

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 # 285235 TAX MAP 23 GRID 09 PARCEL 110 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.

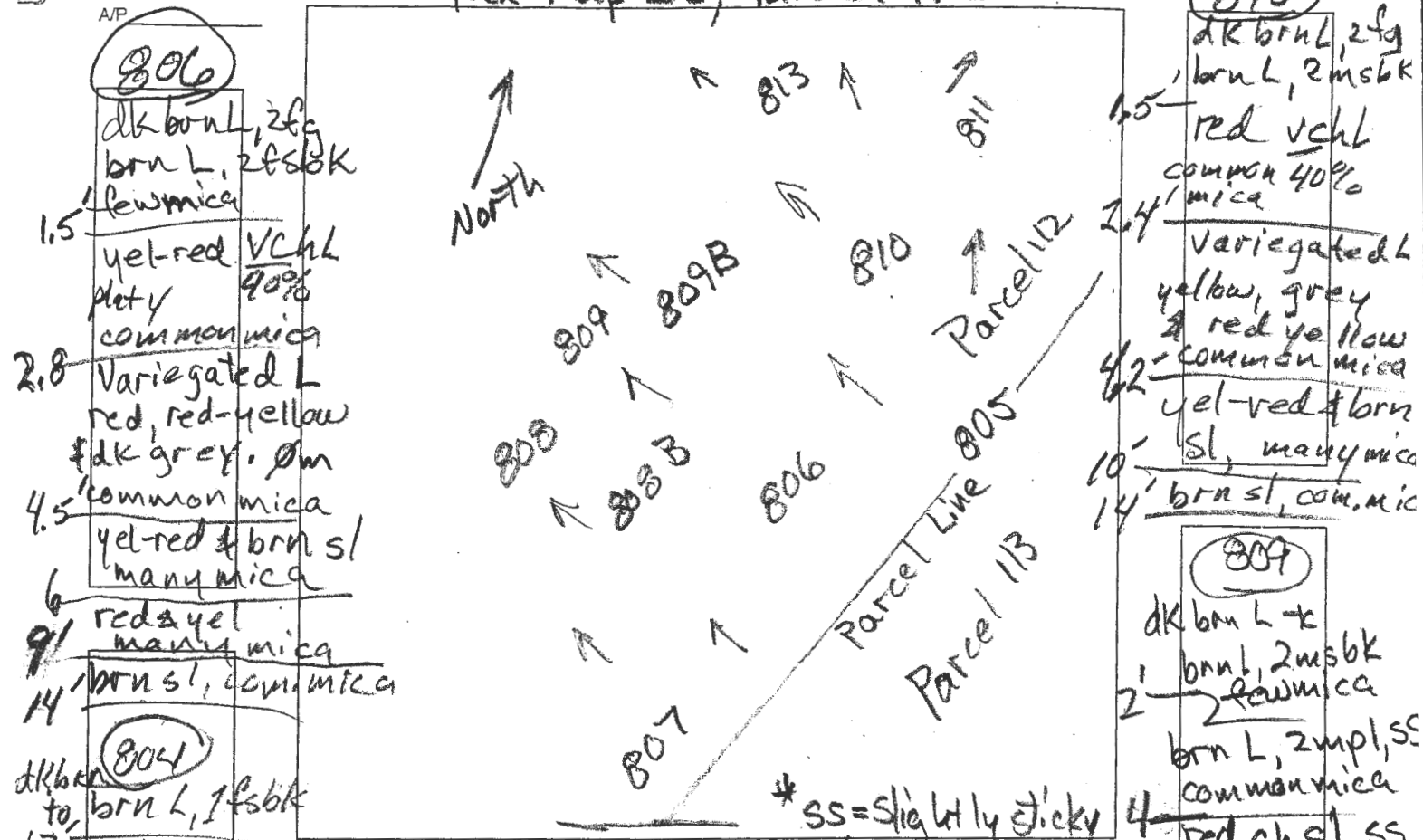
By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

8/29/13

SIGNATURE OF APPLICANT

DATE

Tax Map 23, Parcel 112



1.5' dk brn L, 2fg, brn L, 2f, sbk
 few mica
 2.8' yel-red vchl platy 90% common mica
 Variegated L red, red-yellow & dk grey, pm
 4.5' common mica
 yel-red & brn sl many mica
 6' red & yel many mica
 9' brn sl, com. mica
 14' dk brn L to brn L, 1f, sbk
 1.7' red vchl common mica
 2.2' brn chsl many mica
 4.5' red chsl many mica
 7' brn chls micaceous platy
 10' **809-B**
 dk grey-brn L, brn L, 1f, sbk
 SS, few mica
 0.9' yel-red cl 2f, sbk, SS
 2.5' com. mica
 brn L, pm
 3.9' com. mica
 brn sl, pm
 com. mica
 15% stones
 7' pale red-yellow & pale yellow ls, many mica

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/24/14	806	5' 8" / 14'	Ø	(1.5)	(5:00)	3.5	P
3/24/14	810	5' 4" / 14'	Ø	(2)	(5)	3	P
3/24/14	809	6' / 13'	9.59	10:45			F
3/24/14	804	3' / 10'	Ø	(2,3)	(6,3)	4	P
3/24/14	808-B	13'	Visual	5' to 8' OK	at 1.2 gpd/G ²		P
3/24/14	808-B	13'	Sidewall	3.5' to 5'	0.8 gpd/G ²		P
3/24/14	808-B	13.5'	Visual	7' to 8"	1.2 gpd/G ²		P
3/24/14	809-B	Add	Sidewall	4' to 7'	0.6 gpd/G ²		P

810
 dk brn L, 2fg, brn L, 2msbk
 1.5' red vchl common 40% mica
 2.4' Variegated L yellow, grey & red yellow common mica
 4.2' yel-red & brn sl, many mica
 10' brn sl, com. mica
809
 dk brn L to brn L, 2msbk, few mica
 2' brn L, 2mpl, SS
 common mica
 4' red chsl, SS, many mica
 0.7' red-yel & grey sils, micaceous
808-B
 dk grey-brn L to brn L, 2f, sbk
 0.8' brn cl 2msbk, com. mica
 2.2' brn L, 1msbk, few mica
 3.5' brn sl (heavy) many mica
 5' red-yel chls few stones
 11' pale red-yel & pale yel chls
 13' pale red-yellow sils, many mica / pale red-yellow & pale yellow sils, 10's clanners / 13'.

