

Building Permit Application Howard County Maryland Department of Inspections, Licenses and Permits 3430 Court House Drive Permits: 410-313-2455 www.howardcountymd.gov

Date Received:

Permit No.:

Building Address:	4 7,	COLUMN TO SERVICE		Property Owner's Name:			
City:	State:	Zip Code:	100	Address:	Ctntn	Zin Code:	
Suite/Apt. #	SDP	/WP/BA#		Phone:	Fax:	_ZID Code:	
				Email:			
Census Tract:							
Section:	Area	a: Lot:		Applicant's Name & Mailing	Address, (If other th	an stated herein)	
Tax Map:	_ Parcel:_	Grid:	E .	Applicant's Name:	grade 1000		
Zoning: Map Coordinates: Lot Size			ed - Dud 1				
				Phone:			
Existing Use:	/	~		Email:			
Proposed Use:				Contractor Company:	-		
	Sept - I			Contact Person:			
Estimated Construction Cost	: \$			Address:			
Description of Work:	- 7			City:Sta	te:Zip (Code:	
75.3		E		License No. : 1 1 1444			
			1.19.44	Phone:			
26 34 3W				Email:			
Occupant/Tenant Name:							
Was tenant space previously	occupied	P □Yes	□No	Engineer/Architect Company:			
Contact Name:				Responsible Design Prof.:		- Ing 1 1 - 1	
Address:				Address:			
				46320654			
City:				City:Sta			
Phone:		_Fax:		Phone:	Fax:	15-11-11-11-11-11-11-11-11-11-11-11-11-1	
Email:				Email:			
4				-			
Commercial Building Chara	cteristics	Residential Building C	MATERIAL PROPERTY AND ADDRESS OF THE PARTY AND	Utilities			
Height: No. of stories:		SF Dwelling SF To Depth	Winhouse] No		
Gross area, sq. ft./floor:		1 st floor:	width	C.S. 0.000, 1.00	No.		
Gross area, sq. 114 toor.		2 rd floor:		Water Supply			
Area of construction (sq. ft.)	t.	Basement:		□ Public			
		☐ Finished Basement		Private Private			
Use group:		✓☐ Unfinished Basement		Sewage Disposal			
		☐ Crawl Space		☐ Public			
Construction type: ☐ Reinforced Concrete		No. of Bedrooms:		☐ Private			
Structural Steel		Multi-family Di	velling	Heating System	1		
Masonry		No. of efficiency units:	A.A.	☐ Electric ☐ Oil			
☐ Wood Frame		No. of 1 BR units:		☐ Natural Gas ☐ Propan	e Gas		
☐ State Certified Modular		No. of 2 BR units:		☐ Other; .			
		No. of 3 BR units: Other Structure:		Sprinkler System	7:	1.00	
				☑ Yes ☐ No			
> Roadside Tree Project	Dormit	Dimensions: Footings:	7			The state of the s	
	No	Roof:		Grading Permi	t Number:		
Roadside Tree Project Po		State Certified Mode	ilar				
		☐ Manufactured Home		Building Shell Per	mit Number:		
WITH ALL REGULATIONS OF HOWA	RD COUNTY V	WHICH ARE APPLICABLE THERETO	O; (4) THAT HE/SHE V VITER ONTO THIS PRO	MAKE THIS APPLICATION; (2) THAT THE IN VILL PERFORM NO WORK ON THE ABOVE PERTY FOR THE PURPOSE OF INSPECTING T rint Name	REFERENCED PROPERTY	NOT SPECIFICALLY DESCRIBED	
reprintant sugniture							
Email Address			75	ate []			
Ellin Mulless			b	2			
Title/Company							
mac/ company		Checks Payable	to: DIRECTOR OF	FINANCE OF HOWARD COUNTY			
	-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	*PLEASE WRITE NE				
AGENCY	DATE S	IGNATURE OF APPROVAL	The second second second second	CINFORMATION	Filing Fee	\$ 10 10	
State Highways		ADDITION OF THE SECRET SECTION OF THE SECTION OF	Front:	No. of Sales	Permit Fee	\$	
Building Officials			Rear: Side:		Tech Fee Excise Tax	\$	
	_		Side St.:		PSF5	\$	
PSZA (Zoning)			THE RESIDENCE OF THE PARTY OF T	setbacks met?	Guaranty Fund	\$	
PSZA (Engineering)			THE PROPERTY OF THE PARTY OF TH	ermit Required? Yes No	Add'I per Fee	\$	
Health	712512	7 H. OKWALL	Historic Distr	LI Tes LINO	Total Fees	7	

ution of Copies: White: Building Officials

Is Sediment Control approval required for issuance? \square Yes \square No

7/25 17 H. OSWALL

Yellow: PSZA, Engineering

Lot Coverage for New Town Zone:

SDP/Red-line approval date:

Check

Sub- Total Paid

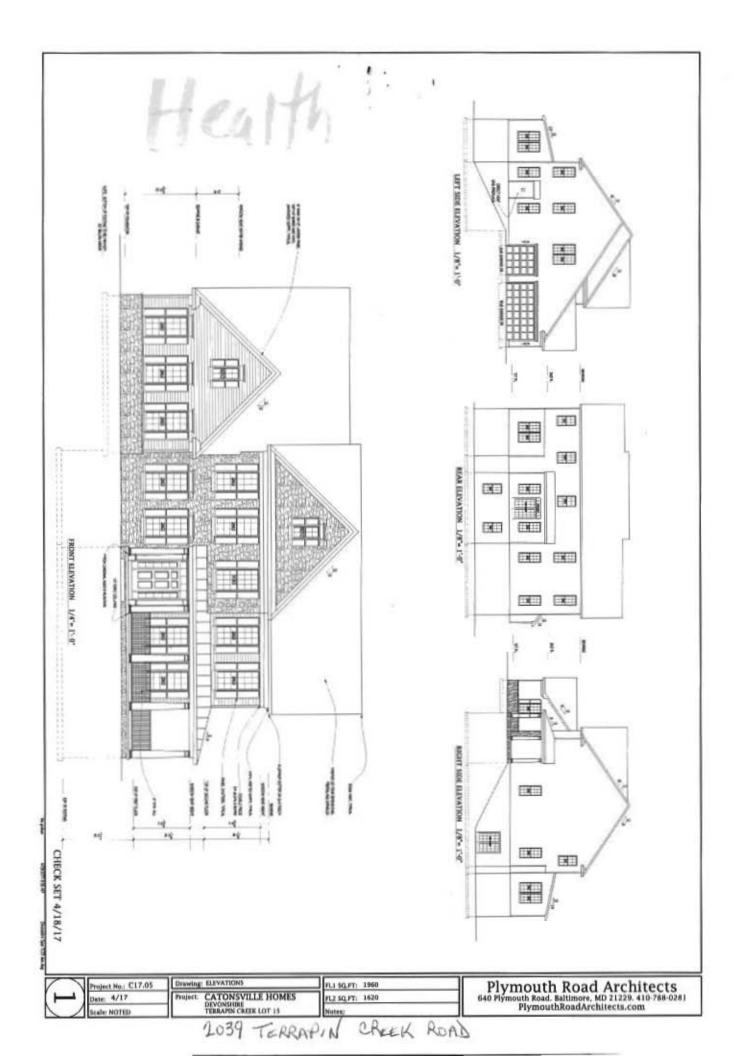
Balance Due

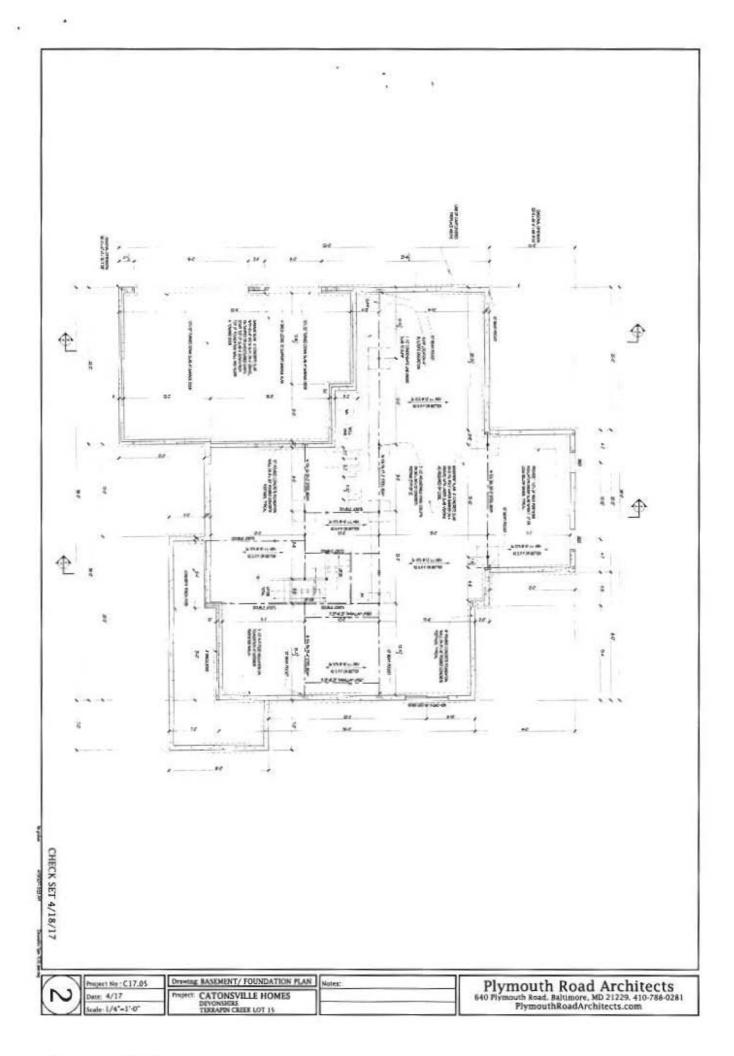
\$

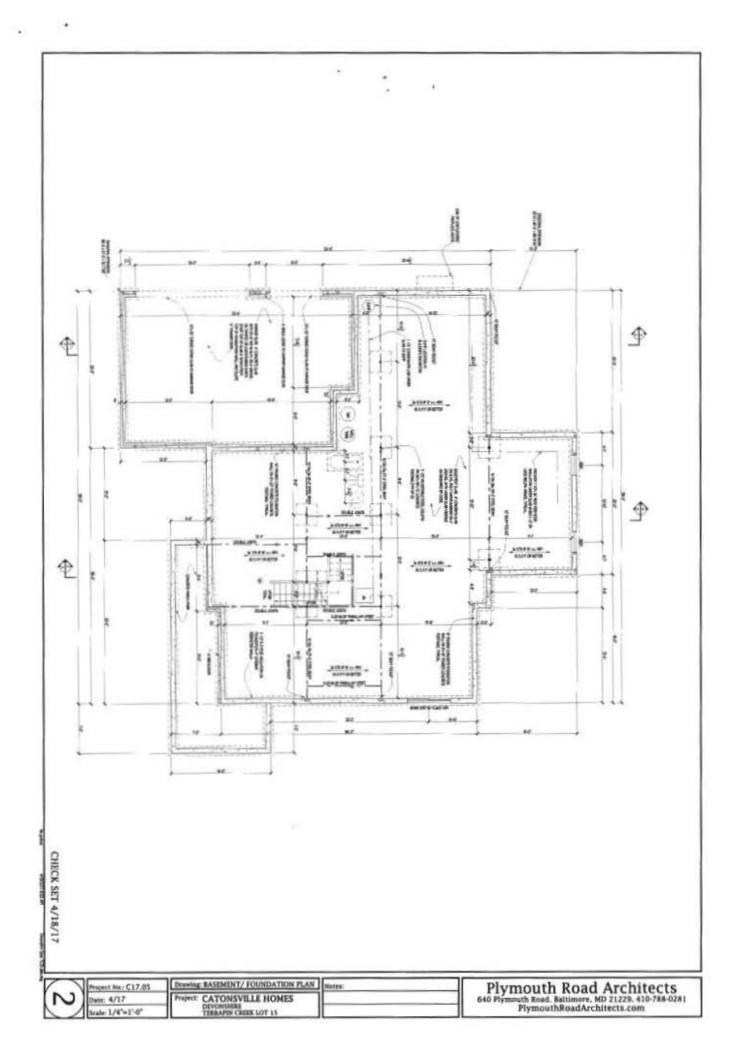
~ 11

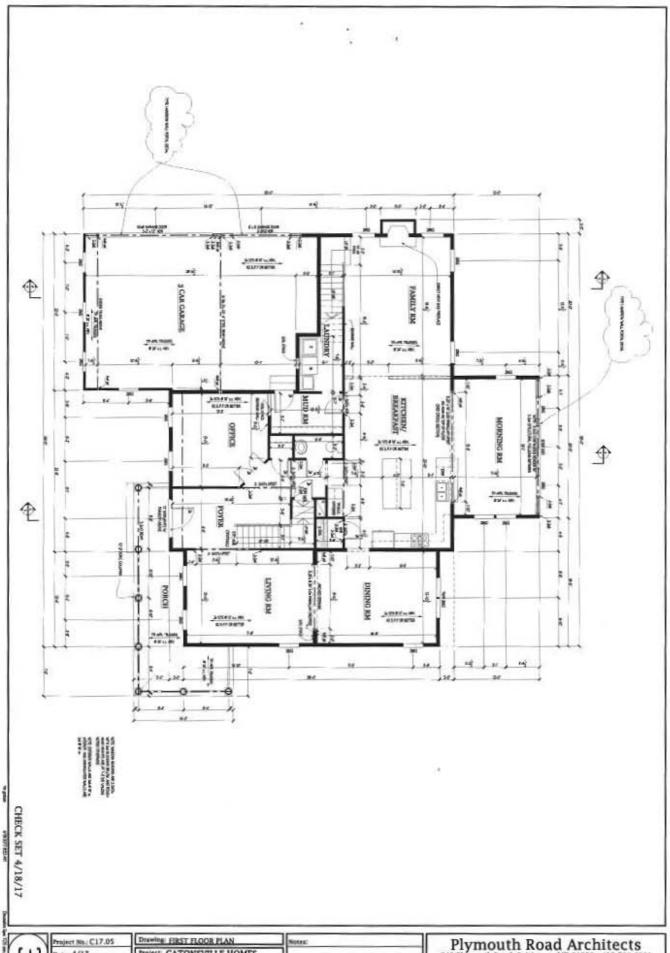
Gold: SHA

☐ CONTINGENCY CONSTRUCTION START









Date: 4/17 Scale: 1/4"=1"-0" Project: CATONSVILLE HOMES
DEVONSHIRE
TERRAPIN CRIEK LOT 15

Plymouth Road Architects
640 Plymouth Road, Baltimore, MD 21229 - 410-788-0281
PlymouthRoadArchitects.com



Date: 4/17 Scale: 1/4"=1"-0" Project: CATONSVILLE HOMES
DEVONSHEE
THREAPIN CREEK LOT 15

Plymouth Road Architects
640 Plymouth Road. Baltimore, MD 21229. 410-788-0281
PlymouthRoadArchitects.com

CATONSYILLE

RECEIVED

FEB 1 3 2018

Health

February 13, 2018

LICENSES & PERMITS DIVISION

Ms. Cathy Anest

Chief

