

Bureau of Environmental Health
 7178 Gateway Drive Columbia, MD 21046
 (410) 313-2640 Fax (410) 313-2648
 TDD (410) 313-2323 Toll Free 1-866-313-6300
 website: www.hchealth.org

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

APPLICATION FOR PERCOLATION TESTING AND SITE EVALUATION

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME Lawrence R Hyman LOT # _____

PROPERTY ADDRESS _____

STREET

TOWN

ZIP

TAX ACCOUNT # 285200 TAX MAP 23 GRID 09 PARCEL 113 ZONING DESIGNATION RC-DEO

PROPERTY OWNER(S) Lawrence & Lois Hyman

DAYTIME PHONE _____ CELL 410-707-0450 EMAIL lrhymanmd@aol.com

MAILING ADDRESS 3681 Folly Quarter Rd Ellicott City, Md 21042
 STREET CITY, STATE ZIP

APPLICANT Jeremy Rutter RELATIONSHIP TO OWNER: _____

DAYTIME PHONE _____ CELL (410) 982-2882 EMAIL jeremy@rutterpm.com

MAILING ADDRESS P.O. Box 126 Lisbon, Md 21765
 STREET CITY, STATE ZIP

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S):

BUILDING:

- RESIDENTIAL WITH 4 or 5 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
- COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

PROPERTY:

- SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: 7
- CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
- REPAIR OR REPLACE FAILING OSDS
- UPGRADE EXISTING OSDS

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- YES
- NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.
- THE APPLICATION FEE IS NON-REFUNDABLE
- THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
- THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

Lawrence R Hyman Lois W Hyman

8/29/13

SIGNATURE OF APPLICANT

DATE

AVP

North

Parcel Line

Parcel 113

827

831

0.2' dk brn L 2fg
 1.2' brn L 1/2 fsbk } few mica
 1' brn cl, 2msbk }
 2.8' brn L, 2msbk }
 3.4' brn chs | ss
 dense, common mica
 5.4' brn sl, ss
 1 fsbk, many mica
 6.7' brn chs
 9' many mica
 12' yel-red and pale brn ls, many mica



826
 (in Paddock at Stable) →

831

827

828

829

830

→swale→

0.4' dk brn L 2fg
 2.2' brn L, 2msbk
 H. brn L, 2msbk
 1 common mica
 3' lt. brn lfs
 many fine mica
 4.5' yel-red & pale yellow ls
 7.3' 1 impl
 13.5' dk brn L 2fg
 22' brn L, 2msbk
 22' yel-red sl
 1msbk, many mica
 32' yel-red & pale brn ls, many mica
 4.2' yel-red & pale yellow ls