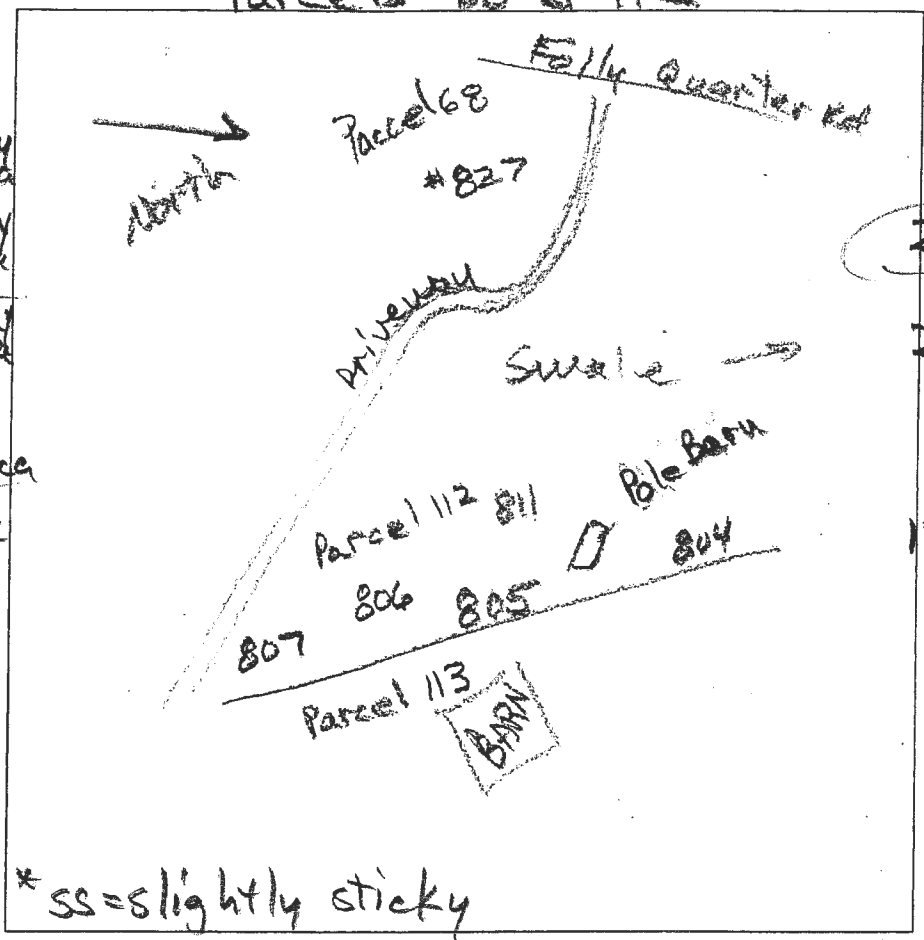
REMARKS _____
 SANITARIAN R Bricker BACKHOE Chuck Zapp OTHERS Jeremy Rutter
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

Parcels 68 & 112

A/P

805

- 811**
- 0.4' dk brn sl, many 2 fsbk, mica
 - 1.5' brn sl, many 1 fsbk, mica
 - 7' brn ls, many 0m, mica
 - 10' brn ls, common fine mica
 - 12' brn & white sil, 0m



- 1' brn sl, common mica
- 1' yel-red L, common mica
- 2.1' 2 fsbk
- 2.6' brn chl, many mica
- 12' brn ls, many mica, few stones and boulders

*SS = slightly sticky

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
3/24/14	811	3 1/2'	Ø	3.8	10.3	6.5	P
		Parcel 112					
		Parcel 68					
3/24/14	827	13'	Visual		2.4' - 9'	0.8 gpd/ft ²	P

- 827**
- 3.2' dk grey brn L, 3fg
 - 0.8' pale yel-brn L, 2 fsbk
 - 2.4' brn L, 2msbk, SS, common mica
 - 4.4' brn fsl, 1mp1
 - 6.7' to brn fsl, 0m, few mica
 - brn & yel ls
 - pale brn & yellow ls