Howard County Department of Inspections, Licenses and Permits 3430 Court House Drive Ellicott City, Maryland 21043

CK#24949

INV#522273

Re:

2039 Terrapin Creek Road, Sykesville, Maryland 21784

B17002434

Dear Ms. Anest,

We would like to amend the above-captioned permit to include a finished recreation room and a full bathroom (with shower) in the basement. The additional area will include an approximate 1,400 sq. ft. Recreation Room.

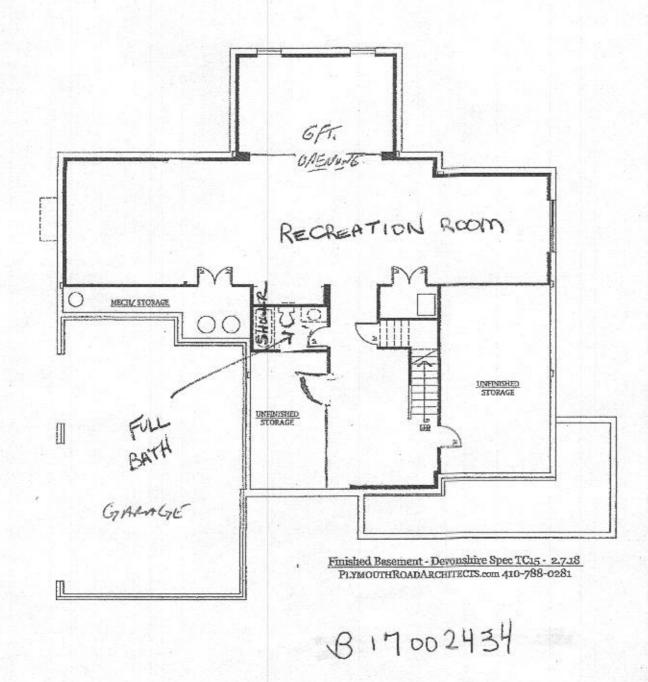
If you have any questions, please feel free to contact me at 410-442-2211, extension 202.

Sincerely,

Pamela A. Walter

lied to a

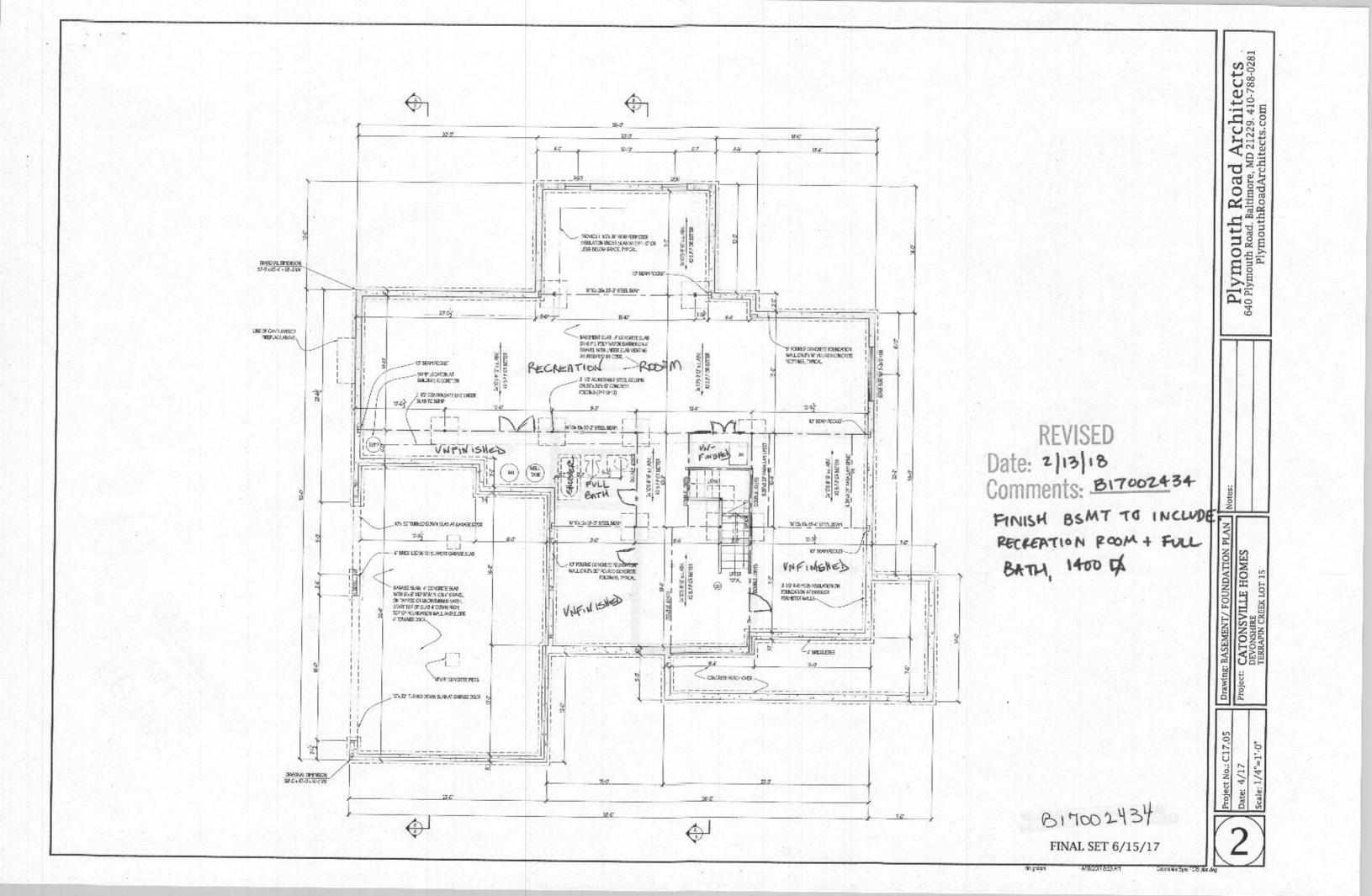
Controller



REVISED

Date: 2/13/18 Comments: 617002434

FINISH BOMT TO INCLUDE:
RECREATION ROOM + FULL BATH,
1400 1



To provide a suitable soil medium for vegetative growth.

