	No. of Heads:

BUILDING DESCRIPTION – RESIDENTIAL

Building Characteristics		Utilities
☑ SF Dwelling ☐ SF Townhouse		***Water Supply***
Depth	***Width***	☐ Public
1st floor: 47'0"	66'0"	☑ Private
2nd floor:		***Sewage Disposal***
Basement:		☐ Public
☐ Finished Basement		☑ Private
☑ Unfinished Basement		Electric: ☑ Yes ☐ No
☐ Crawl Space		Gas: ☐ Yes ☑ No
☐ Slab on Grade		***Heating System***
No. of Bedrooms: 3		☑ Electric / Geothermal
Multi-family Dwelling		☐ Oil
No. of efficiency units:		☐ Natural Gas
No. of 1 BR units:		☐ Propane Gas
No. of 2 BR units:		
No. of 3 BR units:		
Other Structure:		
Dimensions:		
Footings:		Roadside Tree Project Permit
Roof:		☐Yes ☑No
☐ State Certified Modular		Roadside Tree Project Permit #
☐ Manufactured Home		

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Janice S Zirkle
Applicant's Signature

Janice S. Zirkle
Print Name

jzirkle@chamberlainc.com
Email Address

2/9/12
Date

3/2

Title/Company

Checks Payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**

PLEASE WRITE NEATLY & LEGIBLY

FOR OFFICE USE ONLY

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	3/2/12	Jenni Sutt
Fire Protection		

Is Sediment Control approval required for issuance? ☑ Yes ☐ No
☐ CONTINGENCY CONSTRUCTION START
☐ ONE STOP SHOP

DPZ SETBACK INFORMATION	
Front:	
Rear:	
Side:	
Side St.:	
All minimum setbacks met? ☐ Yes ☐No	
Is Entrance Permit Required? ☐ Yes ☐No	
Historic District? ☐ Yes ☐No	
Lot Coverage for New Town Zone:	
SDP/Red-line approval date:	

Filing Fee	$ 100.00
Permit Fee	$
Tech Fee	$
Excise Tax	$
PSFS	$
Guaranty Fund	$
Add'l per Fee	$
Total Fees	$
Sub- Total Paid	$
Balance Due	$

CK# 154

Distribution of Copies: White: Building Officials Green: PSZA,Zoning Yellow: PSZA,Engineering Pink: Health Gold: SHA

T:\Operations\Updated Forms\New building app 11.10.2010.docx

Permits: 410-313-2455
Inspections: 410-313-1810
Automated Line: 410-313-3800

Howard County Building/Fire Permit Application
Department of Inspections, Licenses & Permits
3430 Court House Drive
Ellicott City, MD 21043

6/2000651A

Permit Number: B/2000651

Building Address: 1605 Shaffersville Rd Mt Airy, MD 21771

Suite/Apt. #: _____ SDP/WP/BA #: _____

Census Tract: _____ Subdivision: _____

Section: _____ Area: _____ Lot: 2

Tax Map: 0006 Parcel: 0259 Grid: 0018

Zoning: _____ Map Coordinates: _____ Lot Size: _____

Existing Use: Vacant Lot

Proposed Use: Garage

Estimated Construction Cost: $ 30,000 –

Description of Work: construct garage detached

Occupant or Tenant: _____

Was tenant space previously occupied? ☐Yes ☐No

Contact Name: _____

Address: _____

City: _____ State: _____ Zip Code: _____

Phone: _____ Fax: _____

Email: _____

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City: Mt Airy State: MD Zip Code: 21771

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Phone: 301-703-8588 Fax: 410-203-2461

