

Building Permit Application

Howard County Maryland

Department of Inspections, Licenses and Permits

3430 Court House Drive

Permits: 410-313-2455

www.howardcountymd.gov

Permit No.: B18002517

Building Address:State:Suite/Apt. #SDP/		
City: State:	WHIP IN CHELF FIL	Property Owner's Name: -> - TNC
	' A '	
uite/Apt. #SDP		City: State: A Zin Code
307/	/WP/BA #:	Phone: Fax:
Census Tract:	Subdivision:	
ection: Area:		
		I I . III SECTION IN THE STATE OF THE STATE
ax Map: Parcel:	<u> </u>	Applicant's Name: Commonwealth Applicant's Name:
oning: Map Coordinate		
	LOC SIZE.	Phone: Fax:
xisting Use: VACANT L		Email: Catagoria Catagoria Catagoria
roposed Use:		Contractor Company: Chitche Ville 18 18 18 18 18 18 18 18 18 18 18 18 18
stimated Construction Cost: \$ +	Name (1971) A	Contact Person:
escription of Work:	WINE TOWN	Address: 1,4,75
Company of the second of the s		City: 11 November 21 State: Zip Code:
and the second second	with a second	License No.
PANTAL FIX	WIND BULL	Phone: Phone: Fax: Fax: Fax: Fax: Fax: Fax: Fax: Fax
Occupant/Tenant Name:	· ·	Email: Shake Teach Control Viller Mes. Co. 11
Was tenant space previously occupied?		o Engineer/Architect Company:
Contact Name:		Responsible Design Prof.:
Address:		Address:
之間的作者 · · · · · · · · · · · · · · · · · · ·		
ity:St	state: Zip Code:	City: City: State: State: Zip Code: -122-5
hone:F	Fax:	Phone: 410 188 - 128 Fax: 413 17 88 - 10 32
mail:		
		Email: I were chees to allow to chit i Coro
Commercial Building Characteristics	Residential Building Character	istics Utilities
leight:	SF Dwelling SF Townhouse	Electric: ' ☑Yes ☐ No
No. of stories:	Depth Width	
Gross area, sq. ft./floor:	1 st floor:	<u>Water Supply</u>
	2 nd floor:	Public
Area of construction (sq. ft.):	Basement:	Private
	Finished Basement	
Jse group:	Unfinished Basement	Sewage Disposal
Construction tune:	☐ Crawl Space ☐ Slab on Grade	Public
Construction type: ☐ Reinforced Concrete	No. of Bedrooms:	—— Private
Structural Steel	Multi-family Dwelling	Heating System
☐ Masonry	No. of efficiency units:	☐ Electric ☐ Oil
	No. of 1 BR units:	☑ Natural Gas ☐ Propane Gas
- TYOUR FIGHTIE	No. of 2 BR units:	☐ Other:
	No. of 3 BR units:	
		III I SPIENCE SUCTOM:
	Other Structure:	Sprinkler System:
		Sprinkler System: □□ Yes □ No
	Other Structure:	No No No
☐ State Certified Modular ➤ Roadside Tree Project Permit ☐ Yes ☑ No	Other Structure: Dimensions:	
☐ State Certified Modular ➤ Roadside Tree Project Permit	Other Structure: Dimensions: Footings:	No No No
	Other Structure: Dimensions: Footings:	No □ No □ No

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health	8/6	118 H. OSWO

Is Sediment Control approval required for issuance? ☐ Yes ☐ No ☐ CONTINGENCY CONSTRUCTION START.

Front:		
Rear:	1 14	
Side:		
Side St.:		
All minimum setbacks met?	☐ Yes	□No
Is Entrance Permit Required?	☐ Yes	□No
Historic District?	☐ Yes	□No
Lot Coverage for New Town Z	one:	
SDP/Red-line approval date:	,	

Filing Fee	\$ 10
Permit Fee	\$.
Tech Fee	\$
Excise Tax	\$
PSFS	\$
Guaranty Fund	\$ (2)
Add'l per Fee	\$
Total Fees	\$
Sub- Total Paid	\$
Balance Due	\$
Check	# 45397

Oswald, Hank

From:

Oswald, Hank

Sent:

Friday, July 27, 2018 1:46 PM

To:

Rob Scranton (rscranton@catonsvillehomes.com)

Subject:

B18002517_2003 Terrapin Creek Road_OSDS Plan

Hello Mr. Scranton:

Good afternoon. This office is in receipt of a building permit (B18002517) and floor plans for a SFD located at 2003 Terrapin Creek Road. Prior to BP approval, an OSDS plan sized for 6 bedrooms is also required. Please forward 2 to 3 copies of the plan at your earliest convenience.