Where vegetative stabilization is to be established

Conditions Where Practice Applies:

The process of preparing the soils to sustain adequate vegetative stabilization.

A. Soil Preparation s. Seedbed preparation consists of loasening soil to a depth of 3 to 5 inches by means of suitable agricultural or construction equipment, such as disc harrows or chisel plays or rippers mounted

on construction equipment. After the soil is loosened, it must not be rolled or dragged smooth but left in the roughened condition. Slopes 3:1 or flatter are to be tracked with ridges running parallel to the contour of the slope. b. Apply fertilizer and lime as prescribed on the plans. Incorporate lime and fertilizer into the top 3 to 5 inches of soil by disking or other suitable means.

conditions required for permanent vegetative establishment are . Soil pH between 6.0 and 7.0. Soluble salts less than 500 parts per million (ppm). ii. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 percent silt plus clay) to provide the capacity to hold a moderate amount of moisture. An

exception: if lovegrass will be planted, then a sandy soil (less than 30 percent silt plus clay)

a. A soil test is required for any earth disturbance of 5 acres or more. The minimum soil

would be acceptable. v. Soil contains 1.5 percent minimum organic matter by weight. Soil contains sufficient pore space to permit adequate root penetration. . Application of amendments or topsoil is required if on-site soils do not meet the above conditions. c. Graded areas must be maintained in a true and even grade as specified on the approved plan, then scarified or otherwise loosened to a depth of 3 to 5 inches. B.13 d. Apply soil amendments as specified on the approved plan or as indicated by the results of a soil tes e. Mix soil amendments into the top 3 to 5 inches of soil by disking or other suitable means. Rake lawn areas to smooth the surface, remove large objects like stones and branches, and ready the

area for seed application. Loosen surface soil by dragging with a heavy chain or other equipment to roughen the surface where site conditions will not permit normal seedbed preparation. Track slopes 3:1 or figtter with tracked equipment leaving the soil in an irregular condition with ridges running parallel to the contour of the slope. Leave the top 1 to 3 inches of soil loose and friable. Seedbed loosening may be unnecessary on newly disturbed areas. Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation. The purpose

is to provide a suitable soil medium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation.

2. Topsoil salvaged from an existing site may be used provided it meets the standards as set forth in these specifications. Typically, the depth of topsoil to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-NRCS. Topsoiling is limited to areas having 2:1 or flatter slopes where: . The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.

b. The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients. . The original soil to be vegetated contains material toxic to plant growth. d. The soil is so acidic that treatment with limestone is not feasible.
 4. Areas having slopes steeper than 2:1 require special consideration and design.
 5. Topsoil Specifications: Soil to be used as topsoil must meet the following criteria: Topsoil must be a loam, sandy loam, clay loam, silt loam, sandy clay loam, or loamy send. Other soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Topscil must not be a mixture of contrasting textured subsoils and must contain less than 5 percent by volume of cinders, stones, slag, coarse fragments,

gravel, sticks, roots, trash, or other materials larger than 11/2 inches in diameter. . Topsoil must be free of noxious plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nut sedge, poison ivy, thistle, or others as specified. c. Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in lieu of natural topsoil.

. Erosion and sediment control practices must be maintained when applying topsoil. a. Uniformly distribute topsoil in a 5 to 8 inch layer and lightly compact to a minimum thickness of 4 inches. Spreading is to be performed in such a manner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from topsoiling or other operations must be corrected in order to prevent the formation of depressions or water pockets. . Topsoil must not be placed if the topsoil or subsoil is in a frazen or muddy condition, when the

subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading B.14 and seedbed preparation. . Soil Amendments (Fertilizer and Lime Specifications) Soil tests must be performed to determine the exact ratios and application rates for both time and

fertilizer on sites having disturbed areas of 5 acres or more. Soil analysis may be performed by a recognized private or commercial laboratory. Soil samples taken for engineering purposes may also be used for chemical analyses. 2. Fertilizers must be uniform in composition, free flowing and suitable for accurate application by appropriate equipment. Manure may be substituted for fertilizer with prior approval from the appropriate approval authority. Fertilizers must all be delivered to the site fully labeled according to the applicable laws and must bear the name, trade name or trademark and warranty of the producer. 3. Lime materials must be ground limestone (hydrated or burnt lime may be substituted except when hydroseeding) which contains at least 50 percent total oxides (calcium oxide plus magnesium oxide). Limestone must be ground to such fineness that at least 50 percent will pass through a #100

4. Lime and fertilizer are to be evenly distributed and incorporated into the top 3 to 5 inches of soil by disking or other suitable means.

5. Where the subsoil is either highly acidic or composed of heavy clays, spread ground limestone at the rate of 4 to 8 tons/ocre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil.

mesh sieve and 98 to 100 percent will pass through a #20 mesh sieve.

8-4-3 STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING

The application of seed and mulch to establish vegetative cover

To protect disturbed soils from erosion during and at the end of construction. Conditions Where Practice Applies:

All seed must meet the requirements of the Maryland State Seed Law. All seed must be subject to re-testing by a recognized seed laboratory. All seed used must have been tested within the 6 months immediately preceding the date of sowing such motorial on any project. Refer to Table

To the surface of all perimeter controls, slopes, and any disturbed area not under active grading.

4 regarding the quality of seed. Seed tags must be available upon request to the inspector to b. Mulch alone may be applied between the fall and spring seeding dates only if the ground is frazen. The appropriate seeding mixture must be applied when the ground thaws. inoculants: The inoculant for treating legume seed in the seed mixtures must be a pure culture of nitrogen fixing bacteria prepared specifically for the species, inoculants must not be used later than the date indicated on the container. Add fresh inoculants as directed on the package. Use four times the recommended rate when hydroseeding, hote: It is very important to keep

inoculant as cool as possible until used. Temperatures above 75 to 80 degrees Fahrenheit can weaken bacteria and make the inoculant less effective. d. Sod or seed must not be placed on soil which has been treated with soil sterilants or chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phyto-toxic materials.