Email: jzirkle@chamberlaininc.com

Contractor Company: As Home Owner

Contact Person: Janice Zirkle

Address: 1605 Shaffersville Rd

City: Mt Airy State: MD Zip Code: 21771

License No.: _____

Phone: 301-703-8588 Fax: 410-203-2461

Email: jzirkle@chamberlaininc.com

Engineer/Architect Company: _____

Responsible Design Prof.: J. B Home Design LLC

Address: 9416 Concord Ct

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Email: jon@jbhomedesign.com

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Height:	**Water Supply**
No. of stories:	☐ Public
Gross area, sq. ft./floor:	☐ Private
	Sewage Disposal
Area of construction (sq. ft.):	☐ Public
	☐ Private
Use group:	Electric: ☐ Yes ☐ No
	Gas: ☐ Yes ☐ No
Construction type:	**Heating System**
☐ Reinforced Concrete	☐ Electric ☐ Oil
☐ Structural Steel	☐ Natural Gas ☐ Propane Gas
☐ Masonry	**Sprinkler System:**
☐ Wood Frame	☐ N/A
☐ State Certified Modular	☐ Full
Roadside Tree Project Permit	☐ Partial
☐Yes ☐No	☐ Other Suppression
Roadside Tree Project Permit #	No. of Heads:

BUILDING DESCRIPTION – RESIDENTIAL

Building Characteristics	Utilities
☐ SF Dwelling ☐ SF Townhouse	**Water Supply**
Depth Width	☐ Public
1st floor:	☑ Private
2nd floor:	**Sewage Disposal**
Basement:	☐ Public
☐ Finished Basement	☑ Private
☐ Unfinished Basement	Electric: ☐ Yes ☐ No
☐ Crawl Space	Gas: ☐ Yes ☐ No
☑ Slab on Grade	**Heating System**
No. of Bedrooms:	☐ Electric
Multi-family Dwelling	☐ Oil
No. of efficiency units:	☐ Natural Gas
No. of 1 BR units:	☐ Propane Gas
No. of 2 BR units:	NONE
No. of 3 BR units:	
Other Structure:	
Dimensions:	
Footings:	Roadside Tree Project Permit
Roof:	☐Yes ☑No
☐ State Certified Modular	Roadside Tree Project Permit #
☐ Manufactured Home	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature _____ *Print Name* Janice Zirkle

Email Address jzirkle@chamberlaininc.com *Date* 2/9/12 3/2

Title/Company _____

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
** PLEASE WRITE NEATLY & LEGIBLY **

FOR OFFICE USE ONLY

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	3/22/12	Karen Scott
Fire Protection		

Is Sediment Control approval required for issuance? ☐ Yes ☐ No
☐ CONTINGENCY CONSTRUCTION START
☐ ONE STOP SHOP

DPZ SETBACK INFORMATION
Front:
Rear:
Side:
Side St.:
All minimum setbacks met? ☐ Yes ☐No
Is Entrance Permit Required? ☐ Yes ☐No
Historic District? ☐ Yes ☐No
Lot Coverage for New Town Zone:
SDP/Red-line approval date:

Filing Fee	$
Permit Fee	$
Tech Fee	$
Excise Tax	$
PSFS	$
Guaranty Fund	$
Add'l per Fee	$
Total Fees	$
Sub- Total Paid	$
Balance Due	$

CK#134

Distribution of Copies: White: Building Officials Green: PSZA,Zoning Yellow: PSZA,Engineering Pink: Health Gold: SHA

COMPLETE THIS FORM WHEN DROPPING OFF ANY CORRESPONDENCE AND/OR PLANS TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS COUNTER:

Date: 3/9/12

To: Annette Merson
(Person's Name and Division)

From: Janice Zirkle (410) 203-2460
(Your Name, Company Name and Telephone Number)

Subject: Project name Zirkle

Project site address 1605 Shaffersville Rd

Permit Number B12000651 **SDP #** _____

Other information pertinent to this project _____

✓ Please check the attachments below that you are submitting with this transmittal:

___ Letter of response to Howard County plan review code letter

✓ Per DPZ- Revised plans and/or revised details: When submitting for a complete re-review, **duplicate sets shall be submitted.**

RECEIVED
MAR 9 2012
LICENSES & PERMITS DIVISION

___ Structural steel certification

___ Energy conservation calculations

___ Certification for _____ (be specific)

___ Copies of _____ (be specific)

___ Two sets of single family dwelling model plans to be placed on permanent file: Model name and/or #_____

AM Other _____

Is there anyone else that should be contacted regarding this project if there are questions?