Thanks,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Howard County Health Department
Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
hoswald@howardcountymd.gov

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David Adams

From:

Pam Walter < PWalter@catonsvillehomes.com>

Sent:

Tuesday, July 31, 2018 10:45 AM

To:

Ron Thompson

Cc: Subject: Lyle Royston; Rob Scranton; Mike VanSant; David Adams

Re: B18002517_2003 Terrapin Creek Road_OSDS Plan

This is Lot 1. Please correct Lot # and address on the Plat

Sent from my iPhone

On Jul 31, 2018, at 8:06 AM, Ron Thompson < ron@vanmar.com > wrote:

Lyle

Please see below message for 2003 Terrapin Creek Road (not sure if a this is TC Lot 16?). We need to revise to 6 bedrooms. When complete have David stamp and overnight 3 copies to Hank Oswald.

Ron

Get Outlook for iOS

From: Pam Walter <pwalter@catonsvillehomes.com>

Sent: Monday, July 30, 2018 3:41 PM **To:** Rob Scranton; Ron Thompson

Subject: RE: B18002517_2003 Terrapin Creek Road_OSDS Plan

This house could be considered 6 bedrooms. A room with a closet, door and full bath in the basement; a room with a closet, door and full bath on the 1^{st} level and 4 bedrooms on the 2^{nd} floor.

Pam Walter

Catonsville Homes, LLC 11175 Stratfield Court Marriottsville, MD 21104 410-442-2211 x 202 410-442-2215 Fax pwalter@catonsvillehomes.com

From: Rob Scranton

Sent: Friday, July 27, 2018 6:48 PM

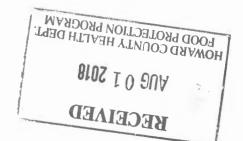
To: Ron Thompson Cc: Pam Walter

Subject: Fwd: B18002517 2003 Terrapin Creek Road_OSDS Plan

Ron and Pam,

See below?

Rob Scranton



Sent from my iPhone

Begin forwarded message:

From: "Oswald, Hank" < hoswald@howardcountymd.gov>

Date: July 27, 2018 at 10:45:41 AM PDT

To: "Rob Scranton (rscranton@catonsvillehomes.com)"

<rscranton@catonsvillehomes.com>

Subject: B18002517_2003 Terrapin Creek Road_OSDS Plan

Hello Mr. Scranton:

Good afternoon. This office is in receipt of a building permit (B18002517) and floor plans for a SFD located at 2003 Terrapin Creek Road. Prior to BP approval, an OSDS plan sized for 6 bedrooms is also required. Please forward 2 to 3 copies of the plan at your earliest convenience.

Thanks,

Hank

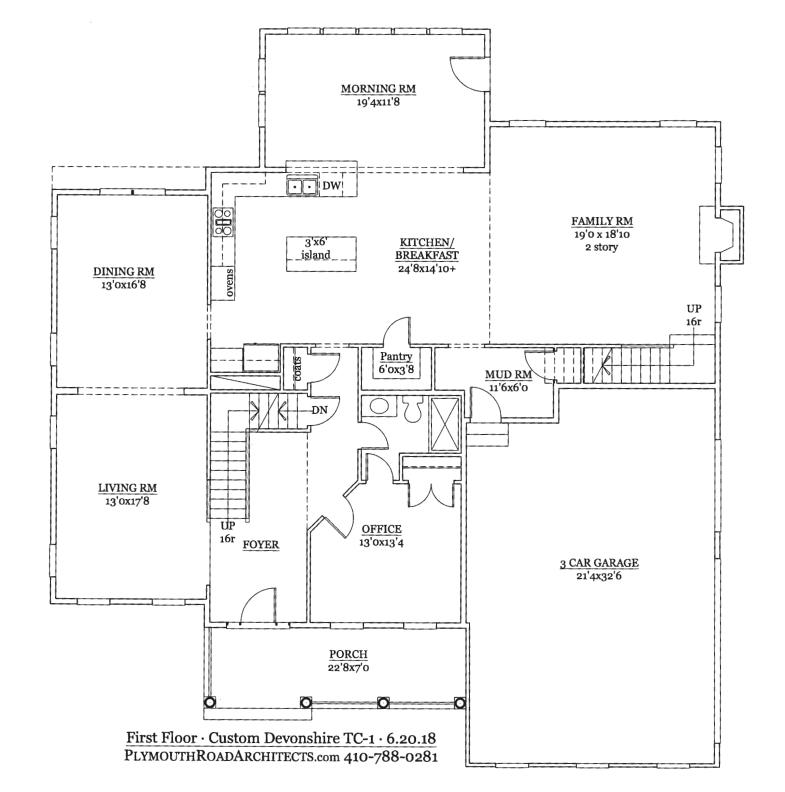
Hank Oswald
Licensed Environmental Health Specialist
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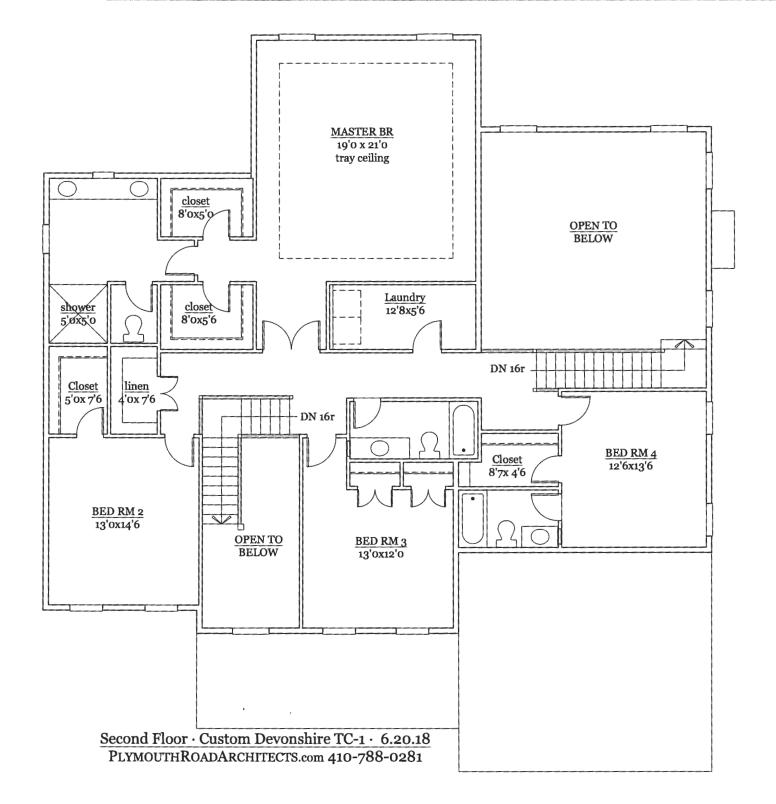
CONFIDENTIALITY NOTICE