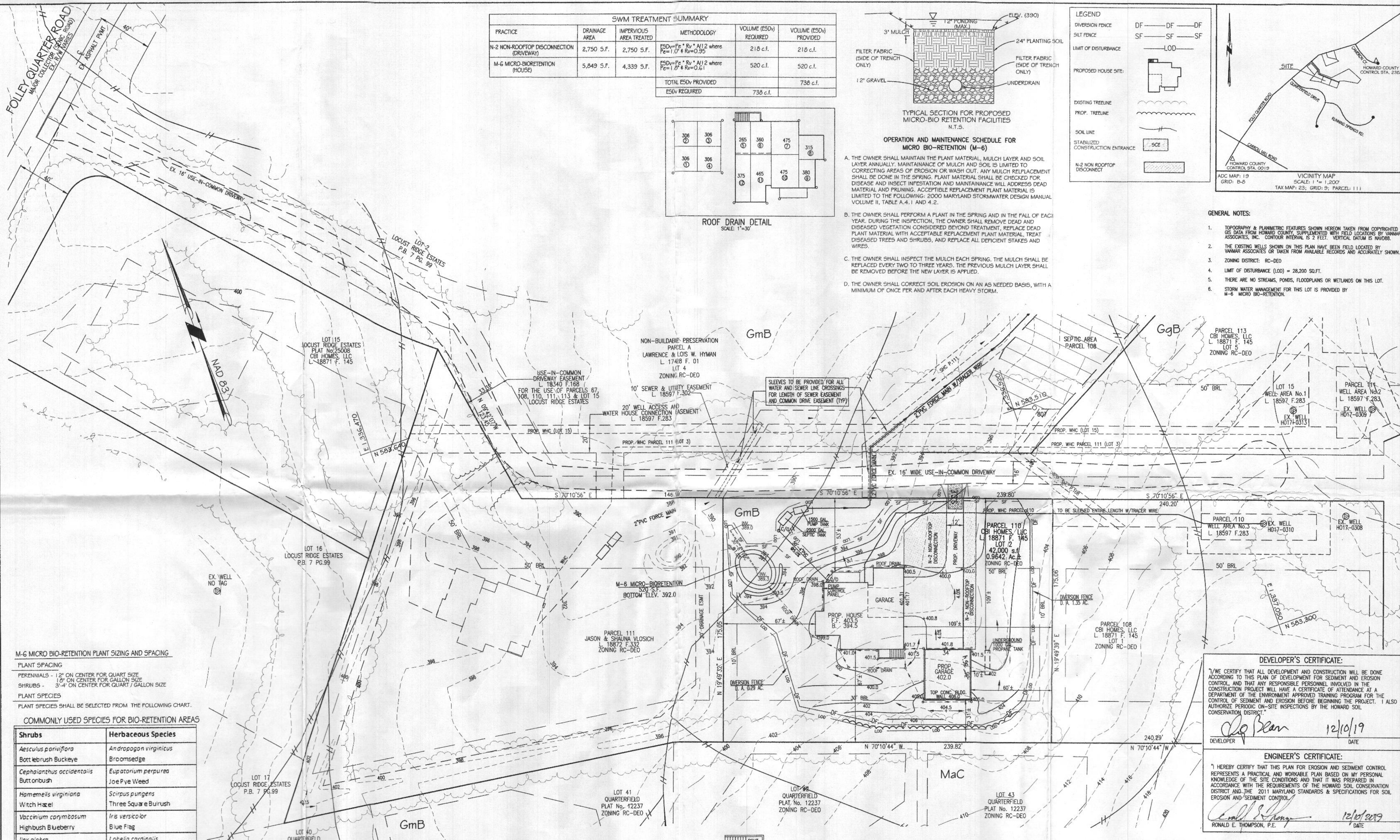
REMARKS _____

SANITARIAN _____ BACKHOE _____ OTHERS _____

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

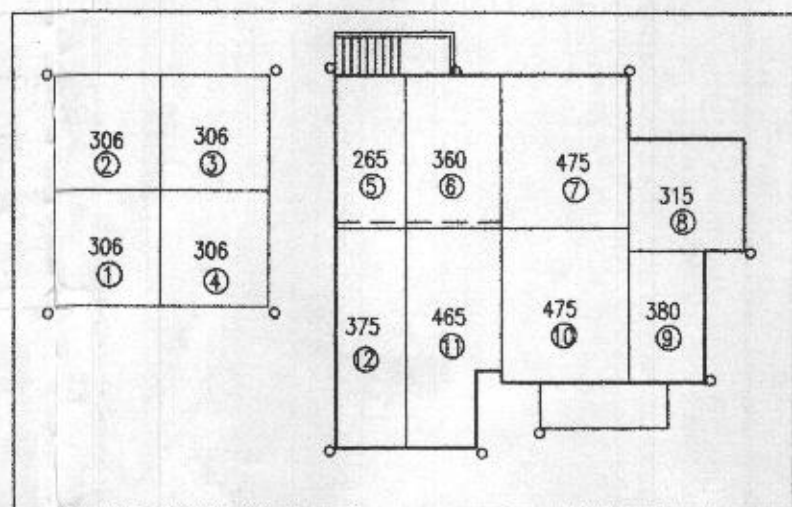
TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

brn fsl, many mica 13'

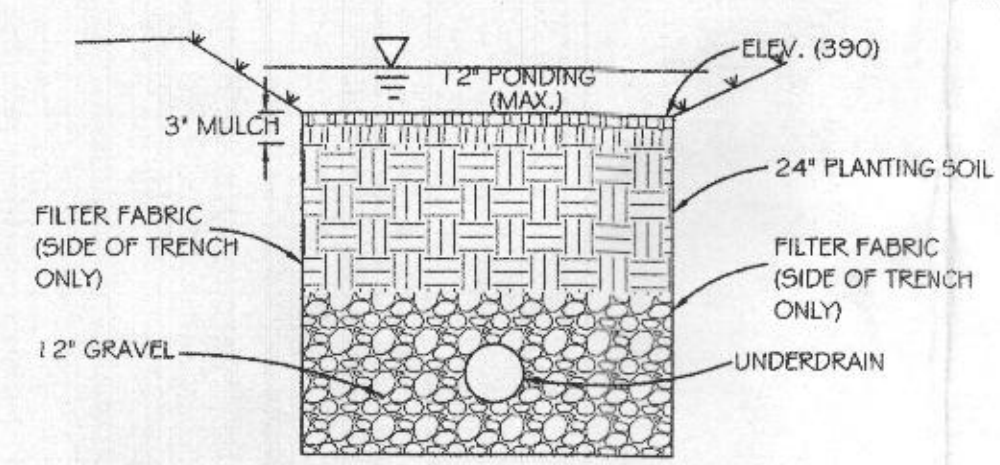


SWM TREATMENT SUMMARY

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.	$ESD_v = P_c \cdot R_v \cdot A / 2$ where $P_c = 1.0$ & $R_v = 0.35$	218 c.f.	218 c.f.
M-6 MICRO-BIORETENTION (HOUSE)	5,849 S.F.	4,339 S.F.	$ESD_v = P_c \cdot R_v \cdot A / 2$ where $P_c = 1.0$ & $R_v = 0.61$	520 c.f.	520 c.f.
TOTAL ESD_v PROVIDED				738 c.f.	738 c.f.
ESD_v REQUIRED				738 c.f.	