830

828

829

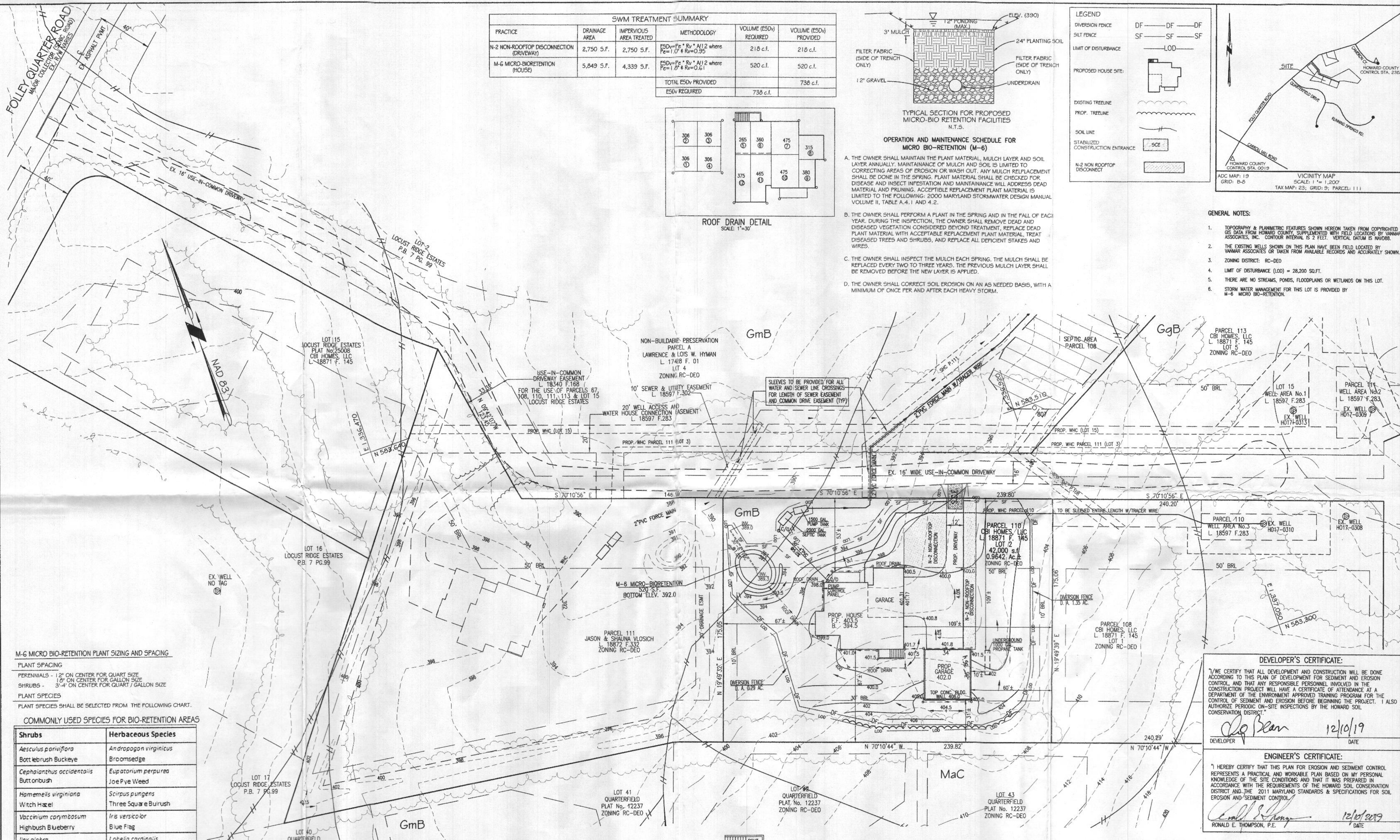
0.6' dk brn L 2fg to 1fsbk
 1.5' brn L, 1msbk
 2.3' brn cl, 2msbk
 few mica
 3' brn chs | ss
 2fsbk common mica
 3.5' brn L, 1msbk
 common mica
 4.5' yel-red & brn sl
 many mica
 12' yel-red & pale yellow ls, many mica

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
6/27/14	831	6.3' / 12'	10:47	10:57	11:13	16	P
6/27/14	827	4.2' / 13.5'	9:41	9:43	9:46	3	P
6/27/14	828	5.2' / 12'	10:05	10:07	10:09	2	P
6/27/14	829	12'	Visual	Sidewalk	0.8 gpd	4" - 8" / 10"	P
6/27/14	830	5.3' / 12'	11:16	11:21	11:31	10	P
6/27/14	826	4.6' / 11'	11:34	11:39	11:47	8	P

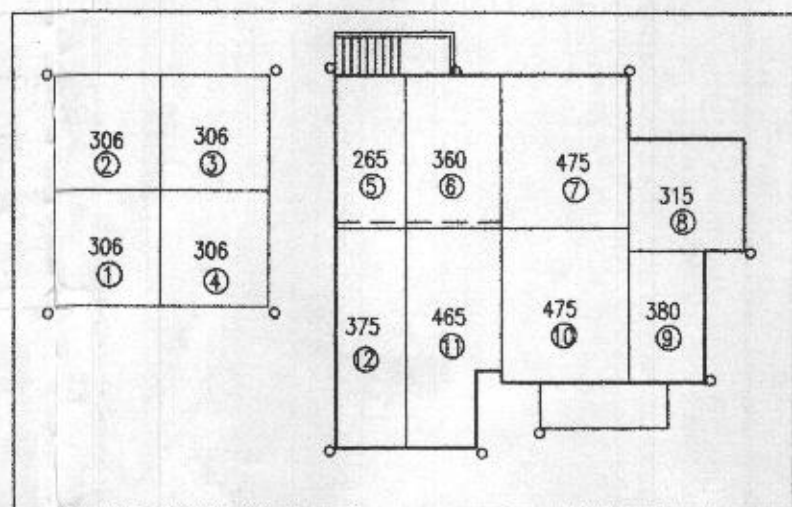
0.8' dk brn L to brn L
 1.8' brn L, 2msbk
 common fine mica
 2.6' brn sl, 1fsbk
 few mica
 4' brn cl, 2msbk
 few mica
 4' lt. brn L, 2fsbk
 common mica
 5.5' brn sts | 2fpl
 many mica
 8.2' brn ls
 many mica
 12' grey-brn ls