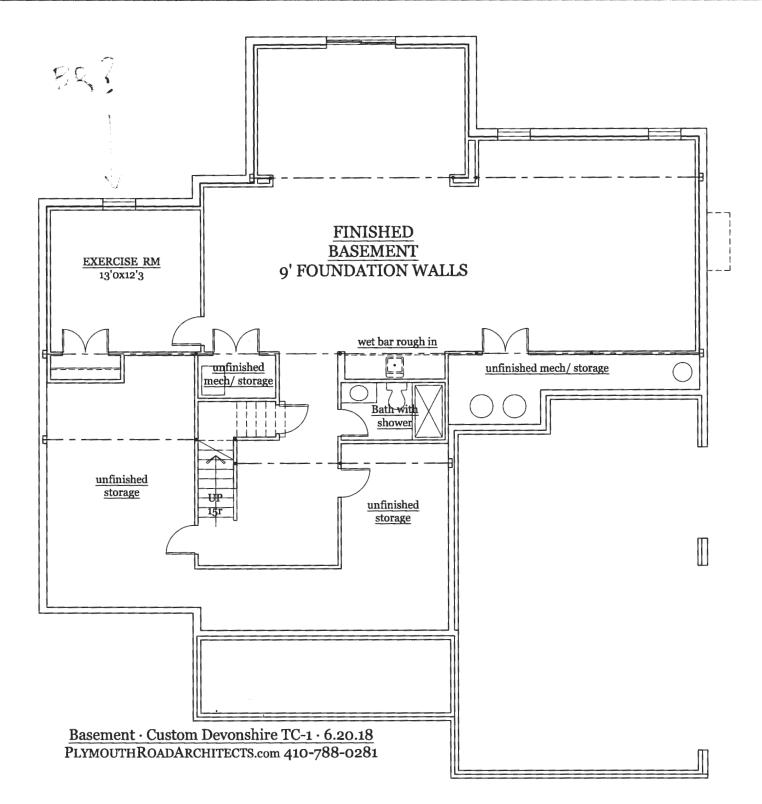
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Front Elevation · Custom Devonshire TC-1 6.20.18
PLYMOUTHROADARCHITECTS.com 410-788-0281







· (%

Conditions Where Practice Applies: Where vegetative stabilization is to be established A. Soil Preparation Temporary Stabilization
 Seedbed preparation consists of loosening soil to a depth of 3 to 5 inches by means of suitable

agricultural or construction equipment, such as disc harrows or chisel plows 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.

c. Incorporate lime and fertilizer into the top 3 to 5 inches of soil by disking or other suitable means.

2. Permanent Stabilization

a. A soil test is required for any earth disturbance of 5 acres or more. The minimum soil conditions required for permanent vegetative establishment are: i. Soil pH between 6.0 and 7.0. ii. Soluble salts less than 500 parts per million (ppm). iii. 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) would be acceptable. would be acceptable.

iv. Soil contains 1.5 percent minimum organic matter by weight.

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.

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 test.

e. Mix soil amendments into the top 3 to 5 inches of soil by disking or other suitable means. Rake
laws areas to smooth the surface remove large objects like stones and branches, and ready the 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

equipment to roughen the surface where site conditions will not permit normal seedbed 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 soil loose and friable. Seedbed loosening may be unnecessary on newly disturbed areas.