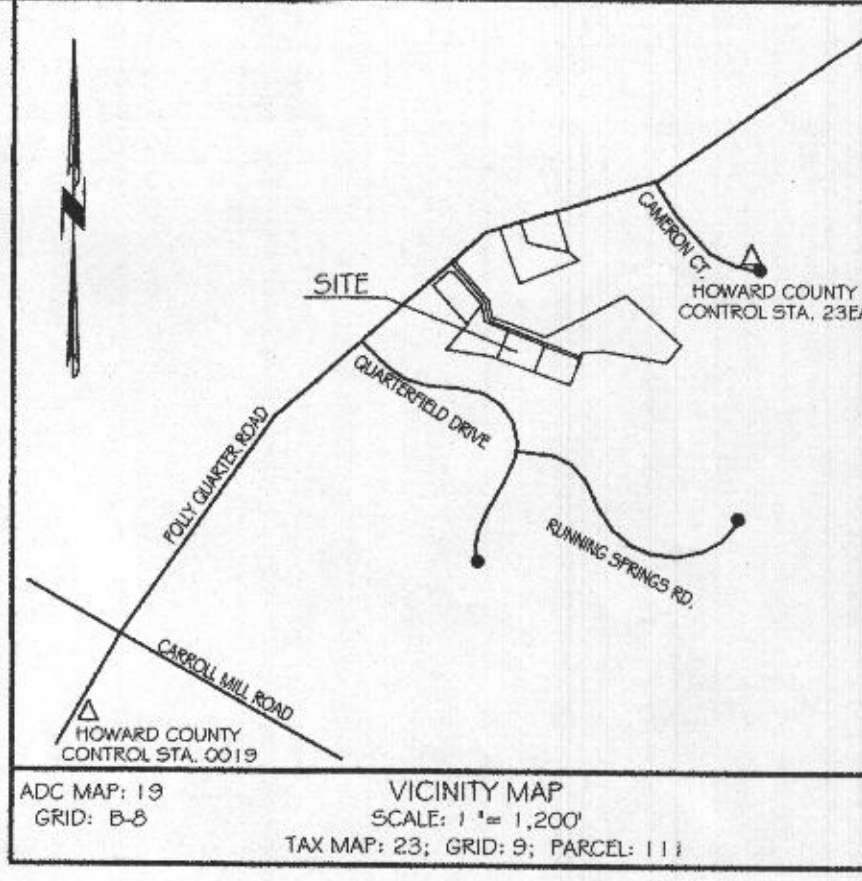
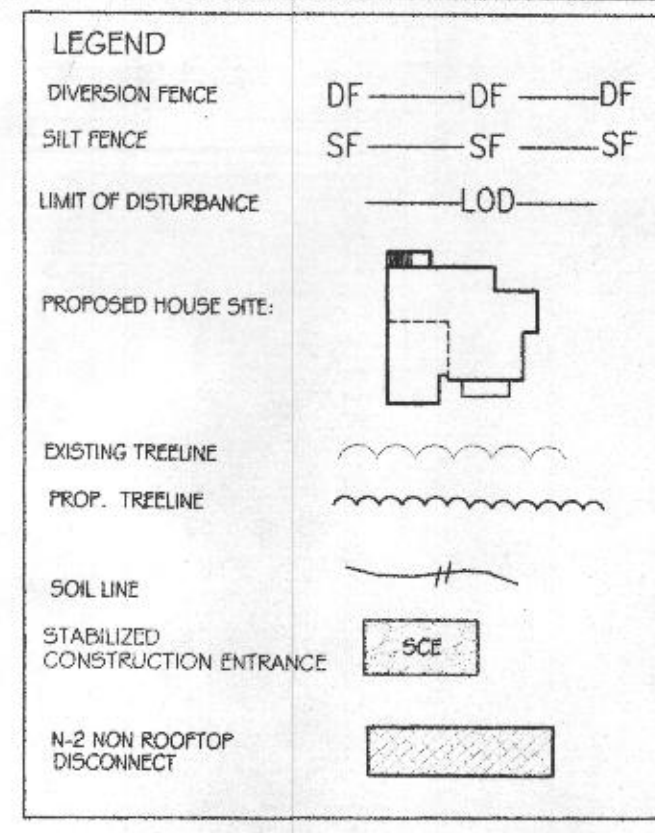
ROOF DRAIN DETAIL
SCALE: 1"=30"



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

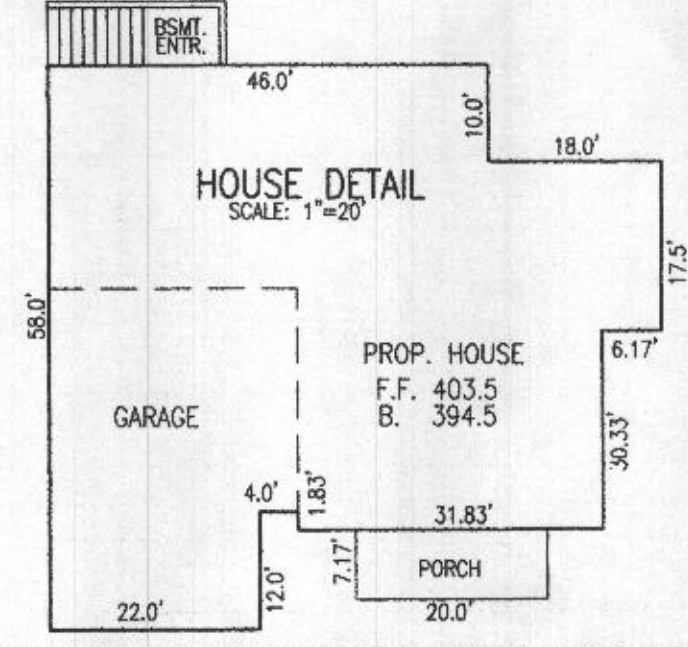
- PLANT SPACING**
PERENNIALS - 12" ON CENTER FOR QUART SIZE
SHRUBS - 18" ON CENTER FOR GALLON SIZE
SHRUBS - 3'-4" ON CENTER FOR QUART / GALLON SIZE
- PLANT SPECIES**
PLANT SPECIES SHALL BE SELECTED FROM THE FOLLOWING CHART.