0.8' dk brn L to brn L
 1.8' brn L, 2msbk
 common fine mica
 2.6' brn sl, 1fsbk
 many mica
 4' yel-red, pale brn
 2 grey brn ls, 2fpl
 5.7' many mica
 red & brn ls to yel-red & pale yellow ls: many mica - 10.5' chls to

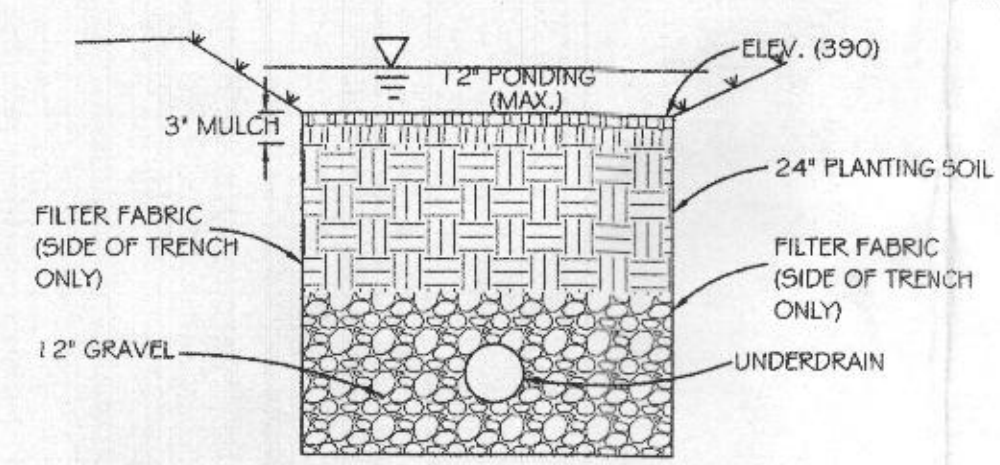
REMARKS: _____
 SANITARIAN: R Bricker BACKHOE: Chuck Zgon OTHERS: Jeremy Kuttler
 TEST HOLES USED IN SDA: _____ AVG. PERC TIME: _____ SQ. FT/BR: _____
 TRENCH WIDTH: _____ INLET DEPTH: _____ MAX. BOT DEPTH: _____ EFFECTIVE SW: _____



SWM TREATMENT SUMMARY					
PRACTICE	DRAINAGE AREA	IMPERVIOUS AREA TREATED	METHODOLOGY	VOLUME (ESD _v) REQUIRED	VOLUME (ESD _v) PROVIDED
N-2 NON-ROOFTOP DISCONNECTION (DRIVEWAY)	2,750 S.F.	2,750 S.F.	$ESD_v = P_e \cdot R_v \cdot A / 2$ where $P_e = 1.0$ & $R_v = 0.35$	218 c.f.	218 c.f.
M-6 MICRO-BIORETENTION (HOUSE)	5,849 S.F.	4,339 S.F.	$ESD_v = P_e \cdot R_v \cdot A / 2$ where $P_e = 1.0$ & $R_v = 0.61$	520 c.f.	520 c.f.
TOTAL ESD _v PROVIDED				738 c.f.	738 c.f.
ESD _v REQUIRED				738 c.f.	