B. Topsoiling

1. 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.

3. Topsoiling is limited to areas having 2:1 or flatter slopes where:

a. The texture of the exposed subsoil/parent material is not deep enough to support plants or furnish continuing supplies of moisture and plant nutrients.

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.

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.

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:

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 appropriate approval authority. Topsoil 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 1½ inches in diameter.
b. Topsoil must be free of noxious plants or plant parts such as Bermuda grass, quack grass,

b. 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.
6. Topsoil Application
a. Erosion and sediment control practices must be maintained when applying topsoil.
b. 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.
c. 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 and seedbed preparation.

and seedbed preparation.
C. Soil Amendments (Fertilizer and Lime Specifications)

C. Soil Amendments (Fertilizer and Lime Specifications)

1. Soil tests must be performed to determine the exact ratios and application rates for both lime 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 mesh sieve and 98 to 100 percent will pass through a #20 mesh sieve.

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/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil.

Hardiness Zone (from Figure B.3): 6b

Hardiness Zone (from Figure B.3): 6b Seed Mixture (from Table B.3): 11

DUST CONTROL METHOD FOR THIS SITE TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES: CALCIUM CHLORIDE SHALL BE APPLIED TO EXPOSED

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT

A. THREE (3) CALENDAR DAYS AS TO THE SURFACE OF ALL PERIMETER

B. SEVEN (7) CALENDAR DAYS AS TO ALL OTHER DISTURBED OR GRADED

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL

DIKES, SWALES, DITCHES, PERIMETER SLOPES, AND ALL SLOPES

STEEPER THAN 3 HORIZONTAL TO 1 VERTICAL (3:1); AND

AREAS ON THE PROJECT SITE NOT UNDER ACTIVE GRADING.

TO VEGETATIVE SPECS. FOR THIS SITE AND AREAS TO BE PAVED ARE COMPLETED.

OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN:

STANDARD STABILIZATION NOTE

SURFACES AT A RATE THAT WILL KEEP SURFACE MOIST UNTIL SOIL IS STABILIZED ACCORDING

kentucky bluegrass 20

DUST CONTROL

Seed Mixture (from Table B.1):

TEMPORARY STABILIZATION SPECIFICATIONS TABLE

JUNE 1 - JULY 31 0.5 INCHES

1/4-1/2 in

1/4-1/2 in

1/4-1/2 in

Seeding Depths

0.5 INCHES

per acre

(1.0 lb/

1000 sf

Fertilizer Rate

436 lb/ac

45 pounds | 90 lb/ac | 90 lb/ac (90 | 2 tons/ac

(2lb/1000 sf) | lb/1000 sf)

P205

(10-20-20)

(10 lb/1000 sf) (90 lb/1000 sf)

K20

Lime Rate

(90 lb/

1000 sf)

MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEIMENT CONTROL

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.

All seed must meet the requirements of the Maryland State Seed Law. All seed must be subject a. All seed must meet the requirements of the manyland 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 material on any project. Refer to Table B.4 regarding the quality of seed. Seed tags must be available upon request to the inspector to verify type of seed and seeding rate.

b. Mulch alone may be applied between the fall and spring seeding dates only if the ground is

frozen. The appropriate seeding mixture must be applied when the ground thaws.

c. Inaculants: The inaculant for treating legume seed in the seed mixtures must be a pure culture of nitrogen fixing bacteria prepared specifically for the species. Inaculants must not be used later than the date indicated on the container. Add fresh inaculants as directed on the package. Use four times the recommended rate when hydroseeding. Note: It is very important to keep inoculant as cool as possible until used. Temperatures above 75 to 80 degrees Fahrenheit can d. Sad 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.

 Application
 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,
 Permanent Seeding Table B.3, or site-specific seeding summaries.
 Apply seed in two directions, perpendicular to each other. Apply half the seeding rate in nch 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. c. Hydroseeding: Apply seed uniformly with hydroseeder (slurry 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 soluble nitrogen; P2 05 (phosphorous).

200 pounds per acre; K2 0 (potassium), 200 pounds per acre.

ii. Lime: Use only ground agricultural limestone (up to 3 tans per acre may be applied by hydroseeding). Normally, not more than 2 tons are applied by hydroseeding at any one time. Do not use burnt or hydrated lime when hydroseeding.

iii. Mix seed and fertilizer on site and seed immediately and without interruption. When hydroseeding do not incorporate seed into the soil.

1. Mulch Materials (in order of preference)
a. Straw consisting of thoroughly threshed wheat, rye, oat, or barley and reasonably bright in color. Straw is to be free of noxious 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. i. WCFM, including dye, must contain no germination or growth inhibiting factors.

ii. 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 slurry. 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 grass 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, ask content of 1.6 percent maximum and water holding capacity of 90 percent minimum. B.17

a. Application
a. Apply mulch to all seeded areas immediately after seeding.
b. 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 pounds of wood cellulose fiber per 100 gallons of water.