. Dry Seeding: This includes use of conventional drop or broadcast spreaders. Incorporate seed into the subsoil at the rates prescribed on Temporary Seeding Table B.1, ermanent Seeding Table B.3, or site-specific seeding summaries. ii. Apply seed in two directions, perpendicular to each other. Apply half the seeding rate in each direction. Roll the seeded area with a weighted roller to provide good seed to soil contact. B.16 Drill or Cultipacker Seeding: Mechanized seeders that apply and cover seed with soil. Cultipacking seeders are required to bury the seed in such a fashion as to provide at least 1/4 inch of soil covering. Seedbed must be firm after planting.
ii. Apply seed in two directions, perpendicular to each other. Apply half the seeding rate in each direction.

. Hydroseeding: Apply seed uniformly with hydroseeder (slury includes seed and fertilizer). . If fertilizer is being applied at the time of seeding, the application rates should not exceed the following: nitrogen, 100 pounds per acre total of saluble nitrogen; P2 05 (phosphorous), 200 pounds per gare; K2 0 (potassium), 200 pounds per acre. ii. Lime: Use only ground agricultural limestone (up to 3 tors per acre may be applied by hydroseeding). Normally, not more than 2 tons are applied by hydroseeding at any one

me. Do not use burnt or hydrated lime when hydroseeding. Mix seed and fertilizer on site and seed immediately and without interruption. . When hydroseeding do not incorporate seed into the soil. . Mulch Materials (in order of preference) a. Straw consisting of thoroughly threshed wheat, rye, cat, or barley and reasonably bright in

color. Straw is to be free of naxious weed seeds as specified in the Maryland Seed Law and not musty, moldy, caked, decayed, or excessively dusty. Note: Use only sterile straw mulch in areas where one species of grass is desired. b. Wood Cellulose Fiber Mulch (WCFM) consisting of specially prepared wood cellulose processed into a uniform fibrous physical state.

i. WCFM is to be dyed green or contain a green dye in the package that will provide an appropriate color to facilitate visual inspection of the uniformly spread slurry.

ii. WCFM, including dye, must contain no permination or growth inhibiting factors. . WCFM materials are to be manufactured and processed in such a manner that the wood cellulose fiber mulch will remain in uniform suspension in water under agitation and will blend with seed, fertilizer and other additives to form a homogeneous sturry. The mulch material must form a blotter-like ground cover, on application, having moisture absorption and percolation properties and must cover and hold grass seed in contact with the soil without inhibiting the growth of the gross seedlings. iv. WCFM material must not contain elements or compounds at concentration levels that will

v. WCFM must conform to the following physical requirements: fiber length of approximately 10 millimeters, diameter approximately 1 millimeter, pH range of 4.0 to 8.5, ash content of 1.6 percent maximum and water holding capacity of 90 percent minimum. 3.17 1. Apply mulch to all seeded areas immediately after seeding.

. When straw mulch is used, spread it over all seeded areas at the rate of 2 tons per acre to a uniform loose depth of 1 to 2 inches. Apply mulch to achieve a uniform distribution and depth so that the soil surface is not exposed. When using a mulch anchoring tool, increase the application rate to 2.5 tons per acre. c. Wood cellulose fiber used as mulch must be applied at a net dry weight of 1500 pounds per acre. Mix the wood cellulose Fiber with water to attain a mixture with a maximum of 50 payings wood cellulose fiber per 100 gallons of water.

a. Perform mulch anchoring immediately following application of mulch to minimize loss by wind or water. This may be done by one of the following methods (listed by preference), depending upon the size of the area and erosion hazard: A mulch anchoring tool is a tractor drawn implement designed to punch and anchor mulch into the soil surface a minimum of 2 inches. This practice is most effective on large areas, but is limited to flatter slopes where equipment can operate safely. If used on sloping land, nis practice should follow the contour. Wood cellulose fiber may be used for anchoring straw. Apply the fiber binder at a net dry weight of 750 pounds per acre. Mix the wood cellulose fiber with water at a maximum of

Synthetic binders such as Acrylic DLR (Agro-Tock), DCA-70, Petroset, Terra Tax II, Terra ack AR or other approved equal may be used. Follow application rates as specified by the manufacturer. Application of liquid binders needs to be heavier at the edges where wind catches mulch, such as in valleys and on crests of banks. Use of asphalt binders is strictly prohibited plastic netting may be stapled over the mulch according to manufactures ally available in rolls 4 to 15 feet wide and 300 to 3,000 feet long.

0 pounds of wood cellulose fiber per 100 gallons of water.

HOWARD SOIL CONSERVATION DISTRICT STANDARD SEDIMENT CONTROL NOTES

) A pre-construction meeting must occur with the Howard County Department of Public Works, Construction Inspection Division (CID), 410-313-1855 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

a. Prior to the start of earth disturbance, b. Upon completion of the installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading,

.. Prior to the start of another phase of construction or opening of another grading unit, d. Prior to the removal or modification of sediment control practices. Other building or grading inspection approvals may not be authorized until this initial approval by inspection agency is made. Other related state and federal permits shall be referenced, to ensure coordination and to avoid conflicts with this plan.

2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 2011 "MARYLAND STANDARDS AND SPECIFICATIONS FOR THE SOIL EROSION AND SEDIMENT CONTROL", and revisions thereto.

 Following initial soil disturbance or re-disturbance, permanent or temporary stabilization is required within three (3) calendar days as to the surface of all perimeter controls, dikes, swales, ditches, perimeter slopes, and all slopes steeper than 3 harizontal to 1 vertical (3:1); and seven (7) calendar days as to all other disturbed areas on the project site except for those areas under active grading.

4) All disturbed areas must be stabilized within the time period specified above in accordance with the 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR TOPSOIL (Sec. B-4-2, permanent seeding (Sec. B-4-5), temporary seeding (Sec. B-4-4) and mulching (Sec. B-4-3). Temporary stabilization (Sec. B-4-8) in excess of 20 ft. must be benched with stable outlet. All concentrated flow, steep slope, and highly erodible areas shall receive soil stabilization matting (Sec. B-4-6).

) All sediment control structures are to remain in place and are to be maintained in operative

condition until permission for their removal has been obtained from the CID. Site Analysis: Total Area of Site Area Disturbed 1 Acres. Area to be roafed or paved 16 Acres. Area to be vegetatively stabilized 0.35 Acres.