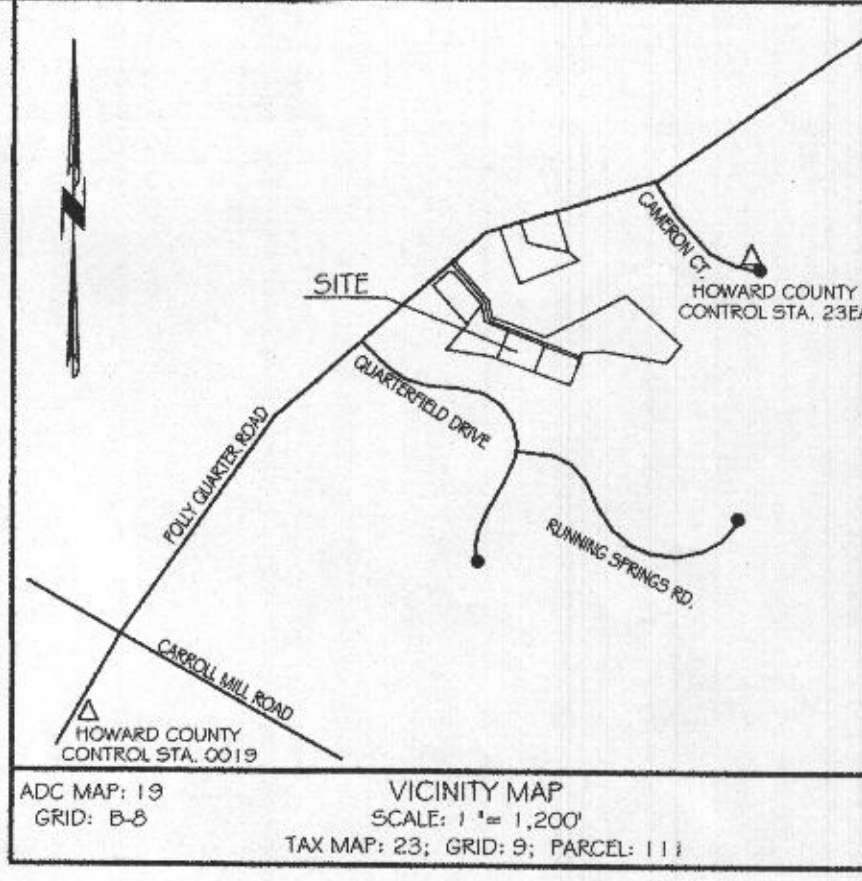
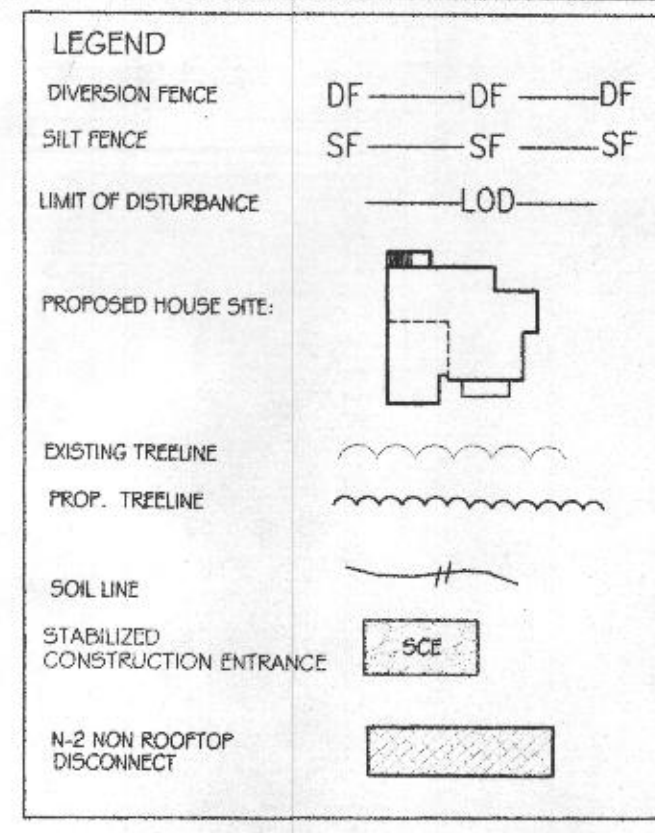
ROOF DRAIN DETAIL
SCALE: 1"=30"



TYPICAL SECTION FOR PROPOSED MICRO-BIO RETENTION FACILITIES
N.T.S.

