

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.: 817002

uilding Address: 2014	TE	PAPIN CREE	Y DR	Property Owner's Name:	Car.			
		Zip Code:		Address:				
				City: State: Zip Code:				
		P/WP/BA #:		Phone: Email:	Fax:			
ensus Tract:		Subdivision:	10:11	Ciridii.				
ection:	Are	ea:Lot:_2	0_	Applicant's Name & Mailing Address, (If	other than stated herein)			
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and the same of th				Contact Person:				
stimated Construction Cost			-	Address: MT CHAPTERS				
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occupant/Topant Name:				Email: for the control of Action	5.3			
occupant/Tenant Name:		197	- De	200 200 000 000 000 000				
Vas tenant space previously	occupied	d? □Yes	□No	Engineer/Architect Company:				
ontact Name:				Responsible Design Prof.:	E 0000			
Address:				Address: (alas 1) (c.) (alas 1				
		State: Zip Code:		City:State:				
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Commercial Building Chara	tauletles	Paridontial Building Ch	armetarieties	Utilities	Esterology, Supple			
Commercial Building Chara leight:	icteristics	Residential Building Ch		Electric: Yes No	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
No. of stories:		Depth Depth	Width	Gas: Ses Ses	100			
Gross area, sq. ft./floor:		1 st floor:		Water Supply	A Fred Helder Mr.			
*		2 nd floor:		□ Public				
Jse group:		Basement:		Private	190 S 180 S 1			
		☐ Finished Basement		100000000000000000000000000000000000000	PROTECTION OF THE PROPERTY OF THE PARTY OF T			
		Unfinished Basement		Sewage Disposal	ONE OF STREET			
		☐ Crawl Space ☐ Slab on Grade		Public	101年10日 11日 11日 11日			
Construction type: ☐ Reinforced Concrete		No. of Bedrooms:		Private	(P) (B) (B) (B) (B) (B) (B) (B) (B) (B) (B			
☐ Structural Steel		Multi-family Dwelling		Heating System	对籍。并从 1000年			
Masonry		No. of efficiency units:		□ Electric □ Oil	Parent & 1012/01 3			
☐ Wood Frame	The second secon			☐ Natural Gas ☐ Propane Gas	THE PERSON			
☐ State Certified Modular		No. of 2 BR units:		☐ Other;	1943年5月1日 174X - 44			
		No. of 3 BR units:		Sprinkler System:	型(大型)(A)(A)(A)(A)(A)(A)(A)(A)(A)(A)(A)(A)(A)			
		Other Structure: Dimensions:		"⊡ Yes □ No	Mary Mary Property All			
Roadside Tree Project	Permit	Footings:			Waster Total Sec			
	No	Roof:		Grading Permit Number:	动物的现在分词			
Roadside Tree Project Permit #		☐ State Certified Modular			SHAMEST TON -			
		☐ Manufactured Home		Building Shell Permit Number	:			
WITH ALL REGULATIONS OF HOWA	RD COUNTY E GRANTS CO	WHICH ARE APPLICABLE THERETO;	(4) THAT HE/SHE W TER ONTO THIS PROP	MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS BILL PERFORM NO WORK ON THE ABOVE REFERENCED PL ERRY FOR THE PURPOSE OF INSPECTING THE WORK PERF OF NAME THE NAME THE NAME THE PURPOSE OF INSPECTING THE WORK PERF OF NAME THE NAME THE PURPOSE OF INSPECTING THE WORK PERF OF NAME THE NAME OF THE PURPOSE OF INSPECTING THE WORK PERF OF NAME OF THE PURPOSE OF INSPECTING THE WORK PERF OF NAME OF THE PURPOSE OF INSPECTING THE WORK PERF OF NAME OF THE PURPOSE OF INSPECTING THE WORK PERF OF NAME OF THE PURPOSE OF INSPECTING THE WORK PERF OF NAME OF THE PURPOSE OF INSPECTING THE WORK PERF OF NAME OF THE PURPOSE OF INSPECTING THE WORK PERF OF NAME OF THE PURPOSE OF INSPECTING THE WORK PERF OF NAME OF THE PURPOSE OF INSPECTING THE WORK PERF OF NAME OF THE PURPOSE OF INSPECTING THE WORK PERF OF NAME OF THE PURPOSE OF INSPECTING THE WORK PERF OF NAME OF THE PURPOSE OF INSPECTING THE WORK PERF OF NAME OF THE PURPOSE	ROPERTY NOT SPECIFICALLY DESCRIBE			
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Distribution of Copies: White: Building Officials

State Highways

Building Officials

PSZA (Zoning)

PSZA (Engineering)

☐ CONTINGENCY CONSTRUCTION START

7/25/17

Pri- 20.19 2016 days

Is Sediment Control approval required for issuance? ☐ Yes ☐ No

Green: PSZA,Zoning

H.Oswa

Yellow: PSZA,Engineering

Lot Coverage for New Town Zone:

SDP/Red-line approval date:

All minimum setbacks met? Yes No
Is Entrance Permit Required? Yes No
Historic District? Yes No

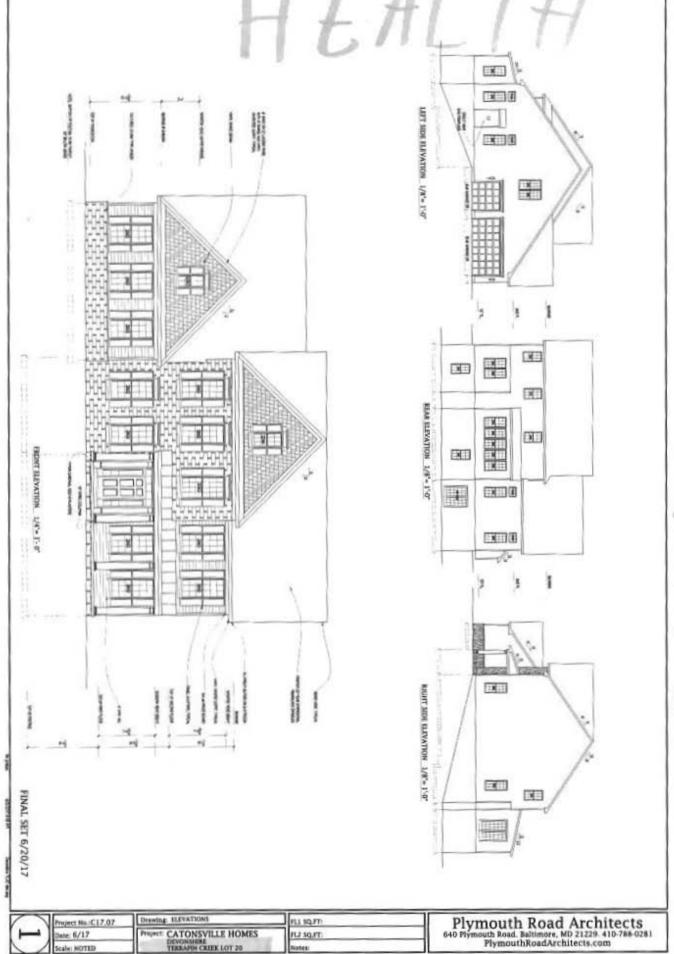
Rear:

Side:

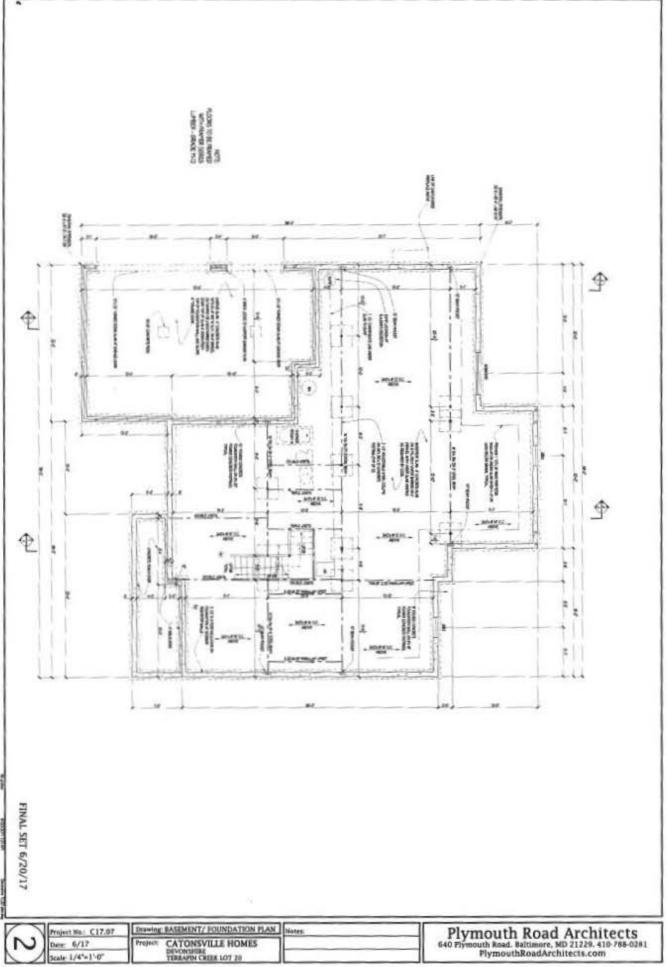
Side St.:

Excise Tax PSFS **Guaranty Fund** Add'I per Fee **Total Fees** Sub-Total Paid 5 **Balance Due** Check

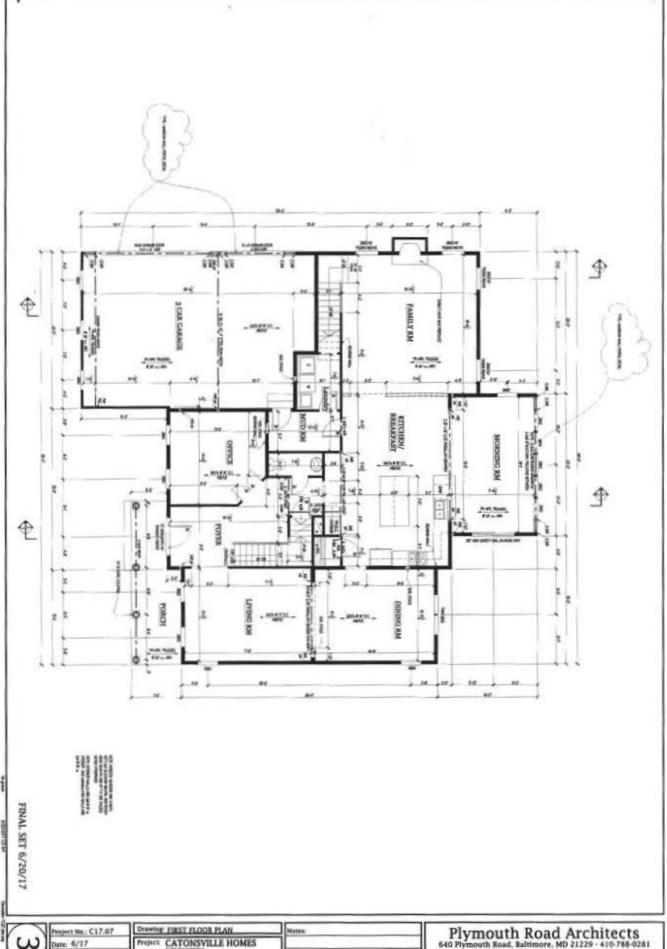
Tech Fee



HEALTH B17002498

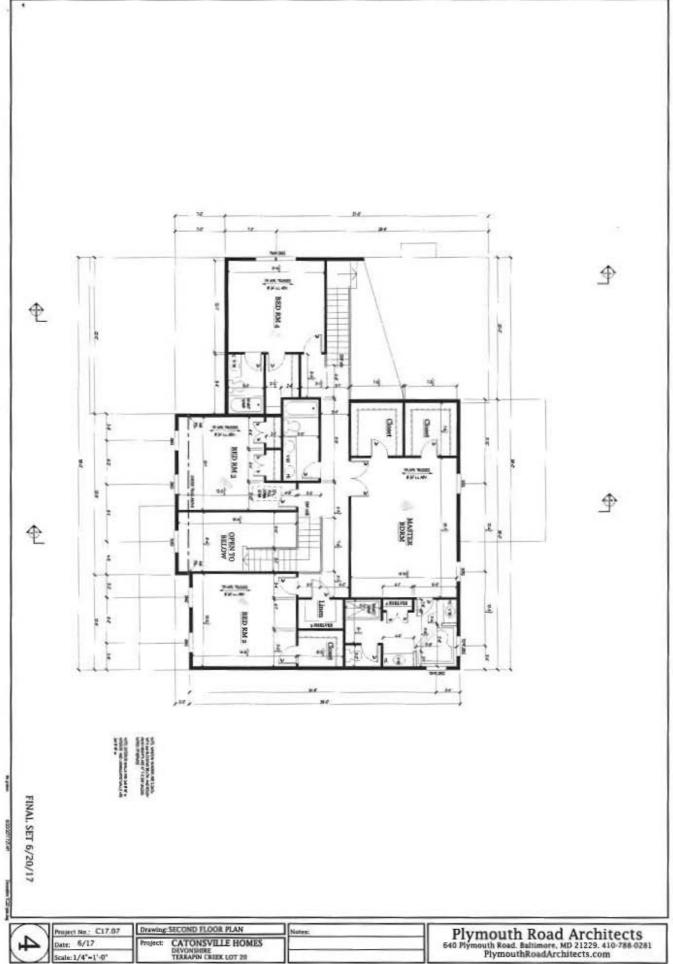


Plymouth Road Architects
640 Plymouth Road. Baltimore, MD 21229, 410-788-0281
PlymouthRoadArchitects.com