Total Cut

N/A_ Offsite waste/borrow area location 7) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance. B) Additional sediment control must be provided, if deemed necessary by the CID. The site and

all controls shall be inspected by the contractor weekly; and the next day after each rain event. A written report by the contractor, made available upon request, is part of every inspection and should include: * Inspection date * Inspection type (routine, pre-storm event, during rain event)

* Name and title of inspector

* Weather information (current conditions as well as time and amount of last recorded

* Brief description of project's status (e.g. percent complete) and/or current activities * Evidence of sediment discharges * Identification of plan deficiencies * Identification of sediment controls that require maintenance

* identification of missing or improperly installed sediment controls * Compliance status regarding the sequence of construction and stabilization requirements

* Monitoring/sampling * Maintenance and/or corrective action performed * Other inspection items as required by the General Permit for Stormwater Associated with

Construction Activities (NPDES, MDE). 1) Trenches for the construction of utilities is limited to three pipe lengths or that which can and shall be back-filled and stabilized by the end of each workday, whichever is shorter. 10) Any major changes or revisions to the plan or sequence of construction must be reviewed and approved by the HSCD prior to proceeding with construction. Minor revisions may allowed by

the CID per the list of HSCD-approved field changes. 11) Disturbance shall not occur outside the L.O.D. A project is to be sequenced so that grading activities begin on one grading unit (maximum acreage of 20 cc. per grading unit at a time. Work may proceed to a subsequent grading unit when at least 50 percent of the disturbed area in the preceding grading unit has been stabilized and approved by the HSCD. Unless otherwise specified and approved by the HSCD, no more than 30 acres cumulatively may be disturbed at a given time.

12) Wash water from any equipment, vehicles, wheels, povernent, and other sources must be treated in a sediment basin or other approved washout structure.

13) Top soil shall be stockpiled and preserved on-site for redistribution onto final grade. 4) All Silt Fence and Super Silt Fence shall be placed on-the-contour, and be imbrigated at 25' minimum interval, with lower ends curled uphill by 2' in elevation.

15) Stream channels must not be disturbed during the following restricted time periods (inclusive): * Use I and IP March 1 - June 15 * Use III and IIIP October 1 - April 30 * Use N Morch 1 - May 31

16) A copy of this plan, the 2011 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL, and associated permits shall be on-site and available when the site

	TABLE	SPECIFICATIONS	RY STABILIZATION	TEMPORAF			
Lime Rate	Fertilizer Rate	Hardiness Zone (from Figure B.3); 6b Seed Mixture (from Table B.1):					
Little Note	(10-20-20)	Seeding Depths	Seeding Dates	Application Rate (lb/ac)	Species	No.	
2 tons/ac	436 lb/ac	0.5 INCHES	MAR. 1 - MAY 15 AUG. 1 - OCT. 15	40	ANNUAL RYEGRASS		
(90 lb/1000 sf)	(10 lb/1000 sf)	0.5 INCHES	JUNE 1 - JULY 31	30	FOXTAIL MILLET		

			PERMANENT STAI	BILIZATION SPECI	FICATIONS T	ABLE		
Hardiness Zone (from Figure 8.3): 6b Seed Mixture (from Table 8.3): 11			6b 11	Fertilizer Rate (10-20-20)			Lime Rate	
No.	Species	Application Rate (lb/ac)	Seeding Dates	Seeding Depths	N	P205	K20	Line note
XIII	kentucky bluegrass	20	Mor. 1-May 15 Aug. 1-Oct.15	1/4-1/2 in	45 pounds per acre (1.0 lb/	90 lb/ac (2lb/1000 sf)	90 lb/ac (90 lb/1000 sf)	2 tons/ac (90 lb/ 1000 sf)
				1/4-1/2 in				
			1/4-1/2 in	(1.0 lb/ 1000 sf)			1000 117	

DUST CONTROL DUST CONTROL METHOD FOR THIS SITE TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES; CALCIUM CHLORIDE 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 COMPLETED.

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.

DETAIL B-1 STABILIZED CONSTRUCTION SCE W ENTRANCE EXISTING PAVEMENT A STANKE -EARTH FIL FIPE (SEE NOTE 6 PROFILE 50 FT MIN. PLAN VIEW

CONSTRUCTION SPECIFICATIONS

PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN, VEHICLES MUST TRAVEL OVER THE ENTIRE LENGTH OF THE SCE. USE MINIMUM LENGTH OF 50 FEET (*30 FEET FOR SINGLE RESIDENCE LOT), USE MINIMUM WIDTH OF 10 FEET. FLARE SCE 10 FEET MINIMUM AT THE EXISTING ROAD TO PROVIDE A TURNING RADIUS.

PIPE ALL SURFACE WATER FLOWING TO OR DIVERTED TOWARD THE SCE UNDER THE ENTRANCE, MAINTAINING POSITIVE DRAINAGE, PROTECT PIPE INSTALLED THROUGH THE SCE WITH A MOUNTABLE BERM WITH 5:1 SLOPES AND A MINIMUM OF 12 INCHES OF STONE OVER THE PIPE, PROVIDE PIPE AS SPECIFIED ON APPROVED PLAN, WHEN THE SCE IS LOCATED AT A HIGH SPOT AND HAS NO DRAINAGE TO CONVEY, A PIPE IS NOT NECESSARY, A MOUNTABLE BERM IS REQUIRED WHEN SCE IS NOT LOCATED AT A HIGH SPOT. PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS.

PLACE CRUSHED ACCREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT MAINTAIN ENTRANCE IN A CONDITION THAT MINIMIZES TRACKING OF SEDIMENT. ADD STONE OR MAKE OTHER REPAIRS AS CONDITIONS DEMAND TO MAINTAIN CLEAN SURFACE, MOUNTABLE BERM, AND SPECIFIED DIMENSIONS. IMMEDIATELY REMOVE STONE AND/OR SEDIMENT SPILLED, DROPPED, OR TRACKED ONTO ADJACENT ROADWAY BY VACULMING, SCRAPING, AND/OR SWEEPING. WASHING ROADWAY TO REMOVE MUD TRACKED ONTO PAVEMENT IS NOT ACCEPTABLE UNLESS WASH WATER IS DIRECTED TO AN APPROVED SEDIMENT CONTROL PRACTICE.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION 2011

B-4-8 STANDARDS AND SPECIFICATIONS STOCKPILE AREA

A mound or pile of soil protected by appropriately designed erosion and sediment

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
Stockpile creas are utilized when it is necessary to solvage and store soil for later

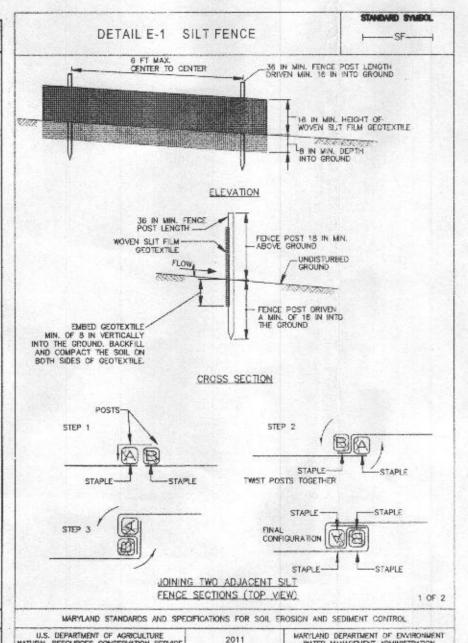
1. The stockpile location and all related sediment control practices must be clearly ndicated on the erosion and sediment control plan 2. The footprint of the stockpile must be sized to accommodate the anticipated volume of material and based on a side slape ratio no steeper than 2:1

ching must be provided in accordance with Section B-3 Land Grading. . Runoff from the stockpile area must drain to a suitable sediment control practice. 4. Access the stockpile area from the upgrade side. 5. 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

6. Where runoff concentrates along the toe of the stockpile fill, on appropriate erosion/sediment control practice must be used to intercept the discharge. Stockpiles must be stabilized in accordance with the 3/7 day stabilization equirement as well as Standard B-4-1 incremental Stabilization and Standard

8. 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.