3. Anchoring 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 nto 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,

iv. Lightweight plastic netting may be stapled over the mulch according to manufacturer recommendations. Netting is usually available in rolls 4 to 15 feet wide and 300 to 3,000 feet long.

is practice should follow the contour. ii. 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 50 pounds of wood cellulose fiber per 100 gallons of water. iii. Synthetic binders such as Acrylic DLR (Agro-Tack), DCA-10, Petroset, Terra Tax II, Terra Tack 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 HOWARD SOIL 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), 410-313-1855 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, c. 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 approva

by inspection agency is made. Other related state and federal permits shall be referenced, to ensure coordination and to avoid conflicts with this plan. 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

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 horizontal to 1 vertical (3:1); and seven (7) calendar days as to all other disturbed areas on the project site except for

FOR THE SOIL EROSION AND SEDIMENT CONTROL", and revisions thereto.

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. 8-4-2, permanent seeding (Sec. 8-4-5), temporary seeding (Sec. 8-4-4) 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 eradible 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.

6) Site Analysis: Total Area of Site 0.32 Acres. 0.10 Acres. 0.22 Acres. Area Disturbed Area to be roofed or paved Area to be vegetatively stabilized

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 * Photographs * 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).)) 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 ac. 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, povement, and other sources must be treated in a sediment basin or other approved washout structure.

3) Top soil shall be stockpiled and preserved on-site for redistribution onto final grade. 14) All Silt Fence and Super Silt Fence shall be placed on-the-contour, and be imbricated 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 IV March 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

B-4-8 STANDARDS AND SPECIFICATIONS STOCKPILE AREA

o provide a designated location for the temporary storage of soil that controls the

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

Conditions Where Practice Applies

Stockpile areas are utilized when it is necessary to salvage and store sail for later

. The stockpile location and all related sediment control practices must be clearly indicated 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 slope ratio no steeper than 2:1.

Benching must be provided in accordance with Section B-3 Land Grading.

Runoff from the stockpile area must drain to a suitable sediment control practice.

. 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, an appropriate erosion/sediment control practice must be used to intercept the discharge.

7. Stockpiles must be stabilized in accordance with the 3/7 day stabilization requirement as well a Standard B-4-1 Incremental Stabilization and Standard B-4-4 Temporary Stabilization.

8. If the stockpile is located on an impervious surface, a liner should be provided below the stockpile to lacilitate cleanup. Stockpiles containing contaminated material must be covered with impermeable sheeting.

The stockpile area must cottinuously meet the requirements for Adequate Vegetative Establishment in accordance with Section B-4 Vegetative Stabilization. Side slopes must 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 2:1 slopes, 30 feet for 3:1 slopes, or 40 leet for 4:1 slopes, benching must be provided in

DETAIL B-1 STABILIZED CONSTRUCTION DETAIL E-1 SILT FENCE ENTRANCE DRIVEN MIN. 16 IN WTO GROUND "16 IN MIN. HEIGHT OF WOVEN SLI FILM GEOTEXTILE PROFILE ELEVATION PLAN VIEW CONSTRUCTION SPECIFICATIONS CROSS SECTION 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. WIST POSTS TOGETHER PREPARE SUBGRADE AND PLACE NONWOVEN GEOTEXTILE, AS SPECIFIED IN SECTION H-1 MATERIALS. PLACE CRUSHED AGGREGATE (2 TO 3 INCHES IN SIZE) OR EQUIVALENT RECYCLED CONCRETE (WITHOUT REBAR) AT LEAST 6 INCHES DEEP OVER THE LENGTH AND WIDTH OF THE SCE. STAPLE -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 VACULUMING, 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. STAPLE-JOINING TWO ADJACENT SILT FENCE SECTIONS (TOP VIEW)

TERRAPIN CREEK PLAT No. 23780 N 37'26'26" W - 119.15' 40.342 s.f. 0.9261\Ac.± LOT 2 TERRAPIN CREEK PLAT No. 22663 PROPOSED HOUSE THE E 2.5% 21619 50' B.R.L. DX MAINTENANCE, SER DRAINAGE & UTILITY EASEMENT Oll

S-- NON-BUILDABLE

PRESERVATION

PARCEL-'D' -

To stabilize disturbed soils with permanent vegetation. To use long-lived perennial grasses and legumes to establish permanent ground cover on disturbed soils. program of the Maryland Department of Agriculture, Turf and Seed Section, provides a reliable means of consumer Conditions Where Practice Applies xposed soils where ground cover is needed for 6 months or more.

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 Summary. The Summary is to be placed on the plan. b. Additional planting specifications for exceptional sites such as shorelines, stream banks, or

B-4-5 STANDARDS AND SPECIFICATIONS

PERMANENT STABILIZATION

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

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 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 infull 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.

iv. 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 fo Maryland" Choose certified material. Certified material is the best guarantee of cultivar purity. The certification

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.