Date: 6/17 Scale: 1/4"-1"-0" Project CATONSVILLE HOMES
DEVONSHEE
TERRAPIN CREEK LOT 20

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



Scale: 1/4"=1'-0"

HOWARD SOIL CONSERVATION DISTRICT B-4-3 STANDARDS AND SPECIFICATIONS FOR SEEDING AND MULCHING STANDARD SEDIMENT CONTROL NOTES B-4-2 STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS 1) A pre-construction meeting must occur with the Howard County Department of Public Works, The application of seed and mulch to establish vegetative civer. Construction Inspection Division (CID), 410-313-1855 after the future LOD and protected area The process of preparing the soils to sustain adequate vegetative stabilization. marked clearly in the field. A minimum of 48 hour notice to CID must be given a the Purpose: To protect disturbed soils from erosion during and at the ed of construction. a. Prior to the start of earth disturbance, Purpose: To provide a suitable soil medium for vegetative growth. b. Upon completion of the installation of perimeter erosion and sediment controls, but before Conditions Where Practice Applies: To the surface of all perimeter controls, slopes, and any disurbed area not under active grading. proceeding with any other earth disturbance or grading, Conditions Where Practice Applies: Prior to the start of another phase of construction or opening of another grading unit, Where vegetative stabilization is to be established 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 Criteria:
A. Soil Preparation a. All seed must meet the requirements of the Maryland Stae Seed Law. All seed must be subject by inspection agency is made. Other related state and federal permits shall be referenced, Temporary Stabilization to re-testing by a recognized seed laboratory. All seed used must have been tested within the 6 1. Seedbed preparation consists of loosening soil to a depth of 3 to 5 inches by means of suitable to ensure coordination and to avoid conflicts with this plan. months immediately preceding the date of sowing such material on any project. Refer to Table All vegetative and structural practices are to be installed according to the provisions of this agricultural or construction equipment, such as disc harrows or chisel plows or rippers mounted B.4 regarding the quality of seed. Seed tags must be available upon request to the inspector to plan and are to be in conformance with the 2011 "MARYLAND STANDARDS AND SPECIFICATIONS on construction equipment. After the soil is loosened, it must not be rolled or dragged smooth verify type of seed and seeding rate.
b. Mulch alone may be applied between the fall and spring eeding dates only if the ground is but left in the roughened condition. Slopes 3:1 or flatter are to be tracked with ridges running FOR THE SOIL EROSION AND SEDIMENT CONTROL", and revisions thereto. parallel to the contour of the slope. 100 10000 10000 10000 100 frozen. The appropriate seeding mixture must be applied who the ground thaws. b. Apply fertilizer and lime as prescribed on the plans. c. Inoculants: The inoculant for treating legume seed in the seed mixtures must be a pure culture of nitrogen fixing bacteria prepared specifically for the specis. Inoculants must not be used . Incorporate lime and fertilizer into the top 3 to 5 inches of soil by disking or other suitable means. 3) 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, later than the date indicated on the container. Add fresh inculants as directed on the package. a. A soil test is required for any earth disturbance of 5 acres or more. The minimum soil swales, ditches, perimeter slopes, and all slopes steeper than 3 horizontal to 1 vertical (3:1); H095-1120 Use four times the recommended rate when hydroseeding. Net: It is very important to keep inoculant as cool as possible until used. Temperatures above 75 to 80 degrees Fahrenheit can conditions required for permanent vegetative establishment are: and seven (7) calendar days as to all other disturbed areas on the project site except for Soil pH between 6.0 and 7.0. those areas under active grading. weaken bacteria and make the inoculant less effective. 4) All disturbed areas must be stabilized within the time period specified above in accordance with Soluble salts less than 500 parts per million (ppm). d. Sod or seed must not be placed on soil which has been treated with soil sterilants or ii. Soil contains less than 40 percent clay but enough fine grained material (greater than 30 VICINITY MA the 2011 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL chemicals used for weed control until sufficient time has elosed (14 days min.) to permit percent silt plus clay) to provide the capacity to hold a moderate amount of moisture. An FOR TOPSOIL (Sec. B-4-2, permanent seeding (Sec. B-4-5), temporary seeding (Sec. B-4-4) dissipation of phyto-toxic materials. exception: if lovegrass will be planted, then a sandy soil (less than 30 percent silt plus clay) SCALE: 1"=2000' and mulching (Sec. B-4-3). Temporary stabilization (Sec. B-4-8) in excess of 20 ft. must would be acceptable.
iv. Soil contains 1.5 percent minimum organic matter by weight. Dry Seeding: This includes use of conventional drop or bradcast spreaders. GENERAL NOTES: be benched with stable outlet. All concentrated flow, steep slope, and highly erodible areas Incorporate seed into the subsoil at the rates prescribed in Temporary Seeding Table B.1, v. Soil contains sufficient pore space to permit adequate root penetration.
b. Application of amendments or topsoil is required if on—site soils do not meet the above conditions. shall receive soil stabilization matting (Sec. B-4-6). Permanent Seeding Table B.3, or site-specific seeding summries. . Apply seed in two directions, perpendicular to each other. Apply half the seeding rate in) All sediment control structures are to remain in place and are to be maintained in operative TOPOGRAPHY & PLANIMETRIC 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 NAVD88. each direction. Roll the seeded area with a weighted roller t provide good seed to soil contact. B.16 b. Drill or Cultipacker Seeding: Mechanized seeders that apply and cover seed with soil. Graded greas must be maintained in a true and even grade as specified on the approved plan, condition until permission for their removal has been obtained from the CID. 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 test 6) Site Analysis: Cultipacking seeders are required to bury the seed in sucl a fashion as to provide at least e. Mix soil amendments into the top 3 to 5 inches of soil by disking or other suitable means. Rake Total Area of Site 1/4 inch of soil covering. Seedbed must be firm after planting. THE EXISTING WELLS SHOWN ON THIS PLAN HAVE BEEN FIELD LOCATED BY VANMAR ASSOCIATES OR TAKEN FROM AVAILABLE RECORDS AND ACCURATELY SHOWN. lawn areas to smooth the surface, remove large objects like stones and branches, and ready the Apply seed in two directions, perpendicular to each other. Apply half the seeding rate in each direction. 0.45 Acres. Area Disturbed area for seed application. Loosen surface soil by dragging with a heavy chain or other 1 Acres. Hydroseeding: Apply seed uniformly with hydroseeder (slurr includes seed and fertilizer). Area to be roofed or paved equipment to roughen the surface where site conditions will not permit normal seedbed If fertilizer is being applied at the time of seeding, the aplication rates should not exceed preparation. Track slopes 3:1 or flatter 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 Area to be vegetatively stabilized 0.34 Acres. ZONING DISTRICT: RC-DEO the following: nitrogen, 100 pounds per acre total of soluble nitrogen; P2 05 (phosphorous), F.F. 588.50 soil loose and friable. Seedbed loosening may be unnecessary on newly disturbed areas. 200 pounds per acre; K2 0 (potassium), 200 pounds per ace. LIMIT OF DISTURBANCE (LOD) = 19,500 SQ.FT. ii. Lime: Use only ground agricultural limestone (up to 3 ton per acre may be applied by N/A Offsite waste/borrow area location Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation. The purpose THERE ARE NO STREAMS, PONDS, FLOODPLAINS OR WETLANDS ON THIS LOT. 7) Any sediment control practice which is disturbed by grading activity for placement of utilities hydroseeding). Normally, not more than 2 tons are applied to hydroseeding at any one is to provide a suitable soil medium for vegetative growth. Soils of concern have low moisture ime. Do not use burnt or hydrated lime when hydroseeding. must be repaired on the same day of disturbance. STORM WATER MANAGEMENT FOR THIS LOT IS PROVIDED BY EXISTING TERRAPIN CREEK STORM WATER MANAGEMENT FACILITIES PROVIDED FOR AND CONSTRUCTED BY THE content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation. . Mix seed and fertilizer on site and seed immediately and without interruption. 8) Additional sediment control must be provided, if deemed necessary by the CID. The site and Topsoil salvaged from an existing site may be used provided it meets the standards as set forth in When hydroseeding do not incorporate seed into the soil. all controls shall be inspected by the contractor weekly; and the next day after each rain 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. DEVELOPER UNDER PLAN F-07-086. event. A written report by the contractor, made available upon request, is part of every . Mulch Materials (in order of preference) 3. Topsoiling is limited to areas having 2:1 or flatter slopes where:
a. The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth. n. Straw consisting of thoroughly threshed wheat, rye, oat, a barley and reasonably bright in DRIVEWAY CULVERT DESIGNED BY DEVELOPER UNDER PLAN F-07-086. inspection and should include: color. Straw is to be free of noxious weed seeds as specifid in the Maryland Seed Law and not * Inspection date musty, moldy, caked, decayed, or excessively dusty. Note: Us only sterile straw mulch in The soil material is so shallow that the rooting zone is not deep enough to support plants or * Inspection type (routine, pre-storm event, during rain event) furnish continuing supplies of moisture and plant nutrients.