If so, please list that person's name and telephone number below:

_____ (_____)_____
(Person's name) (Telephone number)

PLEASE ASSURE ALL DOCUMENTS AND/OR REVISIONS ARE APPROPRIATELY SIGNED AND SEALED, IF NECESSARY, BY A LICENSED ARCHITECT OR ENGINEER. PLEASE BE ADVISED THAT INSUFFICIENT INFORMATION MAY RESULT IN THE DELAY OF REVIEW BY THE PLANS EXAMINER. THE DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS WILL CONTACT YOU IF THERE IS A PROBLEM. IN ADDITION, ONCE THE BUILDING PERMIT IS APPROVED BY THE PLAN REVIEW DIVISION AND ALL OTHER REQUIRED SIGNATORY AGENCIES, AND THE BUILDING PERMIT IS READY FOR ISSUANCE, THE PERMIT DIVISION WILL NOTIFY THE APPROPRIATE CONTACT PERSON FOR PERMIT PICK UP. ALL PERMIT STATUS INQUIRIES SHALL BE DIRECTED TO THE PERMIT DIVISION AT 410-313-2455. CODE RELATED QUESTIONS AND PLAN REVIEW INQUIRIES SHALL BE DIRECTED TO THE PLAN REVIEW DIVISION AT 410-313-2436. PLEASE ALLOW A MINIMUM OF FIVE (5) WORKING DAYS FOR ANY PLAN SUBMITTALS TO BE REVIEWED. THANK YOU.

Received by Cha

white: Plan Review Division
yellow: Applicant
pink: Permit Division

t:\Updated forms\transmit.frm - Rev. 5/08

cc: Zoning
DED
Health

B.4.C Specifications for Micro-Bioretention. Rain Gardens, Landscape Infiltration & Infiltration Berms

1. Material Specifications

The allowable materials to be used in these practices are detailed in Table B.4.1.

2. Filtering Media or Planting Soil

The soil shall be a uniform mix, free of stones, stumps, roots or other similar objects larger than two inches. No other materials or substances shall be mixed or dumped within the micro-bioretention practice that may be harmful to plant growth, or prove a hindrance to the planting or maintenance operations. The planting soil shall be free of Bermuda grass, Quackgrass, Johnson grass, or other noxious weeds as specified under COMAR 15.08.01.05.

The planting soil shall be tested and shall meet the following criteria:

- Soil Component - Loamy Sand or Sandy Loam (USDA Soil Textural Classification)
- Organic Content - Minimum 10% by dry weight (ASTM D 2974). In general, this can be met with a mixture of loamy sand (60%-65%) and compost (35% to 40%) or sandy loam (30%), coarse sand (30%), and compost (40%).
- Clay Content - Media shall have a clay content of less than 5%.
- pH Range – Should be between 5.5 - 7.0. Amendments (e.g., lime, iron sulfate plus sulfur) may be mixed into the soil to increase or decrease pH.

There shall be at least one soil test per project. Each test shall consist of both the standard soil test for pH, and additional tests of organic matter, and soluble salts. A textural analysis is required from the site stockpiled topsoil. If topsoil is imported, then a texture analysis shall be performed for each location where the topsoil was excavated.

3. Compaction

It is very important to minimize compaction of both the base of bioretention practices and the required backfill. When possible, use excavation hoes to remove original soil. If practices are excavated using a loader, the contractor should use wide track or marsh track equipment, or light equipment with turf type tires. Use of equipment with narrow tracks or narrow tires, rubber tires with large lugs, or high-pressure tires will cause excessive compaction resulting in reduced infiltration rates and is not acceptable. Compaction will significantly contribute to design failure.