COMMONLY USED SPECIES FOR BIO-RETENTION AREAS

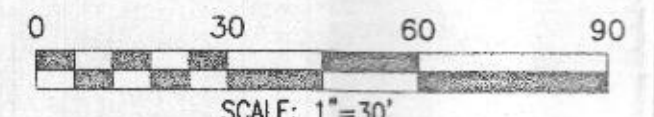
Shrubs	Herbaceous Species
Aesculus parviflora	Andropogon virginicus
Bottlebrush Buckeye	Broomsedge
Cephalanthus occidentalis	Eupatorium purpureum
Burnt bush	Joe Pye Weed
Hamamelis virginiana	Scirpus pungens
Witch Hazel	Three Square Broomrape
Vaccinium corymbosum	Iris versicolor
Highbush Blueberry	Blue Flag
Ilex glabra	Labelia cardinalis
Inkberry	Cardinal Flower
Ilex verticillata	Panicum virgatum
Winterberry	Switchgrass
Viburnum dentatum	Dichanthium scoparium
Arrowwood	Broom Panic Grass
Lindera benzoin	Rudbeckia laciniata
Spicebush	Tall Coneflower
Myrica pennsylvanica	Scirpus cyperinus
Bayberry	Woolgrass
	Vernonia noveboracensis
	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.
MARKROTTSVILLE, MD 21104
410-442-2211

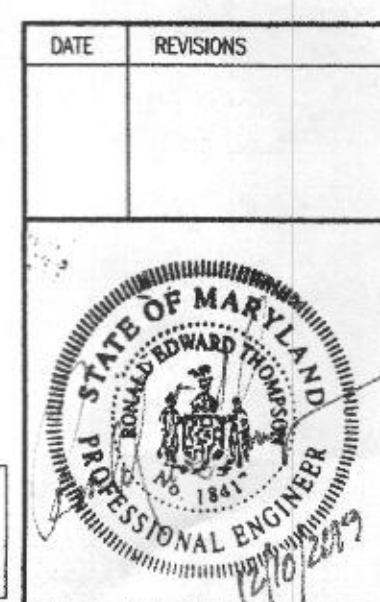
PROFESSIONAL CERTIFICATION
I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland, License No. 18417, Expiration Date: 9-18-21.

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

B-4-2 STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS

Definition: The application of soil to sustain adequate vegetative stabilization.

Purpose: To provide a suitable soil medium for vegetative growth.

- Conditions Where Practice Applies: To the surface of all perimeter controls, slopes, and any disturbed area not under active grading.
- Criteria: A. Soil Preparation 1. Temporary Stabilization 2. Permanent Stabilization 3. Soil Amendment

B-4-3 STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING

Definition: The application of seed and mulch to establish vegetative cover.

Purpose: To protect disturbed soils from erosion during and at the end of construction.

Conditions Where Practice Applies: To the surface of all perimeter controls, slopes, and any disturbed area not under active grading.

- Criteria: A. Seeding 1. General Use 2. Turfgrass Seeding 3. Topsoil Seeding 4. Sod Installation 5. Sod Maintenance 6. Sod Replacement

HOWARD COUNTY CONSERVATION DISTRICT STANDARD SEDIMENT CONTROL NOTES

- 1) A pre-construction meeting must occur with the Howard County Department of Public Works, Construction Inspection Division (CID), 410-313-1885 after the future LOD and protected area marked clearly in the field. A minimum of 48 hour notice to CID must be given a the following stages: a. Prior to the start of earth disturbance or grading. b. Upon completion of the installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading.

B-4-5 STANDARDS AND SPECIFICATIONS FOR PERMANENT STABILIZATION

Definition: To stabilize disturbed soils with permanent vegetation.

Purpose: To stabilize long-lived perennial grasses and legumes to establish permanent ground cover on disturbed soils.

- Conditions Where Practice Applies: Erosion soils where ground cover is needed for 6 months or more.
- Criteria: A. Seed Mixture 1. General Use 2. Site Specific Mixture 3. Sod Installation 4. Sod Maintenance 5. Sod Replacement

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

Material	Specifications	Size	Notes
Plantings	see Appendix A, Table A.4	n/a	plantings are site-specific
Planting soil (12" to 4" deep)	loamy sand (60-65%) & loamy silt (35-40%) or sandy loam (30%), coarse sand (20%) & compost (40%)	n/a	USDA soil types loamy sand or sandy loam; clay content < 5%
Organic matter	Min. 10% by dry weight (ASTM D 2974)	n/a	
Gravel	clean, washed, 3/4" - 1/2" (ASTM D 448)	NO. 10 OR NO. 9 (1/8" TO 3/8")	aged 6 months, minimum no pile or wood chips
Curbs/Drain	conventional stone: washed cobbles	stone: 2" to 5"	
Celexite	AASHTO M-43	n/a	PE Type 1 aggregates
Gravel/bedrock and infiltration forms	see Section 1.0	n/a	
Underdrain piping	F 75E, Type PS 28 or AASHTO M-3278	n/a	3/4" to 1" nominal diameter, 40 P.P.C. or 316 SS
Formed in place concrete (if required)	MSHA Mix No. 3; f'c = 3500 psi @ 28 days, normal weight, 24 day strength and slump test, all concrete designs must be approved by a professional structural engineer licensed in the State of Maryland	n/a	28 day strength and slump test, all concrete designs must be approved by a professional structural engineer licensed in the State of Maryland (10:1 or 15:1); allowable axial code: 3500 P.S.I.; vertical loading (nominal); and analysis of potential cracking
Sand	AASHTO M-6 or ASTM C-137	0.075" to 0.084"	Small submaterials such as Diatomite and Gyprochem (AASHTO) 910 are not acceptable. No calcium carbonate or diatomite sand submaterials are acceptable. No "rock dust" can be used for sand.