OPERATION AND MAINTENANCE SCHEDULE FOR MICRO-BIO-RETENTION (M-6)

- THE OWNER SHALL MAINTAIN THE PLANT MATERIAL, MULCH LAYER AND SOIL LAYER ANNUALLY. MAINTENANCE OF MULCH AND SOIL IS LIMITED TO CORRECTING AREAS OF EROSION OR WASH OUT. ANY MULCH REPLACEMENT SHALL BE DONE IN THE SPRING. PLANT MATERIAL SHALL BE CHECKED FOR DISEASE AND INSECT INFESTATION AND MAINTENANCE WILL ADDRESS DEAD MATERIAL AND PRUNING. ACCEPTABLE REPLACEMENT PLANT MATERIAL IS LIMITED TO THE FOLLOWING: 2000 MARYLAND STORMWATER DESIGN MANUAL VOLUME II, TABLE A.4.1 AND 4.2.
- THE OWNER SHALL PERFORM A PLANT IN THE SPRING AND IN THE FALL OF EACH YEAR. DURING THE INSPECTION, THE OWNER SHALL REMOVE DEAD AND DISEASED VEGETATION CONSIDERED BEYOND TREATMENT, REPLACE DEAD PLANT MATERIAL WITH ACCEPTABLE REPLACEMENT PLANT MATERIAL, TREAT DISEASED TREES AND SHRUBS, AND REPLACE ALL DEFICIENT STAKES AND WIRES.
- THE OWNER SHALL INSPECT THE MULCH EACH SPRING. THE MULCH SHALL BE REPLACED EVERY TWO TO THREE YEARS. THE MULCH SHALL BE REMOVED BEFORE THE NEW LAYER IS APPLIED.
- THE OWNER SHALL CORRECT SOIL EROSION ON AN AS NEEDED BASIS, WITH A MINIMUM OF ONCE PER YEAR AND AFTER EACH HEAVY STORM.



GENERAL NOTES:

- TOPOGRAPHY & PLANNING FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD83.
- THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.
- ZONING DISTRICT: RC-DEO
- LIMIT OF DISTURBANCE (LOD) = 28,200 SQ.FT.
- THERE ARE NO STREAMS, PONDS, FLOODPLAINS OR WETLANDS ON THIS LOT.
- STORM WATER MANAGEMENT FOR THIS LOT IS PROVIDED BY M-6 MICRO-BIO-RETENTION.

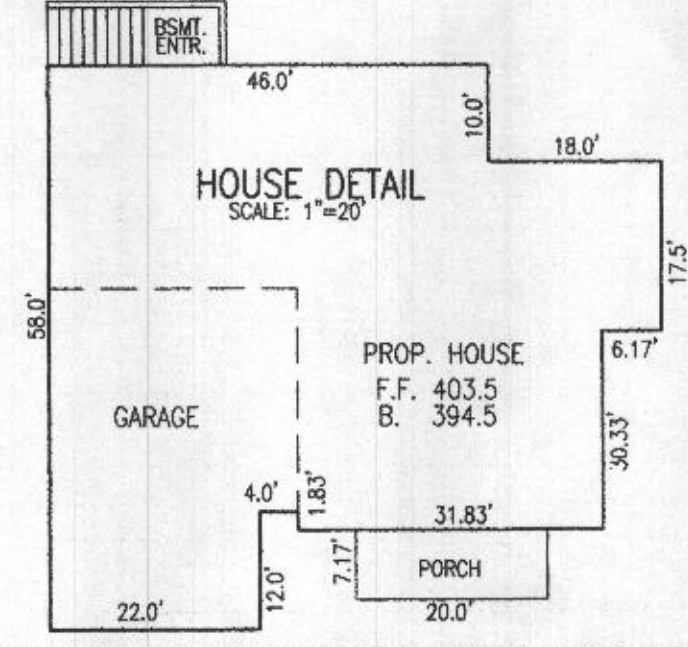
M-6 MICRO-BIO-RETENTION PLANT SIZING AND SPACING

- PLANT SPACING
 PERENNIALS - 12" ON CENTER FOR QUART SIZE
 SHRUBS - 18" ON CENTER FOR GALLON SIZE
 SHRUBS - 3'-4" ON CENTER FOR QUART / GALLON SIZE
 PLANT SPECIES
 PLANT SPECIES SHALL BE SELECTED FROM THE FOLLOWING CHART.