Compaction can be alleviated at the base of the bioretention facility by using a primary tilling operation such as a chisel plow, ripper, or subsoiler. These tilling operations are to refracture the soil profile through the 12 inch compaction zone. Substitute methods must be approved by the engineer. Rototillers typically do not till deep enough to reduce the effects of compaction from heavy equipment.

Rototill 2 to 3 inches of sand into the base of the bioretention facility before backfilling the optional sand layer. Pump any ponded water before preparing (rototilling) base.

When backfilling the topsoil over the sand layer, first place 3 to 4 inches of topsoil over the sand, then rototill the sand/topsoil to create a gradation zone. Backfill the remainder of the topsoil to final grade.

When backfilling the bioretention facility, place soil in lifts 12" to 18". Do not use heavy equipment within the bioretention basin. Heavy equipment can be used around the perimeter of the basin to supply soils and sand. Grade bioretention materials with light equipment such as a compact loader or a dozer/loader with marsh tracks.

4. Plant Material

Recommended plant material for micro-bioretention practices can be found in Appendix A, Section A.2.3.

5. Plant Installation

Compost is a better organic material source, is less likely to float, and should be placed in the invert and other low areas. Mulch should be placed in surrounding to a uniform thickness of 2" to 3". Shredded or chipped hardwood mulch is the only accepted mulch. Pine mulch and wood chips will float and move to the perimeter of the bioretention area during a storm event and are not acceptable. Shredded mulch must be well aged (6 to 12 months) for acceptance.

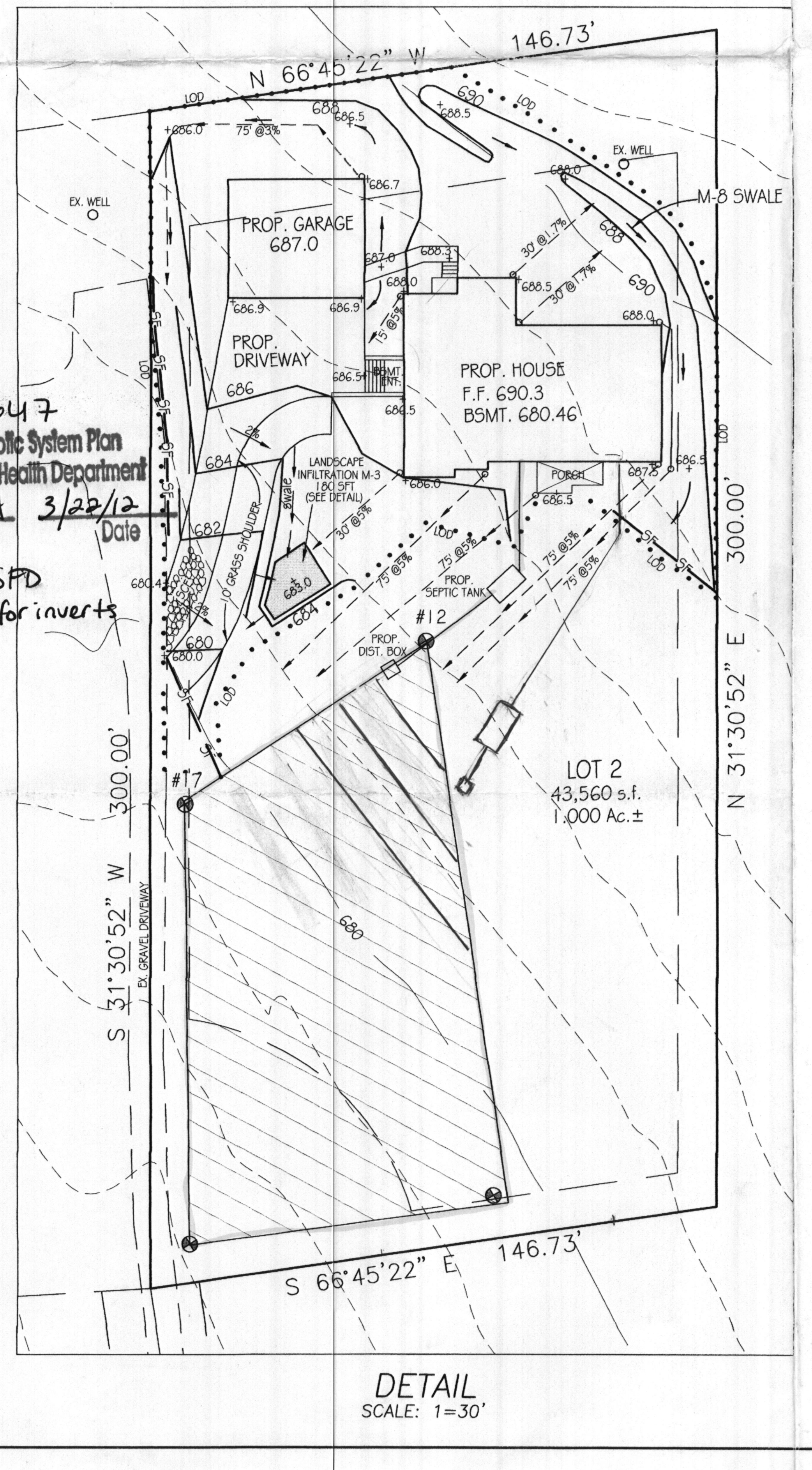
Rootstock of the plant material shall be kept moist during transport and on-site storage. The plant root ball should be planted so 1/8th of the ball is above final grade surface. The diameter of the planting pit shall be at least six inches larger than the diameter of the planting ball. Set and maintain the plant straight during the entire planting process. Thoroughly water ground bed cover after installation.