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 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 Sod Installation

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

GENERAL NOTES:

ZONING DISTRICT: RC-DEO

LIMIT OF DISTURBANCE (LOD) = 14,100 SQ.FT.

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

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.

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

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 soi! texture) until they are firmly established. This is especially true when seedings are made late in the planting season, in abnormally dry or hot

Sod must be machine cut at a uniform soil thickness of % inch, plus or minus % inch, at the time

a. During periods of excessively high temperature or in areas having dry subsoil, lightly irrigate the subsoil immediately prior to laying the sod.

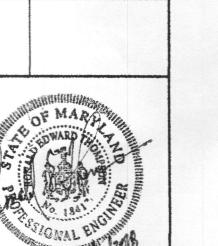
and irrigating for any piece of sod within eight hours.

PROFESSIONAL CERTIFICATION hereby cetify 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 Maryind, License No. <u>18417</u>, Expiration Date: <u>9-18-19</u>. DATE REVISIONS

HOWARD SOIL CONSERVATION DISTRICT

THIS PLAN IS APPROVED FOR SOIL EROSION AND

CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.



PLOT PLAN AND SEDIMENT CONTROL PLAN

DEVELOPER:

CATONSVILLE HOMES

DEVELOPER'S CERTIFICATE:

WILL BE DONE PURSUANT TO THIS APPROVED EROSION AND SEDIMENT CONTROL

CERTIFICATE OF TRAINING AT A MARYLAND DEPARTMENT OF THE ENVIRONMENT

SEDIMENT PRIOR TO BEGINNING THE PROJECT. I CERTIFY RIGHT-OF-ENTRY FOR

PERIODIC ON-SITE EVALUATION BY HOWARD COUNTY, THE HOWARD COUNTY SOIL

ENGINEER'S CERTIFICATE:

"I HEREBY CERTIFY THAT THIS PLAN HAS BEEN DESIGN IN ACCORDANCE WITH

ON MY PERSONAL KNOWLEDGE OF THE SITE, THAT IT WAS PREPARED IN

ACCORDANGE WITH THE REQUIREMENTS OF THE HOWARD COUNTY SOIL

CURRENT MARYLAND EROSION AND SEDIMENT CONTROL LAWS, REGULATIONS, AND STANDARDS, AND THAT IT REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED

(MDE) APPROVED TRAINING PROGRAM FOR THE CONTROL ON EROSION AND

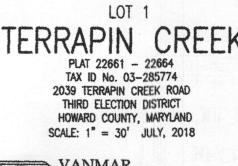
CONSERVATION DISTRICT, AND/OR MDE."

CONSERVATION DISTRICT."

RONALD E. THOMPSON, PA

"I/WE CERTIFY THAT CLEARING, GRADING, CONSTRUCTION, OR DEVELOPMENT

PLAN, INCLUDING INSPECTING AND MAINTAINING CONTROLS, AND THAT THE RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A



HO. CO. CONTROL

TAX ID No. 03-285774

VICINITY MAI

1. OBTAIN ALL REQUIRED GRADING, MDE PERMITS, APPROVALS AND LICENSES FROM

(410-313-1850) AT LEAST 24-HOURS PRIOR TO STARTING WORK (1 WEEK).

INSTALL REMAINING SEDIMENT AND EROSION CONTROL MEASURES (1 WEEK).

STABILIZE ALL DISTURBED AREAS PER PERMANENT STABILIZATION (1 WEEK).

NOTIFY HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS FOR FINAL

NOTE: STANDARD SILT FENCE IS TO BE REPLACED BY SSF

AT THE DIRECTION OF THE SEDIMENT CONTROL INSPECTOR

SCALE: 1"=2000"

2. NOTIFY HOWARD COUNTY CONSTRUCTION INSPECTION DIVISION

INSTALL STABILIZED CONSTRUCTION ENTRANCE (1 WEEK).

CONSTRUCT HOUSE AND SEPTIC SYSTEM (12 WEEKS).

INSPECTION OF COMPLETED PROJECT (1 WEEK).

SEQUENCE OF CONSTRUCTION

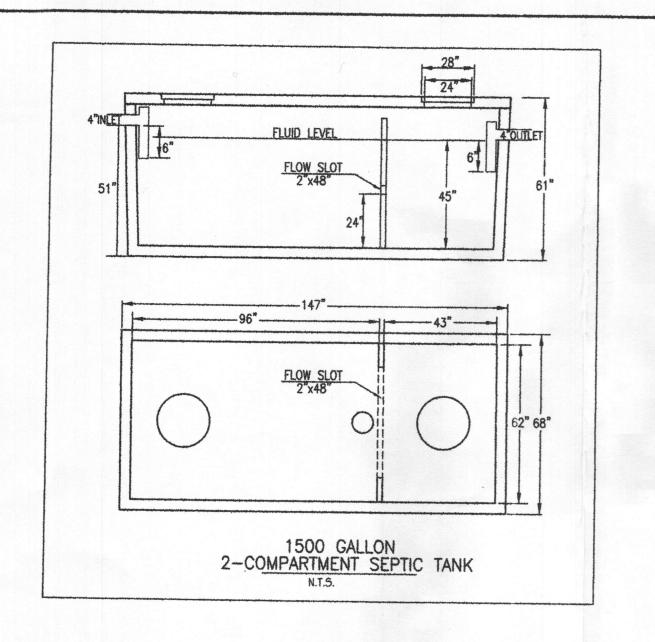
APPROPRIATE AGENCIES. (1 WEEK)