c. 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. areas where one species of grass is desired. * Name and title of inspector b. Wood Cellulose Fiber Mulch (WCFM) consisting of specially prepared wood cellulose * Weather information (current conditions as well as time and amount of last recorded processed into a uniform fibrous physical state.

i. WCFM is to be dyed green or contain a green dye in the backage that will provide an Areas having slopes steeper than 2:1 require special consideration and design. precipitation) 5. Topsoil Specifications: Soil to be used as topsoil must meet the following criteria:
a. Topsoil must be a loam, sandy loam, clay loam, silt loam, sandy clay loam, or loamy sand.
Other soils may be used if recommended by an agronomist or soil scientist and approved by the * Brief description of project's status (e.g. percent complete) and/or current activities appropriate color to facilitate visual inspection of the uniformy spread slurry. WCFM, including dye, must contain no germination or grown inhibiting factors. * Evidence of sediment discharges ii. WCFM materials are to be manufactured and processed ir such a manner that the wood COD * Identification of plan deficiencies appropriate approval authority. Topsoil must not be a mixture of contrasting textured subsoils cellulose fiber mulch will remain in uniform suspension in waer under agitation and will * Identification of sediment controls that require maintenance and must contain less than 5 percent by volume of cinders, stones, slag, coarse fragments, blend with seed, fertilizer and other additives to form a horngeneous slurry. The mulch blend with seed, fertilizer and other additives to form a horngeneous slurry. The mulch blend with seed, fertilizer and other additives to form a horngeneous slurry. The mulch blend with seed, fertilizer and other additives to form a horngeneous slurry. The mulch blend with the seed of the * Identification of missing or improperly installed sediment controls gravel, sticks, roots, trash, or other materials larger than 1½ inches in diameter. * Compliance status regarding the sequence of construction and stabilization requirements Topsoil must be free of noxious plants or plant parts such as Bermuda grass, quack grass, and percolation properties and must cover and hold grass sed in contact with the soil Johnson grass, nut sedge, poison ivy, thistle, or others as specified. * Photographs without inhibiting the growth of the grass seedlings. Topsoil substitutes or amendments, as recommended by a qualified agronomist or soil scientist iv. WCFM material must not contain elements or compounds at concentration levels that will * Monitoring/sampling nd approved by the appropriate approval authority, may be used in lieu of natural topsoil. * Maintenance and/or corrective action performed TERRAPIN CREEK . WCFM must conform to the following physical requirements fiber length of * Other inspection items as required by the General Permit for Stormwater Associated with 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 capcity of 90 percent minimum. B.17 46,234 S.F. . Erosion and sediment control practices must be maintained when applying topsoil. PLAT No. 22663 Uniformly distribute topsoil in a 5 to 8 inch layer and lightly compact to a minimum thickness Construction Activities (NPDES, MDE). 1.0604 AC.± PROP. HOUSE 9) Trenches for the construction of utilities is limited to three pipe lengths or that which can and of 4 inches. Spreading is to be performed in such a manner that sodding or seeding can proceed shall be back-filled and stabilized by the end of each workday, whichever is shorter. with a minimum of additional soil preparation and tillage. Any irregularities in the surface a. Apply mulch to all seeded areas immediately after seeding b. When straw mulch is used, spread it over all seeded area at the rate of 2 tons per acre to a b. When straw mulch is used, spread it over all seeded area at the rate of 2 tons per acre to a resulting from topsoiling or other operations must be corrected in order to prevent the 10) Any major changes or revisions to the plan or sequence of construction must be reviewed and uniform loose depth of 1 to 2 inches. Apply mulch to achiev a uniform distribution and depth so that the soil surface is not exposed. When using a mulch anchoring tool, increase the ormation of depressions or water pockets. approved by the HSCD prior to proceeding with construction. Minor revisions may allowed by Topsoil must not be placed if the topsoil or subsoil is in a frozen or muddy condition, when the subsoil is excessively wet or in a condition that may otherwise be detrimental to proper grading B.14 the CID per the list of HSCD-approved field changes. TERRAPIN CREEK application rate to 2.5 tons per acre. . Wood cellulose fiber used as mulch must be applied at a net dry weight of 1500 pounds per 11) Disturbance shall not occur outside the L.O.D. A project is to be sequenced so that grading GARAGE PLAT No. 22663 and seedbed preparation. acre. Mix the wood cellulose fiber with water to attain a mixure with a maximum of 50 pounds activities begin on one grading unit (maximum acreage of 20 ac. per grading unit at a time. Soil Amendments (Fertilizer and Lime Specifications) oil tests must be performed to determine the exact ratios and application rates for both lime and Work may proceed to a subsequent grading unit when at least 50 percent of the disturbed of wood cellulose fiber per 100 gallons of water. fertilizer on sites having disturbed areas of 5 acres or more. Soil analysis may be performed by a area in the preceding grading unit has been stabilized and approved by the CID. Unless