Trees shall be braced using 2" by 2" stakes only as necessary and for the first growing season only. Stakes are to be equally spaced on the outside of the tree ball.

Grasses and legume seed should be drilled into the soil to a depth of at least one inch. Grass and legume plugs shall be planted following the non-grass ground cover planting specifications.

The topsoil specifications provide enough organic material to adequately supply nutrients from natural cycling. The primary function of the bioretention structure is to improve water quality. Adding fertilizers defeats, or at a minimum, impedes this goal. Only add fertilizer if wood chips or mulch are used to amend the soil. Rototill urea fertilizer at a rate of 2 pounds per 1000 square feet.

B12000647
Approved Septic System Plan
Howard County Health Department
Signature 3/22/12 Date
3 BR SFD
*see notes for inverts



Appendix A. Landscaping Guidance for Stormwater BMPs.............Specific Landscaping Criteria

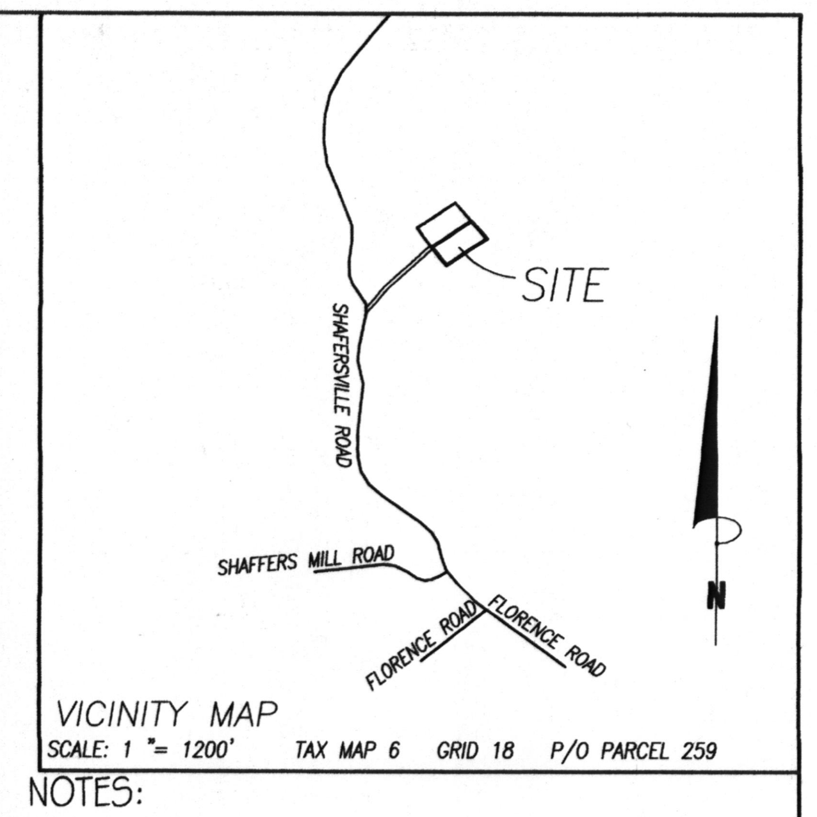
Table B.4.1 Materials Specifications for Micro-Bioretention, Rain Gardens & Landscape Infiltration-

Material	Specification	Size	Notes
Plantings	see Appendix A, Table A.4	n/a	plantings are site-specific
Planting soil [2' to 4' deep]	loamy sand (60 - 65%) & compost (35 – 40%) or sandy loam (30%), coarse sand (30%) & compost (40%)	n/a	USDA soil types loamy sand or sandy loam; clay content < 5%
Organic content	Min. 10% by dry weight (ASTM D 2974)		
Mulch	shredded hardwood		aged 6 months, minimum; no pine or wood chips
Pea gravel diaphragm	pea gravel: ASTM-D-448	NO. 8 OR NO. 9 (1/8" TO 3/8")	
Curtain drain	ornamental stone: washed cobbles	stone: 2" to 5"	
Geotextile		n/a	PE Type 1 nonwoven
Gravel (underdrains and infiltration berms)	AASHTO M-43	NO. 57 OR NO. 6 AGGREGATE (3/8" to 3/4")	
Underdrain piping	F 758, Type PS 28 or AASHTO M-278	4" to 6" rigid schedule 40 PVC or SDR35	Slotted or perforated pipe; 3/8" perf. @ 6" on center, 4 holes per row; minimum of 3" of gravel over pipes; not necessary underneath pipes. Perforated pipe shall be wrapped with ¼-inch galvanized hardware cloth
Poured in place concrete (if required)	MSHA Mix No. 3; f'_c = 3500 psi @ 28 days, normal weight, air-entrained; reinforcing to meet ASTM-615-60	n/a	on-site testing of poured-in-place concrete required: 28 day strength and slump test; all concrete design (cast-in-place or pre-cast) *not using previously approved State or local standards* requires design drawings sealed and approved by a professional structural engineer licensed in the State of Maryland - design to include meeting ACI Code 350.R/89; vertical loading [H-10 or H-20]; allowable horizontal loading (based on soil pressures); and analysis of potential cracking
Sand	AASHTO-M-6 or ASTM-C-33	0.02" to 0.04"	Sand substitutions such as Diabase and Graystone (AASHTO) #10 are not acceptable. No calcium carbonated or dolomitic sand substitutions are acceptable. No "rock dust" can be used for sand.