Specifications for Micro-Bioremediation, Rain Gardens, Landscape Infiltration & Infiltration Berms

1. Material Specifications

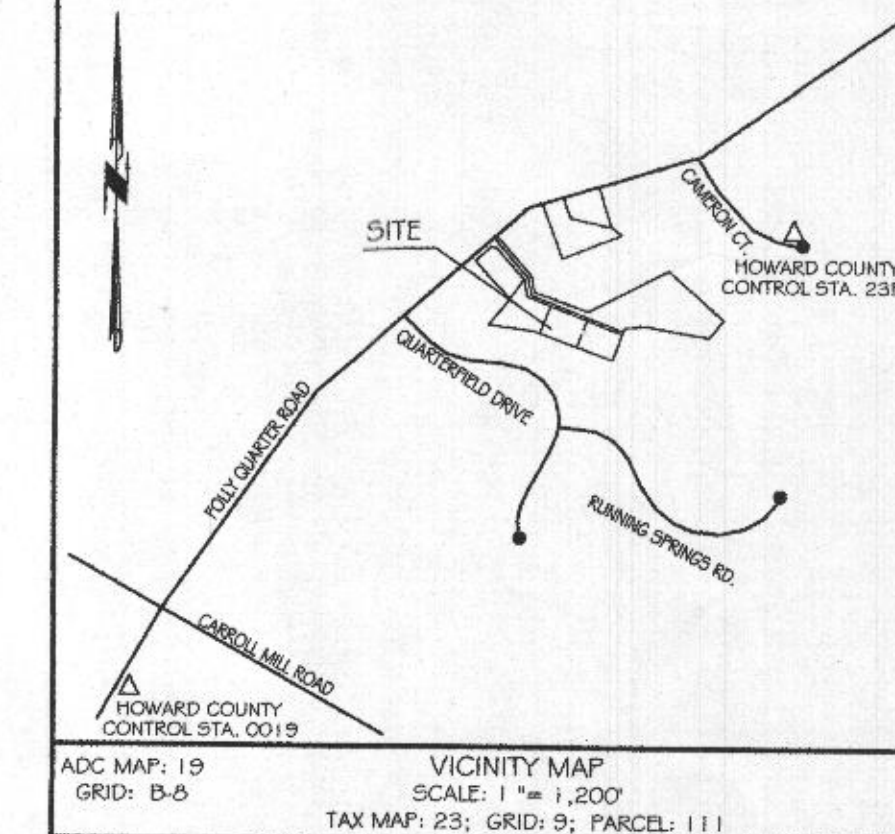
The allowable materials to be used in these practices are detailed in Table B.4.1.

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-bioremediation 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.

Compaction

It is very important to minimize compaction of both the base of bioremediation practices and the topsoil. The primary function of the bioremediation practice is to remove original soil. If practices are excavated using a loader, the contractor should use equipment with narrow track equipment, or light equipment with turf type tires. Use of high-pressure tires will cause excessive compaction resulting in reduced infiltration rates and is not acceptable. Compaction will significantly contribute to design failure.



SEQUENCE OF CONSTRUCTION

1. OBTAIN ALL REQUIRED GRADING, MDE PERMITS, APPROVALS AND LICENSING FROM APPROPRIATE AGENCIES. (1 WEEK)
2. NOTIFY SEDIMENT CONTROL INSPECTOR AT LEAST THREE (3) WORKING DAYS PRIOR TO STARTING WORK. (1 WEEK)
3. INSTALL STABILIZED CONSTRUCTION ENTRANCE, SUPER SILT FENCE AND OTHER SEDIMENT CONTROL DEVICES AS SHOWN IN THE SEDIMENT CONTROL PLAN. (2 WEEKS)
4. INSTALL SUPER SILT FENCE IN GRASS SWALES AS GRASS SWALES ARE BEING CONSTRUCTED AND STABILIZED.
5. STABILIZE ALL GRADED AREAS UP TO 20' OUTSIDE OF THE LIMIT OF GRADING AS PER PERMANENT SEEDING NOTES. (3 WEEKS)
6. EXCAVATE HOUSE FOUNDATION, HOUSE CONSTRUCTION, UTILITIES AND INSTALL SEPTIC. (2 WEEKS)
7. ANY AREAS THAT CAN BE TEMPORARILY SEED DURING CONSTRUCTION MUST BE TEMPORARILY STABILIZED PER SEEDING NOTES.
8. INSTALL DRIVEWAY. (2 WEEKS)
9. CONSTRUCT MDE-6 MICRO BIO-RETENTION FACILITY.
10. STABILIZE DISTURBED AREAS PER PERMANENT SEEDING NOTES. (1 WEEK)
11. UPON APPROVAL OF SEDIMENT CONTROL INSPECTOR, REMOVE ALL TEMPORARY SEDIMENT CONTROL DEVICES FOR HOUSE CONSTRUCTION. (1 WEEK)
12. NOTIFY INSPECTOR FOR FINAL INSPECTION. (1 WEEK)

DUST CONTROL

TEMPORARY CONTROL METHOD FOR THIS SITE TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SURFACES: GRASS STRIPES SHALL BE APPLIED TO EXPOSED SURFACES AT A RATE THAT WILL KEEP SURFACE MOIST UNTIL SOIL IS STABILIZED ACCORDING TO VEGETATIVE SPECS. FOR THIS SITE AND AREAS TO BE PAVED ARE COMPLETE.

STANDARD STABILIZATION NOTE

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN:
A. THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND
B. SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

SUPER SILT FENCE IS TO BE INSTALLED AT THE DIRECTION OF THE SEDIMENT CONTROL INSPECTOR

TEMPORARY STOCKPILE NOTE

SITE EARTHWORK HAS BEEN BALANCED SUCH THAT A TEMPORARY STOCKPILE SHOULD NOT BE NECESSARY. SHOULD CONTRACTOR DECIDE TO USE A STOCKPILE, CONTRACTOR SHALL PLACE STOCKPILE ON SUITABLE AREA OF THE SITE AND FOLLOW TEMPORARY STABILIZATION NOTES.