The stackpile 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 2:1slopes, 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



B-4-5 STANDARDS AND SPECIFICATIONS PERMANENT STABILIZATION

To stabilize disturbed soils with permanent vegetation. To use long-lived perennial grasses and legumes to establish permanent ground cover on disturbed soils. Conditions Where Practice Applies Exposed sails where ground cover is needed for 6 months or more.

A. Seed Mixtures General Use

Select one or more of the species or mixtures listed in Table B.3 for the appropriate Plant Hardiness Zone (from Figure B.3) and based on the site condition or purpose found on Table B.2. Enter selected mixture(s), application rates, and seeding dates in the Permanent Seeding Summary. The Summary is to be placed on the plan.

 Additional planting specifications for exceptional sites such as shorelines, stream banks, or dunes or for special purposes such as wildlife or aesthetic treatment may be found in USDA-NRCS Technical Field Office Guide, Section 342 - Critical Area Planting. c. For sites having disturbed area over 5 acres, use and show the rates recommended by the soil

testing agency. d. For areas receiving low maintenance, apply urea form fertilizer (46-0-0) at 3 ½ pounds per 1000 square feet (150 pounds per acre) at the time of seeding in addition to the soil amendments shown in the Permanent Seeding Summary . Turfgrass Mixtures

a. Areas where turfgrass may be desired include lawns, parks, playgrounds, and commercial sites

which will receive a medium to high level of maintenance. Select one or more of the species or mixtures listed below based on the site conditions or purpose. Enter selected mixture(s), application rates, and seeding dates in the Permanent Seeding Summary. The summary is to be placed on the plan. Kentucky Bluegrass: Full Sun Mixture: For use in areas that receive intensive management. Irrigation required in the areas of central Maryland and Eastern Shore.

Recommended Certified Kentucky Bluegrass Cultivars Seeding Rate: 1.5 to 2.0 pounds per 1000 square feet. Choose a minimum of three Kentucky bluegrass cultivars with each ranging from 10 to 35 percent of the total mixture by weight. ii. Kentucky Bluegrass/Perennial Rye: Full Sun Mixture: For use in full sun areas whererapid establishment is necessary and when turf will receive medium to intensive

management. Certified Perennial Ryegrass Cultivars/Certified Kentucky Bluegrass Seeding

Rate: 2 pounds mixture per 1000 square feet. Choose a minimum of three Kentucky bluegrass cultivars with each ranging from 10 to 35 percent of the total mixture by weight. iii. Tall Fescue/Kentucky Bluegrass: Full Sun Mixture: For use in drought prone areas and/or for areas receiving low to medium management in full sun to medium shade. Recommended mixture includes; Certified Tall Fescue Cultivars 95 to 100 percent, Certified Kentucky Bluegrass Cultivars 0 to 5 percent. Seeding Rate: 5 to 8 pounds per 1000 square feet. One or more cultivars may be blended.

Kentucky Bluegrass/Fine Fescue: Shade Mixture: For use in areas with shade in Bluegrass For establishment in high quality, intensively managed turf area. Mixture includes: Certified Kentucky Bluegrass Cultivars 30 to 40 percent and Certified Fine Fescue and 60 to 70 percent. Seeding Rate: 1½ to 3 pounds per 1000 square feet.

Select turfgrass varieties from those listed in the most current University of Maryland Publication, Agronomy Memo #77, "Turfgrass Cultivar Recommendations for Maryland" Choose certified material. Certified material is the best guarantee of cultivar purity. The certification program of the Maryland Department of Agriculture, Turf and Seed Section, provides a reliable means of consumer protection and assures a pure genetic line. Ideal Times of Seeding for Turf Grass Mixtures Western MD: March 15 to June 1, August 1 to October 1 (Hardiness Zones: 5b, 6a) Central MD: March 1 to May 15, August 15 to October 15 (Hardiness Zone: 6b)

Southern MD, Eastern Shore: March 1 to May 15, August 15 to October 15 (Hardiness Zones: 7a, 7b) Till areas to receive seed by disking or other approved methods to a depth of 2 to 4 inches, level and rake the areas to prepare a proper seedbed. Remove stones and debris over 1½ inches in diameter. The resulting seedbed must be in such condition that future mowing of grasses will pose no difficulty.

If soil moisture is deficient, supply new seedings with adequate water for plant growth (½ to 1 inch every 3 to 4 days depending on soil texture) until they are firmly established. This is especially true when seedings are made late in the planting season, in abnormally dry or hot seasons, or on adverse sites. Sod: To provide quick cover on disturbed areas (2:1 grade or flatter).

General Specifications Class of turfgrass sod must be Maryland State Certified. Sod labels must be made available to the job foreman and inspector. Sod must be machine cut at a uniform soil thickness of ¼ inch, plus or minus ¼ inch, at the time

of cutting. Measurement for thickness must exclude top growth and thatch. Broken pads and