recognized private or commercial laboratory. Soil samples taken for engineering purposes may also 1. Perform mulch anchoring immediately following application of mulch to minimize loss by wind otherwise specified and approved by the HSCD, no more than 30 acres cumulatively may be or water. This may be done by one of the following methods (listed by preference), depending . Fertilizers must be uniform in composition, free flowing and suitable for accurate application by used for chemical analyses. disturbed at a given time. upon the size of the area and erosion hazard: 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 A mulch anchoring tool is a tractor drawn implement designed to punch and anchor mulch 12) Wash water from any equipment, vehicles, wheels, pavement, and other sources must be treated in a sediment basin or other approved washout structure. into the soil surface a minimum of 2 inches. This practice is most effective on large areas, he applicable laws and must bear the name, trade name or trademark and warranty of the producer. out is limited to flatter slopes where equipment can operate safely. If used on sloping land, 13) Top soil shall be stockpiled and preserved on-site for redistribution onto final grade. 22.00' 3. Lime materials must be ground limestone (hydrated or burnt lime may be substituted except when 14) All Silt Fence and Super Silt Fence shall be placed on-the-contour, and be imbricated at 25' is practice should follow the contour. . Wood cellulose fiber may be used for anchoring straw. Apply the fiber binder at a net dry hydroseeding) which contains at least 50 percent total oxides (calcium oxide plus magnesium minimum interval, with lower ends curled uphill by 2' in elevation. weight of 750 pounds per acre. Mix the wood cellulose fiber with water at a maximum of oxide). Limestone must be ground to such fineness that at least 50 percent will pass through a #100 HOUSE DETAIL 15) Stream channels must not be disturbed during the following restricted time periods (inclusive): 50 pounds of wood cellulose fiber per 100 gallons of water. mesh sieve and 98 to 100 percent will pass through a #20 mesh sieve. iii. Synthetic binders such as Acrylic DLR (Agro—Tack), DCA—7), Petroset, Terra Tax II, Terra Tack AR or other approved equal may be used. Follow application rates as specified by the 4. Lime and fertilizer are to be evenly distributed and incorporated into the top 3 to 5 inches of soil by * Use I and IP March 1 - June 15 * Use III and IIIP October 1 - April 30 5. Where the subsoil is either highly acidic or composed of heavy clays, spread ground limestone at the manufacturer. Application of liquid binders needs to be heavie at the edges where wind Use IV March 1 - May 31 16) A copy of this plan, the 2011 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION catches mulch, such as in valleys and on crests of banks. Ise of asphalt binders is strictly prohibited. rate of 4 to 8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. v. Lightweight plastic netting may be stapled over the mulch according to manufacturer AND SEDIMENT CONTROL, and associated permits shall be on-site and available when the site recommendations. Netting is usually available in rolls 4 to 15 feet wide and 300 to 3,000 feet long. TEMPORARY STABILIZATION SPECIFICATIONS TABLE B-4-8 STANDARDS AND SPECIFICATIONS Hardiness Zone (from Figure B.3): 6b Fertilizer Rate Seed Mixture (from Table B.1): _ (10-20-20)SEQUENCE OF CONSTRUCTION 1. OBTAIN ALL REQUIRED GRADING, MDE PERMITS, APPROVALS AND LICENSES FROM Seeding Dates Application Rate (lb/ac) A mound or pile of soil praected by appropriately designed erosion and sediment APPROPRIATE AGENCIES. (1 WEEK) 436 lb/ac 2. NOTIFY HOWARD COUNTY CONSTRUCTION INSPECTION DIVISION (10 lb/1000 sf) (90 lb/1000 sf) o provide a designated locition for the temporary storage of soil that controls the 0.5 INCHES (410-313-1850) AT LEAST 24-HOURS PRIOR TO STARTING WORK (1 WEEK). JUNE 1 - JULY 31 3. INSTALL STABILIZED CONSTRUCTION ENTRANCE (1 WEEK). Stockpile areas are utilized when it is necessary to salvage and store soil for later 4. INSTALL REMAINING SEDIMENT AND EROSION CONTROL MEASURES (1 WEEK). 5. CONSTRUCT HOUSE AND SEPTIC SYSTEM (12 WEEKS). 6. INSTALL DRIVEWAY PAVEMENT (2 WEEKS). 1. The stockpile location and all related sediment control practices must be clearly STABILIZE ALL DISTURBED AREAS PER PERMANENT STABILIZATION (1 WEEK). indicated on the erosion and sediment control plan. 8. NOTIFY HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS FOR FINAL 2. The footprint of the stckpile must be sized to accommodate the anticipated

INSPECTION OF COMPLETED PROJECT (1 WEEK).

B-4-5 STANDARDS AND SPECIFICATIONS

PERMANENT STABILIZATION

o use long-lived perennial grasses and legumes to establish permanent ground cover on disturbed soils.

a. 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

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.

Additional planting specifications for exceptional sites such as shorelines, stream banks, or

c. For sites having disturbed area over 5 acres, use and show the rates recommended by the soil

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

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

management. Irrigation required in the areas of central Maryland and Eastern Shore.

1000 square feet. Choose a minimum of three Kentucky bluegrass cultivars with each

Recommended Certified Kentucky Bluegrass Cultivars Seeding Rate: 1.5 to 2.0 pounds per

management. Certified Perennial Ryegrass Cultivars/Certified Kentucky Bluegrass Seeding

bluegrass cultivars with each ranging from 10 to 35 percent of the total mixture by weight.