Table A.4 Commonly Used Species for Bioretention Areas

Trees	Shrubs	Herbaceous Species
Acer rubrum Red Maple	*Aesculus pariviflora* Bottlebrush Buckeye	*Andropogon virginicus* Broomsedge
Betula nigra River Birch	*Cephalanthus occidentalis* Buttonbush	*Eupatorium perpurea* Joe Pye Weed
Juniperus virginiana Eastern Red Cedar	*Hamemelis virginiana* Witch Hazel	*Scirpus pungens* Three Square Bulrush
Chionanthus virginicus Fringe-tree	*Vaccinium corymbosum* Highbush Blueberry	*Iris versicolor* Blue Flag
Nyssa sylvatica Black Gum	*Ilex glabra* Inkberry	*Lobelia cardinalis* Cardinal Flower
Diospyros virginiana Persimmon	*Ilex verticillata* Winterberry	*Panicum virgatum* Switchgrass
Platanus occidentalis Sycamore	*Viburnum dentatum* Arrowwood	*Dichanthelium scoparium* Broom Panic Grass
Quercus palustris Pin Oak	*Lindera benzoin* Spicebush	*Rudbeckia laciniata* Tall Coneflower
Quercus phellos Willow Oak	*Myrica pennsylvanica* Bayberry	*Scirpus cyperinus* Woolgrass
Salix nigra Black willow		*Vernonia noveboracensis* New York Ironweed

Note 1: For more options on plant selection for bioretention, consult Bioretention Manual (ETAB, 1993) or the Design of Stormwater Filtering Systems (Claytor and Schueler, 1997).



VICINITY MAP
SCALE: 1"= 1200' TAX MAP 6 GRID 18 P/O PARCEL 259

NOTES:

1) CONTOURS SHOWN HEREON ARE FROM HOWARD COUNTY GIS DATA (2' INTERVAL), VERTICAL DATUM IS NAVD88.
2) ACTUAL LENGTH AND NUMBER OF TRENCHES FOR SEWERAGE TO BE DETERMINED AT THE TIME OF SEPTIC SYSTEM PERMIT ISSUANCE.
3) PROPOSED HOUSE IS 3 BEDROOMS.
4) LIMIT OF DISTURBANCE (LOD): 17,000 SQ. FT.
5) THE EXISTING WELL SHOWN ON THIS PLAN HO-95-1838 HAS BEEN FIELD LOCATED BY VANMAR ASSOCIATES, INC. PROFESSIONAL LAND SURVEYORS AND ACCURATELY SHOWN.
6. STORMWATER MANAGEMENT FOR THIS SITE TO BE PROVIDED BY ROOFTOP DISCONNECTION N-1, NONROOFTOP DISCONNECTION N-2 AND LANDSCAPE INFILTRATION M-3.
7. APPROVAL OF THIS ECP DOES NOT CONSTITUTE APPROVAL OF ANY SUBSEQUENT OR ASSOCIATED DEVELOPMENT/SUBDIVISION PLANS OR BUILDING PERMITS. CONSTRUCTION ON THIS LOT MUST BE IN COMPLIANCE WITH ALL APPLICABLE SUBDIVISION AND LAND DEVELOPMENT REGULATIONS AND ZONING REGULATIONS.
8. DEVELOPMENT OF THIS LOT IS SUBJECT TO THE FILING OF A DECLARATION OF INTENT WITH THE GRADING/BUILDING PERMIT TO MEET REQUIRED FOREST CONSERVATION REGULATIONS.

LANDSCAPE INFILTRATION (M-3) DATA				
TESTPIT #	DEPTH	ELEVATION	1" DRDP RATE	INFILTRATION RATE / HR
#7	5'	673.5	14 MIN.	4.3"
#12	5'	679.0	4 MIN.	15.0"