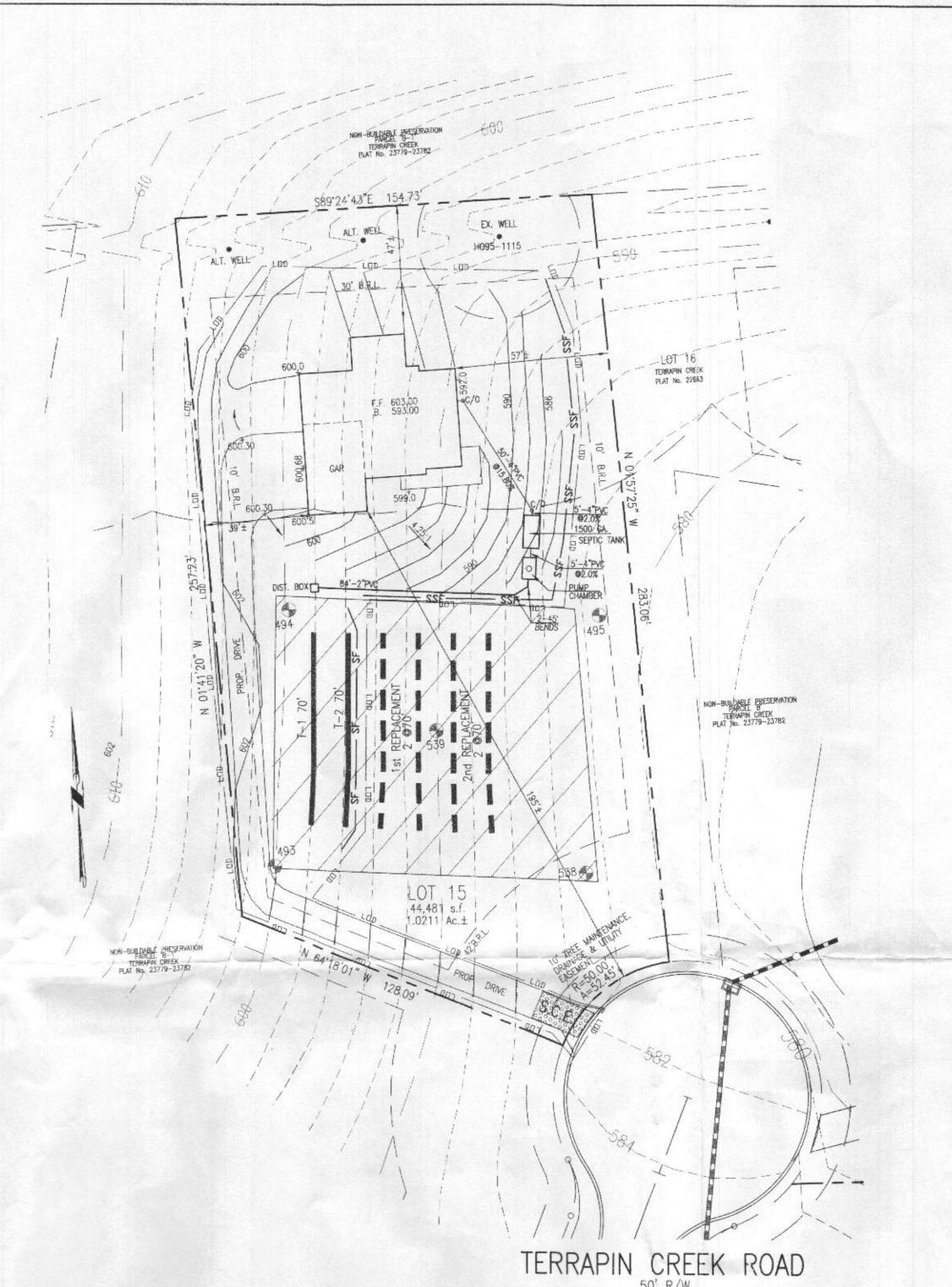
torn or uneven ends will not be acceptable. Standard size sections of sod must be strong enough to support their own weight and retain their size and shape when suspended vertically with a firm grasp on the upper 10 percent of the Sod must not be harvested or transplanted when moisture content (excessively dry or wet) may

adversely affect its survival. Sod must be harvested, delivered, and installed within a period of 36 hours. Sod not transplanted within this period must be approved by an agronomist or soil scientist prior to its Sod Installation

During periods of excessively high temperature or in areas having dry subsoil, lightly irrigate the subsoil immediately prior to laying the sod. Lay the first row of sod in a straight line with subsequent rows placed parallel to it and tightly wedged against each other. Stagger lateral joints to promote more uniform growth and strength. Ensure that sod is not stretched or overlapped and that all joints are butted tight in order to prevent voids which would cause air drying of the roots.

Roll and tamp, peg or otherwise secure the sod to prevent slippage on slopes. Ensure solid contact exists between sod roots and the underlying soil surface. Water the sod immediately following rolling and tamping until the underside of the new sod pad and soil surface below the sod are thoroughly wet. Complete the operations of laying, tamping and irrigating for any piece of sod within eight hours.

Wherever possible, lay sod with the long edges parallel to the contour and with staggering



CATONSVILLE HOMES 1175 STRATFIELD

SCALE: 1"=2000"

LIMIT OF DISTURBANCE (LOD) = 22,500 SQ.FT.

LICENSES FROM APPROPRIATE AGENCIES.

CONSTRUCT HOUSE AND SEPTIC SYSTEM.

FINAL INSPECTION OF COMPLETED PROJECT.

INSTALL DRIVEWAY PAVEMENT.

INSTALL STABILIZED CONSTRUCTION ENTRANCE.

TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY, SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR

THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN.

STORM WATER MANAGEMENT FOR THIS LOT IS PROVIDED BY EXISTING TERRAPIN CREEK

OBTAIN ALL REQUIRED GRADING, MDE PERMITS, APPROVALS AND

(410-313-1850) AT LEAST 24-HOURS PRIOR TO STARTING WORK.

INSTALL REMAINING SEDIMENT AND EROSION CONTROL MEASURES.

STABILIZE ALL DISTURBED AREAS PER PERMANENT STABILIZATION.

NOTIFY HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS FOR

NOTIFY HOWARD COUNTY CONSTRUCTION INSPECTION DIVISION

ASSOCIATES, INC. CONTOUR INTÉRVAL IS 2 FEET. VERTICAL DATUM IS NAVD88.

THERE ARE NO STREAMS, PONDS, FLOODPLAINS OR WETLANDS ON THIS LOT.

STORM WATER MANAGEMENT FACILITIES PROVIDED FOR AND CONSTRUCTED BY THE DEVELOPER UNDER PLAN F-07-086.

GENERAL NOTES:

ZONING DISTRICT: RC-DEO

SEQUENCE OF CONSTRUCTION

TAX ID No. 03-285774

DEVELOPER'S CERTIFICATE:

1/WE CERTIFY THAT CLEARING, GRADING, CONSTRUCTION, OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS APPROVED EROSION AND SEDIMENT CONTROL PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROLS, AND THAT THE RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF TRAINING AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT MDE) APPROVED TRAINING PROGRAM FOR THE CONTROL ON 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.

ours

1/26/2017

DATE

SHEET 1 OF 1

ENGINEER'S CERTIFICATE:

"I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGN 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 DISTRICE

RONALD E. THOMPSON, P.E. THIS PLAN IS APPROVED FOR SOIL EROSION AND CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT

HOWARD SOIL CONSERVATION DISTRICT



PROFESSIONAL CERTIFICATION

and that I am a duly licenced professional engineer under the laws of the

State of Maryland, License No. 18417, Expiration Date: 9-18-17.

DATE REVISIONS

I hereby certify that these documents were prepared or approved by me,

PLOT PLAN AND SEDIMENT CONTROL PLAN

LOT 15 PLAT 22661 - 22664 TAX ID No. 03-285774 2039 TERRAPIN CREEK ROAD THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE: 1" = 30' APRIL, 2017

NANMAR ASSOCIATES, INC. Engineers Surveyors Planners 310 South Main Street Mount Airy, Maryland 21771 (301) 829-2890 (301) 831-5015 (410) 549-2751 /anmar.com @Copyright, Lotest Date Shown