DEVELOPER'S CERTIFICATE:

I/WE CERTIFY THAT CLEARING, GRADING, CONSTRUCTION, OR DEVELOPMENT WITHIN THE PERMITSUBJECT TO THIS APPROVED EROSION AND SEDIMENT CONTROL PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROLS, AND THAT THE RESPECTIVE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT (MDE) TRAINING PROGRAM FOR THE CONTROL OF EROSION AND SEDIMENT PRIOR TO BEGINNING THE PROJECT. I/CERTIFY RIGHT-OF-ENTRY FOR PERIODIC ON-SITE EVALUATION BY HOWARD COUNTY, THE HOWARD COUNTY SOIL CONSERVATION DISTRICT, AND/OR MDE.
[Signature] 12/10/19
DEVELOPER

ENGINEER'S CERTIFICATE:

I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGNED IN ACCORDANCE WITH CURRENT MARYLAND EROSION AND SEDIMENT CONTROL LAWS, REGULATIONS, AND STANDARDS, AND THAT IT REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
[Signature] 12/10/2019
RONALD E. THOMPSON, P.E. DATE

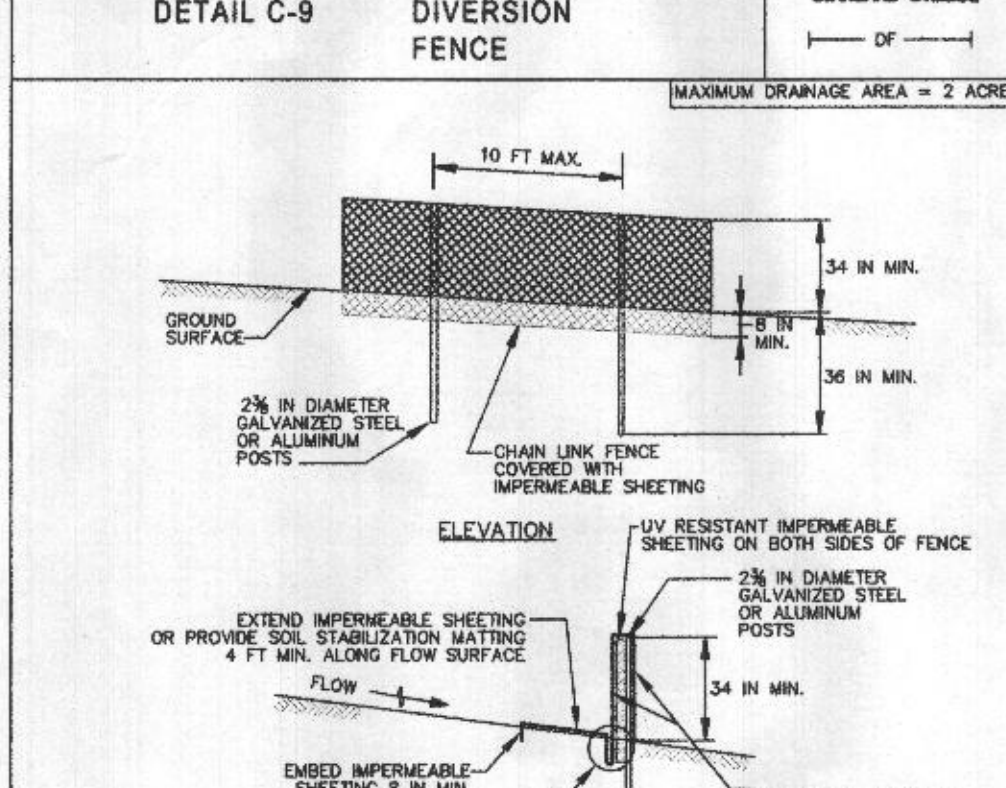
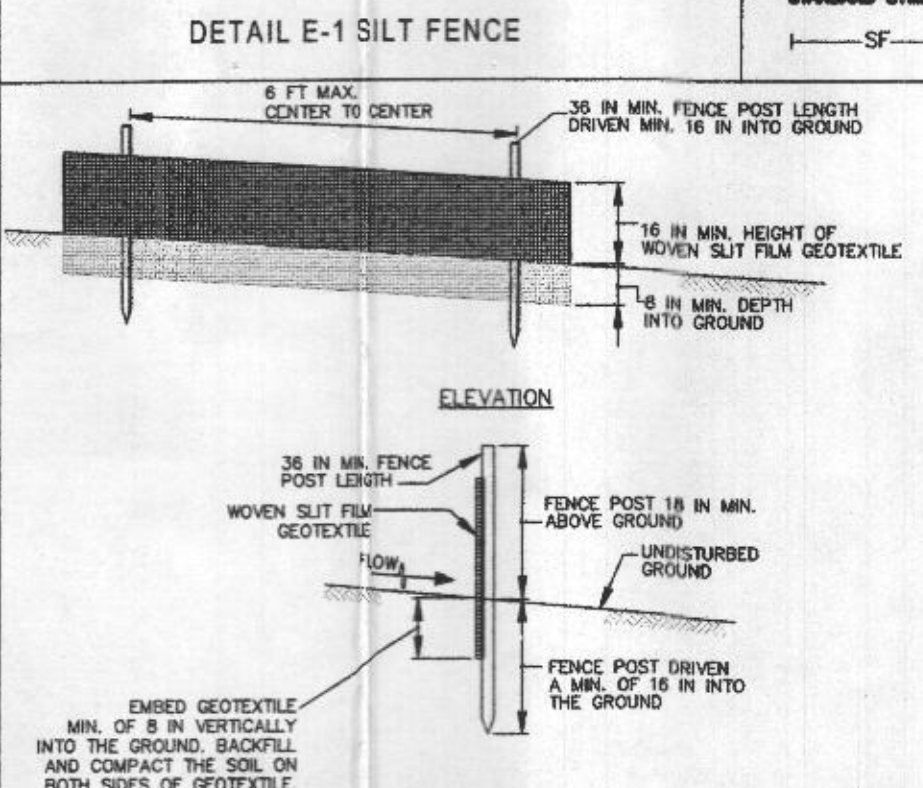
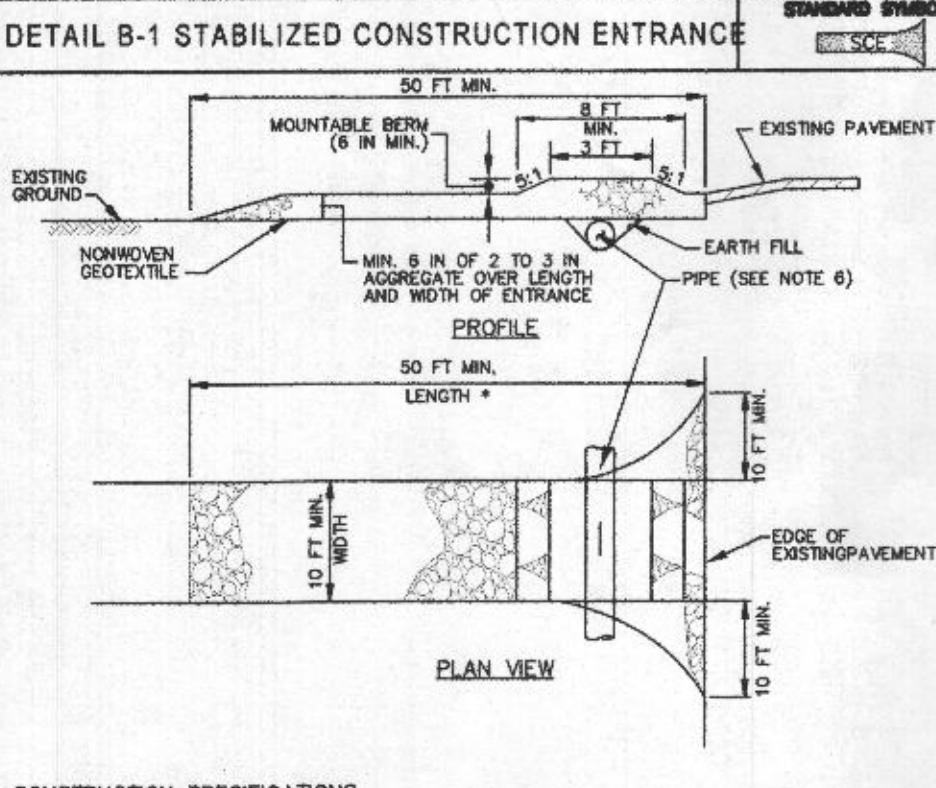
PLOT PLAN AND SEDIMENT CONTROL PLAN
HYMAN PROPERTY
CBI HOMES, LLC
L. 18871 F. 145
LOT 2
3685 FOLLY QUARTER ROAD
TAX MAP: 23 GRID NO: 9 PARCEL NO: 110
ELECTION DISTRICT: NO. 3 HOWARD COUNTY, MARYLAND
EX. ZONING: RC-DEO
SCALE: 1" = 30'
DATE: DECEMBER 2019
SHEET 2 OF 2