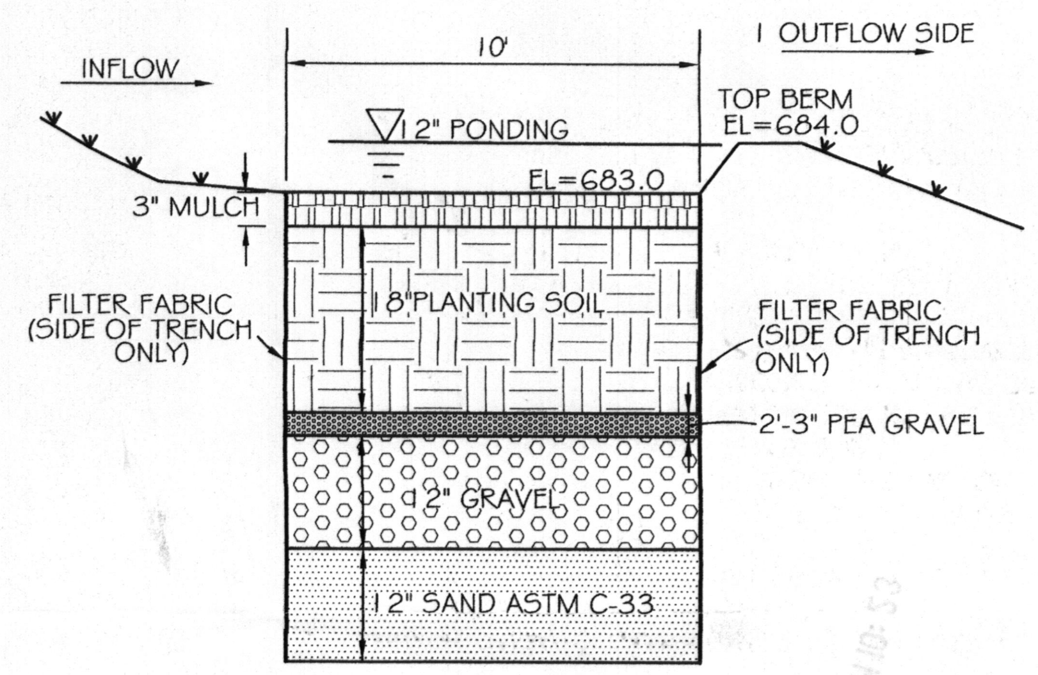
SEPTIC ELEVATIONS

PROPOSED HOUSE:
F.F. ELEV. = 690.3
BSMT. ELEV. = 680.46
GARAGE ELEV. = 687.0
INV. OUT = 679.6

PROPOSED SEPTIC TANK:
EX GRD. ELEV. = 685.0
PROP. GRD. ELEV. = 685.0
INV. IN = 679.0
INV. OUT = 678.8

PROPOSED DISTRIBUTION BOX:
EX GRD. ELEV. = 683.0
INV. IN = 678.2
INV. OUT = 678.0

PASSED PERCOLATION TEST SITE:
EXISTING WELL:
PROPOSED HOUSE SITE:
APPROVED SEPTIC AREA:
LIMITS OF DISTURBANCE (LOD) ················



TYPICAL SECTION FOR PROPOSED LANDSCAPE INFILTRATION M-3
N.T.S.

I HEREBY CERTIFY THAT THESE DOCUMENTS 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. 18417, EXPIRATION DATE: 9/18/13

SIGNED RONALD E. THOMPSON, P.E. DATE 3/8/12

OWNER:
JANICE SHEILA ZIRKLE
1605 SHAFERSVILLE ROAD
MOUNT AIRY, MD 21771

DATE	REVISIONS
03/07/12	GARAGE

STATE OF MARYLAND
RONALD EDWARD THOMPSON
No. 18417
PROFESSIONAL ENGINEER

SITE PLAN
LOT 2, SECTION ONE

ZIRKLE SUBDIVISION

1605 SHAFFERSVILLE ROAD
ELECTION DISTRICT No. 4
HOWARD COUNTY, MARYLAND
EXISTING ZONING: RC
RECORDED AS PLAT M.D.R. NO 12700
SCALE: AS SHOWN FEBRUARY, 2012
HO. CO. #

VANMAR ASSOCIATES, INC.
Engineers Surveyors Planners
310 South Main Street P.O. box 328 Mount Airy,Maryland 21771
(301) 829 2890 (301)831 5015 (410) 549 2751

89-2138

Q:\AutoDesk\Jobs\89-2138 Zirkle Prop\Dwg\89-2138 Zirkle.dwg