Rate: 2 pounds mixture per 1000 square feet. Choose a minimum of three Kentucky

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

Certified Kentucky Bluegrass Cultivars 30 to 40 percent and Certified Fine Fescue and 60 to 70

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

ranging from 10 to 35 percent of the total mixture by weight

establishment is necessary and when turf will receive medium to intensive

1000 square feet. One or more cultivars may be blended.

v. For establishment in high quality, intensively managed turf area. Mixture includes;

percent. Seeding Rate: 1½ to 3 pounds per 1000 square feet.

ii. Kentucky Bluegrass/Perennial Rye: Full Sun Mixture: For use in full sun areas whererapid

iii. Tall Fescue/Kentucky Bluegrass: Full Sun Mixture: For use in drought prone areas and/or

iv. Kentucky Bluegrass/Fine Fescue: Shade Mixture: For use in areas with shade in Bluegrass

Kentucky Bluegrass: Full Sun Mixture: For use in areas that receive intensive

o stabilize disturbed soils with permanent vegetation.

Summary. The Summary is to be placed on the plan.

shown in the Permanent Seeding Summary.

which will receive a medium to high level of maintenance.

Seeding Summary. The summary is to be placed on the plan.

xposed soils where ground cover is needed for 6 months or more.

Conditions Where Practice Applies

General Use

	생명된 상업을 바다면 하는 것이 있다면 하는 이 사이에 가는 사람들은 회에는 아이지 않는 것이다. 회사 사람들은 하는 그는 사람들은 하는 것이다. 그는 그를 하는 것이다. 그는 그를 하는 것이다. 하는 것이다. 그는 그를 하는 것이다. 그를 하는 것이다. 그는 그를 하는 것이다. 그렇다면 하는								
			PERMANENT STAI	BILIZATION SPECI	FICATIONS T	ABLE			
Hardiness Zone (from Figure B.3): 6b Seed Mixture (from Table B.3): 11					Fertilizer Rate (10-20-20)			Lime Rate	
No.	Species	Application Rate	Seeding Dates	Seeding Depths	N	P205	K20		
	kentucky bluegrass	20	Mar. 1-May 15 Aug. 1-Oct.15	1/4-1/2 in	45 pounds per acre (1.0 lb/ 1000 sf)	90 lb/ac (2lb/1000 sf)	90 lb/ac (90 lb/1000 sf)	2 tons/ac (90 lb/ 1000 sf)	
Bidogi	Didogrado	- 10 - 13 er 14	nug. 1 ode 10	1/4-1/2 in					
				1/4-1/2 in					

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 3. SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

S. DEPARTMENT OF AGRICULTURE
LE RESOURCES CONSERVATION SERVICE

MARYLAND DEPARTMENT OF ENVIRONMENT WATER MANAGEMENT ADMINISTRATION

volume of material and based on a side slope ratio no steeper than 2:1 Benching must be provided in accordance with Section B-3 Land Grading . Runoff from the stockple area must drain to a suitable sediment control practice. 4. Access the stockpile and from the upgrade side. 5. Clear water runoff into the stockpile area must be minimized by use of a

Provisions must be male for discharging concentrated flow in a non-erosive 6. Where runoff concentraes along the toe of the stockpile fill, an appropriate erosion/sediment control practice must be used to intercept the discharge. Stockpiles must be stallized in accordance with the 3/7 day stabilization requirement as well a Standard B-4-1 Incremental Stabilization and Standard

diversion device sum as an earth dike, temporary swale or diversion fence

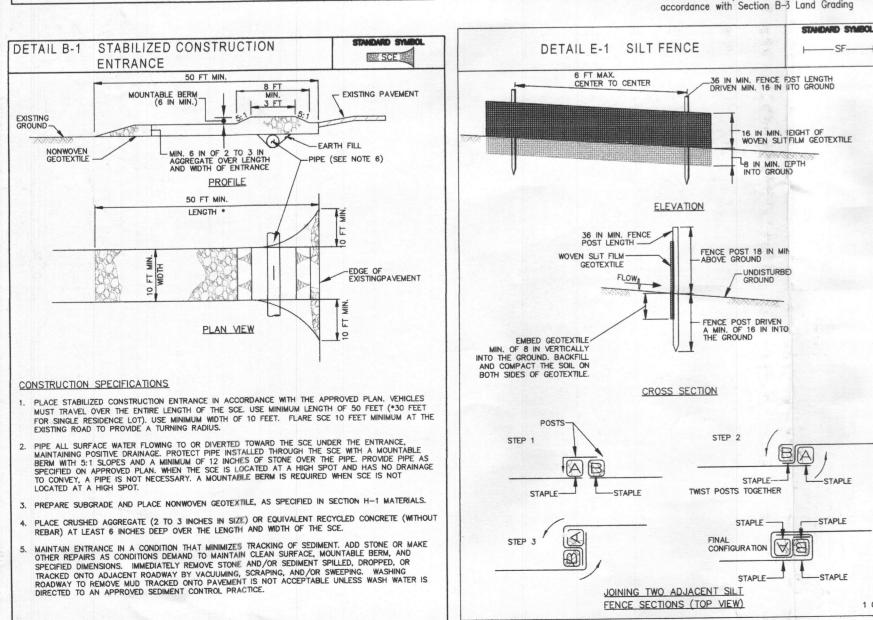
8. If the stockpile is located on an impervious surface, a liner should be provided

The stockpile area must cotinuously meet the requirements for Adequate Vegetative Establishment in accordance with Section B-4 Vegetative Stabilization. Side slopes oust be maintained at no teeper 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 eet for 4:1 slopes, benching must be provided in

material must be covered with impermeable sheeting.

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

2011



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,

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)

d. 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 11/2 inches in diameter. The resulting seedbed must be in such condition that future mowing of grasses will

Turf and Seed Section, provides a reliable means of consumer protection and assures

e. If soil moisture is deficient, supply new seedings with adequate water for plant growth (% 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**

ii. Class of turfgrass sod must be Maryland State Certified. Sod labels must be made available to the job foreman and inspector. ij. Sod must be machine cut at a uniform soil thickness of ¾ 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.

ik. 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 il. Sod must not be harvested or transplanted when moisture content (excessively dry or wet) may

adversely affect its survival. im. 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

installation a. During periods of excessively high temperature or in areas having dry subsoil, lightly irrigate

the subsoil immediately prior to laying the sod. b. 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. Wherever possible, lay sod with the long edges parallel to the contour and with staggering 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.