OWNER / DEVELOPER: CBI HOMES, LLC 111775 STRATFIELD CT. MARIOTTTSVILLE, 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. 18411, Expiration Date: 9-18-21.
[Signature] 12/10/19
PROFESSIONAL ENGINEER

No.	Species	Application Rate (lb/ac)	Seeding Dates		Seeding Depths	Fertilizer Rate (lb/20-20)			Lime Rate
			Start	End		N	P205	K20	
1	ANNUAL HYDRIC GRASS	40	MAR. 1 - MAY 15	MAY 15 - OCT. 15	0.5 INCHES	436 lb/ac	2 tons/ac		
2	FOLIAR MILLET	30	JUN. 1 - JULY 31		0.5 INCHES	10 lb/1000 sf	90 lb/1000 sf		

No.	Species	Application Rate (lb/ac)	Seeding Dates		Seeding Depths	N	Fertilizer Rate (10-20-20)			Lime Rate
			Start	End			P205	K20	Application Rate	
1	Kentucky Bluegrass	20	MAR. 1 - MAY 15	Aug. 1 - Oct. 15	1/4-1/2 in	45 pounds per acre	90 lb/ac	90 lb/ac (90)	2 tons/ac	90 lb/1000 sf
2	FOLIAR MILLET	30	JUN. 1 - JULY 31		1/4-1/2 in	10 lb/1000 sf	90 lb/1000 sf			90 lb/1000 sf



MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL
U.S. DEPARTMENT OF AGRICULTURE NATURAL RESOURCES CONSERVATION SERVICE 2011
MARYLAND DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES WATER MANAGEMENT ADMINISTRATION 2011

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B-4-8 STANDARDS AND SPECIFICATIONS FOR STOCKPILE AREA
Definition: A mound or pile of soil protected by appropriately designed erosion and sediment control measures.
Purpose: To provide a designated location for the temporary storage of soil that controls the potential for erosion, sedimentation, and changes to drainage patterns.
Conditions Where Practice Applies: To provide a designated location for the temporary storage of soil that controls the potential for erosion, sedimentation, and changes to drainage patterns.
Criteria: 1. The stockpile location and all related sediment control practices must be clearly indicated on the erosion and sediment control plan. 2. The location of the stockpile must be sized to accommodate the anticipated volume of material and based on a side slope ratio no steeper than 2:1. 3. Access to the stockpile area from the upgrade side. 4. Clear water runoff into the stockpile area must be minimized by use of a diversion device such as an earth dike, temporary swale or diversion fence. Provisions must be made for discharging concentrated flow in a non-erosive manner. 5. Where runoff concentrates along the toe of the stockpile fill, an appropriate erosion/sediment control practice must be used to intercept the discharge. 6. Stockpiles must be stabilized in accordance with the 3/7 day stabilization requirement as well as Standard B-4-1 Incremental Stabilization and Standard B-4-4 Temporary Stabilization. 7. If the stockpile is located on an impervious surface, a liner should be provided below the stockpile to facilitate cleanup. Stockpiles containing contaminated material must be covered with impermeable sheeting.
Maintenance: The stockpile area must continuously meet the requirements for Adequate Vegetative Establishment in accordance with Section B-4 Vegetative Stabilization. Side slopes must be maintained at no steeper than a 2:1 ratio. The stockpile area must be kept free of erosion. If the vertical height of a stockpile exceeds 20 feet for 2:1 slopes, 30 feet for 3:1 slopes or 40 feet for 4:1 slopes, benching must be provided in accordance with Section B-3 Land Grading.

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