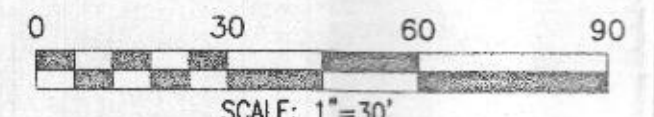
COMMONLY USED SPECIES FOR BIO-RETENTION AREAS

Shrubs	Herbaceous Species
<i>Aesculus parviflora</i> Bott lebrush Buckeye	<i>Andropogon virginicus</i> Broomsedge
<i>Cephalanthus occidentalis</i> Burrbush	<i>Eupatorium purpureum</i> Joe Pye Weed
<i>Hamamelis virginiana</i> Witch Hazel	<i>Scirpus pungens</i> Three Square Burreed
<i>Vaccinium corymbosum</i> Highbush Blueberry	<i>Iris versicolor</i> Blue Flag
<i>Ilex glabra</i> Inkberry	<i>Labelia cardinalis</i> Cardinal Flower
<i>Ilex verticillata</i> Winterberry	<i>Panicum virgatum</i> Switchgrass
<i>Viburnum dentatum</i> Arrowwood	<i>Dichanthium scoparium</i> Broom Panic Grass
<i>Lindera benzoin</i> Spicebush	<i>Rudbeckia laciniata</i> Tall Coneflower
<i>Myrica pensylvanica</i> Bayberry	<i>Scirpus cyperinus</i> Woolgrass
	<i>Vernonia noveboracensis</i> New York Ironweed

SOIL LEGEND			
MAP SYMBOL	MAPPING UNIT	PERCENT	HYDROLOGIC SOIL GROUP
GmB	GLENVILLE	3-8%	C
GgA	GLENELG LOAM	0-3%	B
GgB	GLENELG LOAM	3-8%	B
MaC	MANOR LOAM	8-15%	B



HOUSE DETAIL
SCALE: 1"=20"

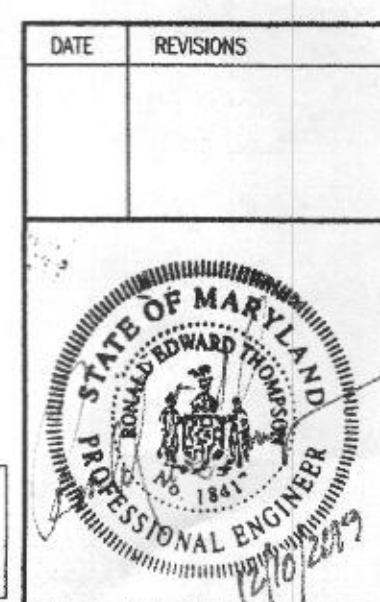


OWNER / DEVELOPER:
 CBI HOMES, LLC
 11175 STRATFIELD CT.
 MARRIOTTVILLE, MD 21104
 410-442-2211

PROFESSIONAL CERTIFICATION
 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: 9-18-21.

DEVELOPER'S CERTIFICATE:
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT FOR SEDIMENT AND EROSION CONTROL, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.
 [Signature] 12/10/19
 DEVELOPER DATE

ENGINEER'S CERTIFICATE:
 I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT AND THE 2011 MARYLAND STANDARDS & SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
 [Signature] 12/10/2019
 RONALD E. THOMPSON, P.E. DATE



PLOT PLAN AND SEDIMENT CONTROL PLAN
 HYMAN PROPERTY
 CBI HOMES, LLC
 L 18871 F. 145
 LOT 2
 3685 FOLLY QUARTER ROAD

TAX MAP: 23
 GRID NO: 9
 PARCEL NO: 110

ELECTION DISTRICT: No. 3
 HOWARD COUNTY, MARYLAND
 EX. ZONING: RC-DEO

SCALE: 1" = 30'
 DATE: DECEMBER 2019
 SHEET 1 OF 2

VANMAR ASSOCIATES, INC.
 Engineers Surveyors Planners
 310 South Main Street Mount Airy, Maryland 21771
 (301) 829-2890 (301) 831-5015 (410) 549-2751
 Fax (301) 831-5603 © Copyright, Latest Date Shown