PROFESSIONAL CERTIFICATION

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

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

DATE REVISIONS

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

NON-BUILDABLE PRESERVATION

PARCEL 'B-1

TERRAPIN CREEK

PLAT No. 23779-23782 TERRA'IN

LEE PLAZA, SUITE 200 8601GEORGIA AVENUE

DEVELOPER:

CATONSVILLE HOMES

11175 STRATFIELD

MARRIOTTSVILLE, MD. 2

I/WE CERTIFY THAT CLEARING, GRADING, CONSTRUCTION, OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS APPROVED EROSION AND SEDIMENT CONTROL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE 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

TAX ID No. 03-285774

588.50 578.50

PORCH

4 21/17 DATE

"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

THIS PLAN IS APPROVED FOR SOIL EROSION AND CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

HOWARD SOIL CONSERVATION DISTRICT

PLOT PLAN & SEDIMENT CONTROL PLAN

PLAT 22661 - 22664

TAX ID No. 03-285774 2014 TERRAPIN CREEK ROAD THIRD ELECTION DISTRICT

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

DEVELOPER'S CERTIFICATE:

PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROLS, AND THAT THE CONSERVATION DISTRICT, AND/OR MDE."

Chipken

ENGINEER'S CERTIFICATE:

CONSERVATION DISTRICT." 6/21/2017

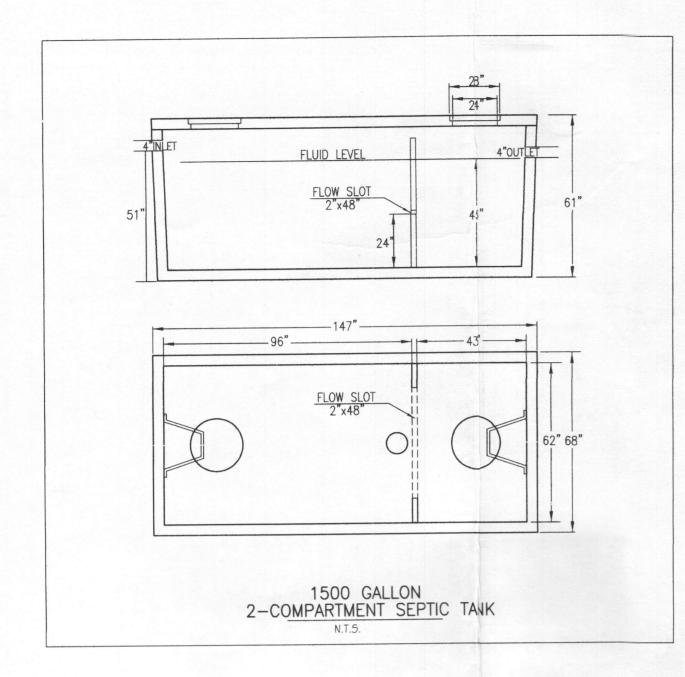
SCALE: 1" = 30' JUNE, 2017

HOWARD COUNTY, MARYLAND

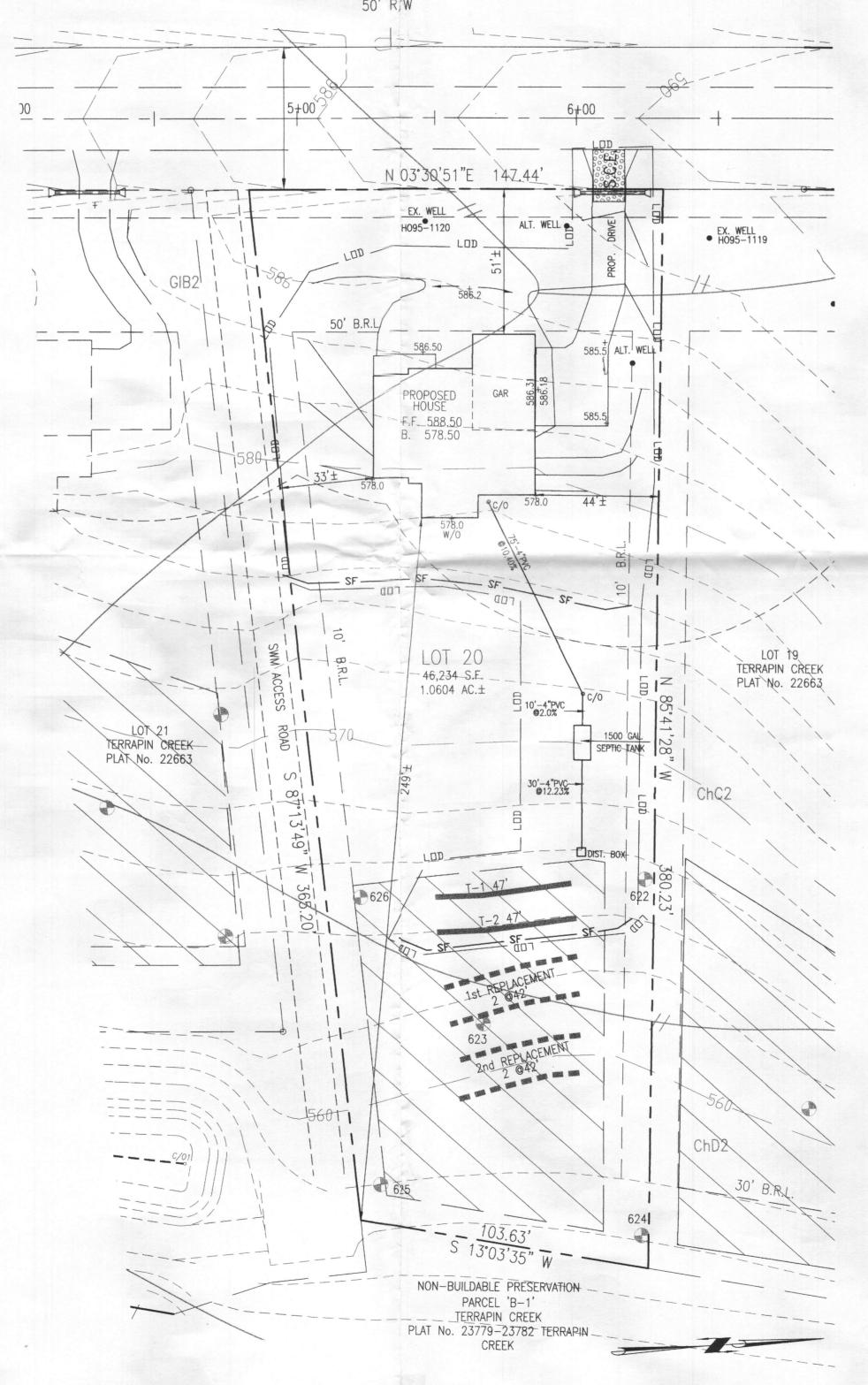
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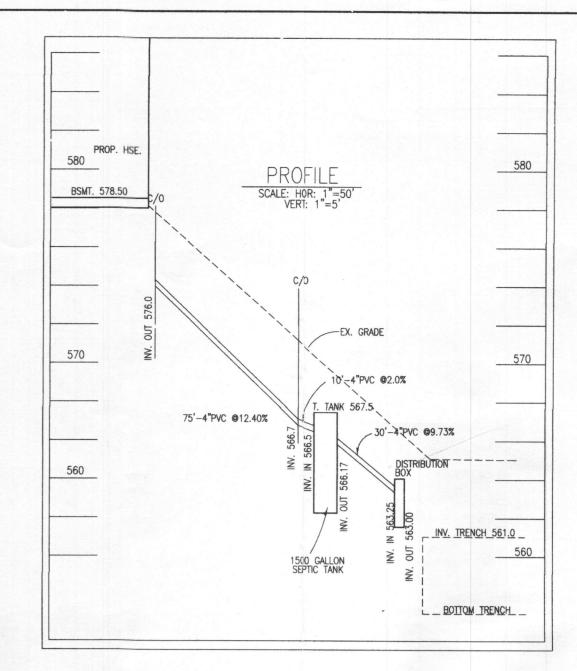
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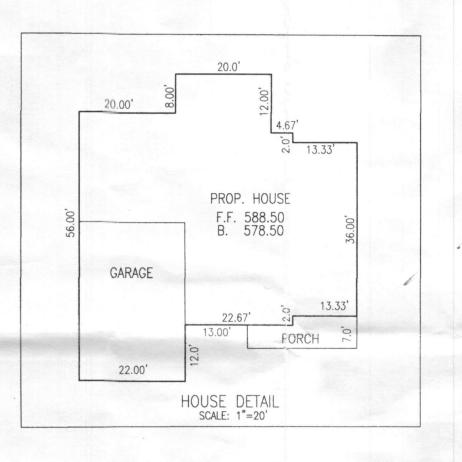
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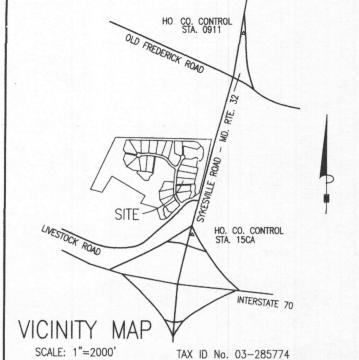