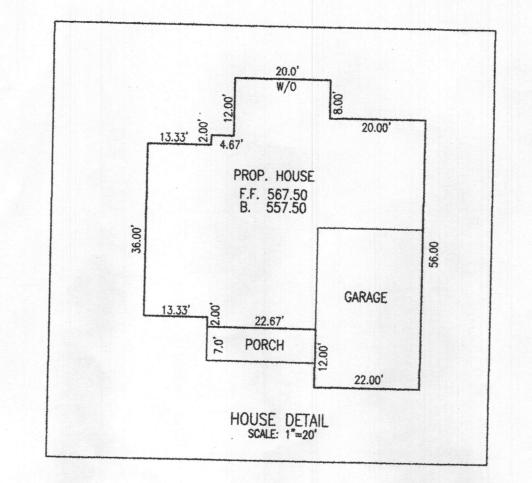
INSTALL DRIVEWAY PAVEMENT (2 WEEKS).

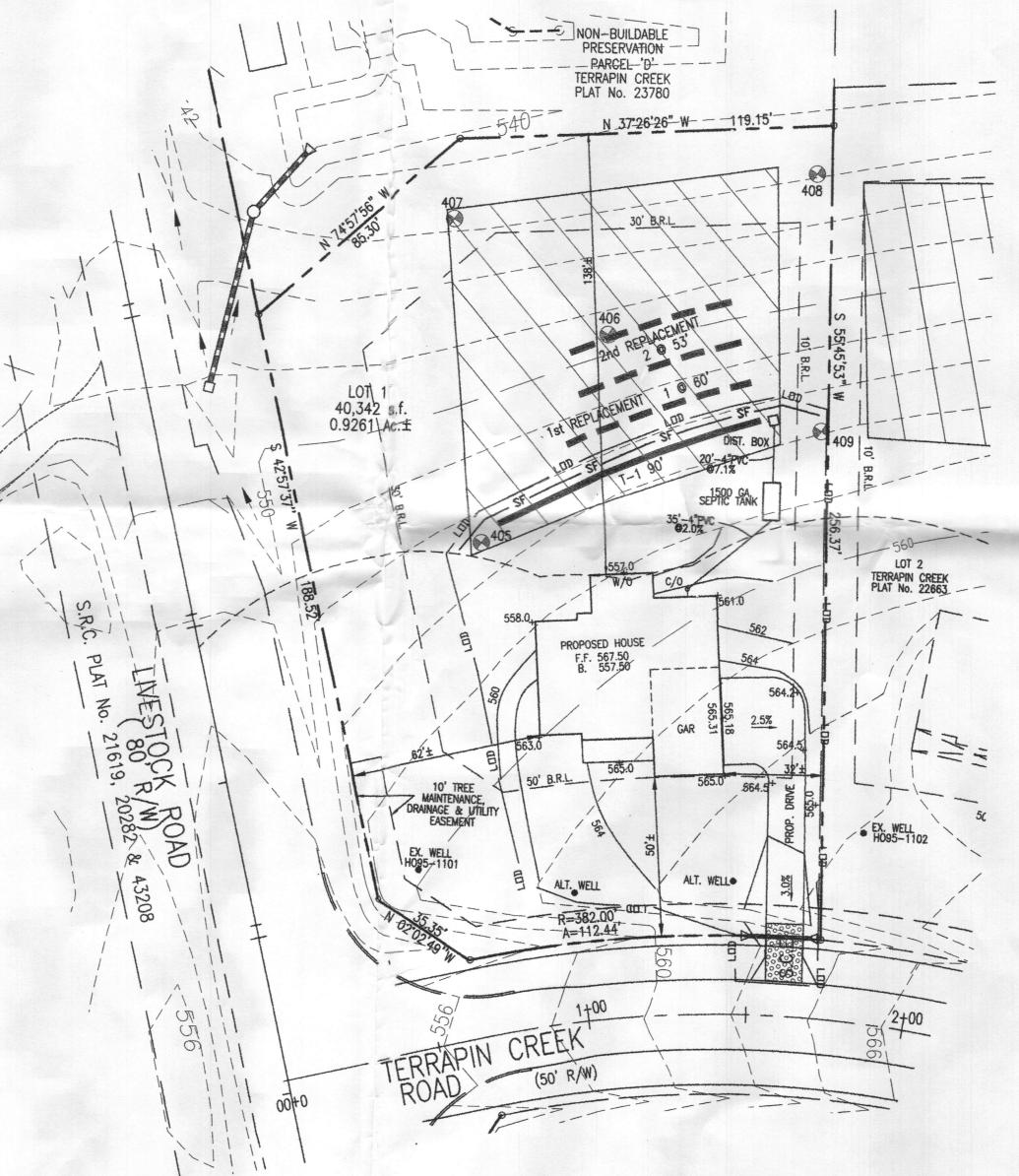
ASSOCIATES, INC. **Engineers Surveyors Planners** 310 South Main Street Mount Airy, Maryland 21771 (301) 829-2890 (301) 831-5015 (410) 549-2751 ©Copyright, Latest Date Shown