GENERAL NOTES:

TOPOGRAPHY & PLANIMETRIC 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 NAVD88.

- 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
- 4. LIMIT OF DISTURBANCE (LOD) = 19,500 SQ.FT.
- 5. THERE ARE NO STREAMS, PONDS, FLOODPLAINS OR WETLANDS ON THIS LOT.
- STORM WATER MANAGEMENT FOR THIS LOT IS PROVIDED BY EXISTING TERRAPIN CREEK STORM WATER MANAGEMENT FACILITIES PROVIDED FOR AND CONSTRUCTED BY THE DEVELOPER UNDER PLAN F-07-086.
- 7. DRIVEWAY CULVERT DESIGNED BY DEVELOPER UNDER PLAN F-07-086.

SEPTIC SYSTEM TRENCH DESIGN

INITIAL NUMBER OF BEDROOMS APPLICATION RATE = 1.2 GPD / sq.ft.DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD 600 GPD / 1.2 GPD/sq.ft. = 500 sq.ft.500 sq.ft. / 3 ft. WIDE TRENCH = 167 LF TRENCH 167 LF TRENCH X 0.56 REDUCTION CREDIT = 94 LF TRENCH TRENCH 1 (T1) EX. GRD=565.0 -INV. TRENCH=561.0 -B. TRENCH=558.0 TRENCH 2 (T1) EX. GRD=564.0 -INV. TRENCH=560.0 -B. TRENCH=557.0

1st REPLACEMENT INITIAL NUMBER OF BEDROOMS = 4 APPLICATION RATE = 1.2 GPD / sq.ft.DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD 600 GPD / 1.2 GPD/sq.ft. = 500 sq.ft.500 sq.ft. / 3 ft. WIDE TRENCH = 167 LF TRENCH 167 LF TRENCH X 0.50 REDUCTION CREDIT = 84 LF TRENCH TRENCH 1 (T1) EX. GRD=562.5 -INV. TRENCH=568.5 -B. TRENCH=555.5 TRENCH 2 (T1) EX. GRD=561.5 -INV. TRENCH=557.5 -B. TRENCH=554.5

2nd REPLACEMENT INITIAL NUMBER OF BEDROOMS = 4 = 1.2 GPD / sq.ft.APPLICATION RATE DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD 600 GPD / 1.2 GPD/sq.ft. = 500 sq.ft.500 sq.ft. / 3 ft. WIDE TRENCH = 167 LF TRENCH 167 LF TRENCH X 0.50 REDUCTION CREDIT = 84 LF TRENCH
TRENCH 1 (T1) EX. GRD=560.5 -INV. TRENCH=566.5 -B. TRENCH=553.5 TRENCH 2 (T1) EX. GRD=559.5 -INV. TRENCH=555.5 -B. TRENCH=552.5

SITE PLAN NOTES:

J. ANY CHANGE TO THE LOCATIONS OR DEPTHS TO ANY COMPONENTS MUST BE APPROVED BY THE ENGINEER AND THE HOWARD COUNTY HEALTH DEPARTMENT PRIOR TO INSTALLATION. A REVISED SITE PLAN MAY BE REQUIRED.

- 2. MAXIMUM COVER OVER THE TANK IS 3 FEET. GREATER DEPTH WILL REQUIRE A HEAVY LOAD BEARING TANK.
- 3. ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.
- 4. THE WELL (TAG #HO-95-1 | 20) HAS BEEN FIELD LOCATED AND IS ACCURATELY
- 5. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRAIDENT OF ANY WELLS AND OR SEPTIC SYSTEMS HAVE BEEN SHOWN.

PROFESSIONAL CERTIFICATION I hereby certify that these documents were prepared or approved by me, and that I am a duly licenced professional engineer under the laws of the State of Maryland, License No. <u>18417</u>, Expiration Date: <u>9-18-17</u>.

DATE REVISIONS LDG INC. LEE PLAZA, SUITE 200 8601GEORGIA AVENUE SILVER SPRING, MD. 20910 301-585-7000

CATONSVILLE HOMES 11175 STRATFIELD CT. MARRIOTTSVILLE, MD. 21104 410-442-2211

ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

LOT 20 TERRAPIN CREEK PLAT 22661 - 22664

TAX ID No. 03-285774 2014 TERRAPIN CREEK ROAD THIRD ELECTION DISTRICT "OWARD COUNTY, MARYLAND SCALE: 1" = 30' JUNE, 2017

SHEET 1 OF 1