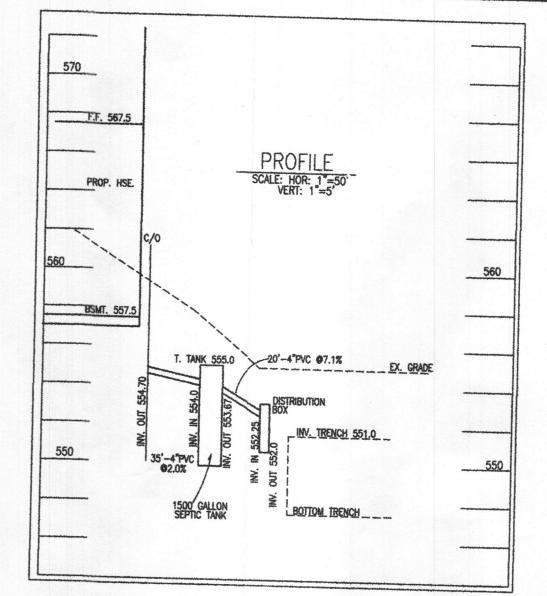
SHEET 1 OF 1

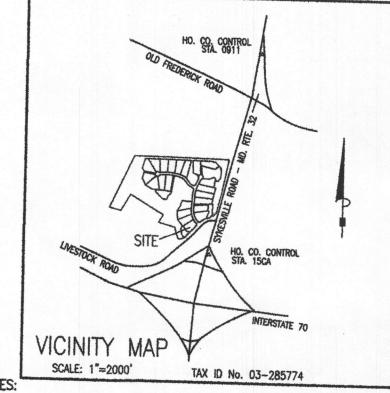
DATE











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.

2. 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) = 18,500 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.

SEPTIC SYSTEM TRENCH DESIGN

INITIAL NUMBER OF BEDROOMS = 4
APPLICATION RATE = 0.8 GPD / sq.ft.

DESIGN FLOW: 150 GPD X 4 BEDROOMS = 600 GPD
600 GPD / 0.8 GPD/sq.ft. = 750 sq.ft.
750 sq.ft. / 3 ft. WIDE TRENCH = 250 LF TRENCH
250 LF TRENCH X 0.36 REDUCTION CREDIT = 90 LF TRENCH
TRENCH 1 (T1) EX. GRD=555.0 -INV. TRENCH=551.0 -B. TRENCH=547.0

1st REPLACEMENT

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 0.36 REDUCTION CREDIT = 60 LF TRENCH

TRENCH 1 EX. GRD=553.0 -INV. TRENCH=549.0 -B. TRENCH=545

2nd REPLACEMENT

APPLICATION RATE = 0.8 GPD / sq.ft.

4FLOW: 150 GPD X 5 BEDROOMS = 600 GPD

600 GPD / 0.8 GPD/sq.ft. = 750 sq.ft.

750 sq.ft. / 3 ft. WIDE TRENCH = 250 LF TRENCH

250 LF TRENCH X 0.42 REDUCTION CREDIT = 105 LF TRENCH

TRENCH 1 EX. GRD=551.0 -INV. TRENCH=547.0 -B. TRENCH=543.0

TRENCH 2 EX. GRD=549.5-INV. TRENCH=545.5 -B. TRENCH=541.5

SITE PLAN NOTES:

 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.

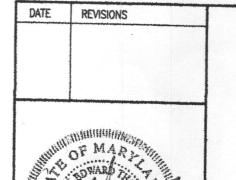
3. ELECTRICAL WORK FOR THE INSTALLATION MUST BE PERFORMED BY A LICENSED ELECTRICIAN.

4. THE WELL (TAG #HO-95-1101) HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.

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 tertify 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 Mayland, License No. 18417, Expiration Date: 9-18-19.



ON SITE SEWAGE DISPOSAL SYSTEM DESIGN PLAN

TERRAPIN CREEK

PLAT 22661 - 22664
TAX ID No. 03-285774

2039 TERRAPIN CREEK ROAD MILO COURT
THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' JULY, 2018

SHEET 1 OF 1

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