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INSP 2 7/20/04 Fina/12-3 INSP 5		
INSP 3 INSP 6		
ISSUE DATE: 6/15/2004	PERMIT	P 520420-A
APPROVAL DATE: 8/9/64	INDEXED	A 58993-Z

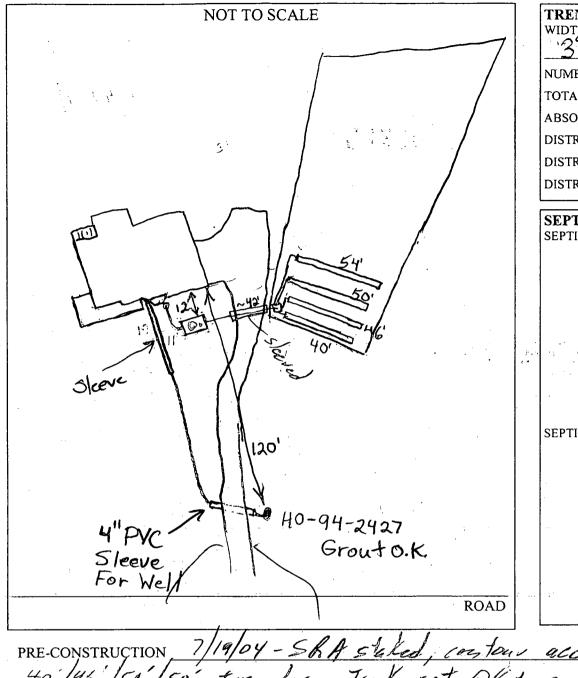
**ON-SITE SEWAGE DISPOSAL SYSTEM** HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH 3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MD 21043

Hatfields Equipmen	nt	IS PER	MITTED TO	INSTALL 🗵	ALTER
ADDRESS: 13785	Burntwoods Rd., Glene	elg	PHONE NUMBI	ER: <u>410</u> -	531-6773
SUBDIVISION: Car	ttail Ridge		LOT NUMBER:	_24	
ADDRESS: 3520 W	linding Path Ct.	PROPE	RTY OWNER:	Williamsbu	rg Group, LLC
SEPTIC TANK CAPACI	TY (GALLONS):	1500	OUTLET BAFF	LE FILTER R	EQUIRED 🗌
PUMP CHAMBER CAPA	ACITY (GALLONS):	N/A	COMPARTMEN	TED TANK R	EQUIRED 🗌
NUMBER OF BEDROOF	MS:	_5			
SQUARE FEET PER BE	DROOM:	_180			
LINEAR FEET OF TREM	NCH REQUIRED:	<u> 18</u>	HOUSE SERVE	D BY PUBLIC	C WATER
TRENCHES:  Trench to be 3.0 feet wide. Inlet 3.0 feet below original grade. Bottom maximum depth 5.0 feet below original grade. Effective area begins at 3.0 feet below original grade. 2.0 feet of stone below distribution pipe.					
LOCATION:	Place the distribution box at the	he highest ele	evation in the SDA.		
NOTES:	Make sure to sleeve the pipe t	that is going to	nder the driveway.	ewell.	
PLANS APPROVED:	кв/јав / К			DATE:	2/18/04
NOTES: PERMIT VOID AFTER 2 YEARS  CONTRACTOR IS RESPONSIBLE FOR SCHEDULING A PRE-CONSTRUCTION INSPECTION FOR ALL INSTALLATIONS  WATERTIGHT SEPTIC TANKS REQUIRED  ALL PARTS OF SEPTIC SYSTEM SHALL BE 100 FEET FROM ANY WATER WELL UNLESS SPECIFICALLY AUTHORIZED  MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS UNLESS SPECIFICALLY AUTHORIZED					

NEITHER THE HOWARD COUNTY COUNCIL OR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT

CALL 410-313-2640 FOR INSPECTION OF SEPTIC SYSTEM BUILDING PERMIT SIGNED AVE ANY REQUEST FOR INSPECTION ON VOICEMAIL

AND RETURNED
1-4-05 BOD 151760-GARAGE +DECK



ſ	TRENCH/D	RAINI	FIELD	DAT	ΓΔ	Ϊ.
	WIDTH	INLET	Γ	BOT	TOM	
	3	$3^{\circ}$		_5	· ~-	
	NUMBER OF	TRENC	HES _	4		
	TOTAL LENG		190		<del>4</del> 5	
	ABSORPTION	AREA	570	+5	idewe	11
- 1	DISTRIBUTIO					
	DISTRIBUTIO	N BOX	BAFFL	E <u>C</u>	overe	d
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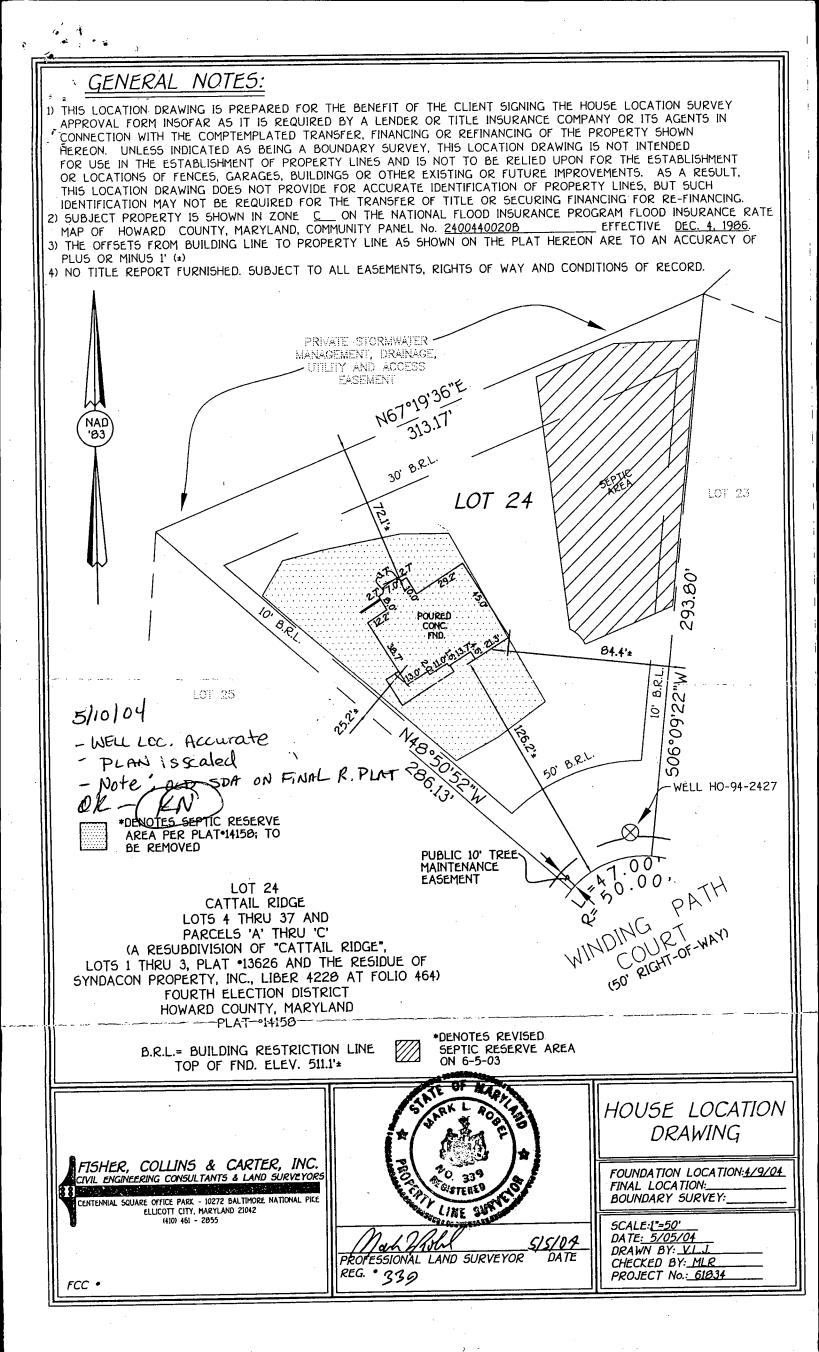
SEPTIC TANK DATA
SEPTIC TANK 1 LEVEL
CAPACITY 1500 GAL
SEAM LOC TOPO
TANK LID DEPTH
BAFFLES
BAFFLE FILTER
MANHOLE LOC Conten
6" PORT LOC Front
WATERTIGHT TEST
SEPTIC TANK 2 LEVEL NA
CAPACITY GAL
SEAM LOC
TANK LID DEPTH
BAFFLES /
BAFFLE FILTER
MANHOLE LOC
6" PORT LOC
WATERTIGHT TEST

PRE-CONSTRUCTION 7/19/04 - Shift stakes, constant accounte Install 40/46/50/50 translas Tank set Dl 10 courtes

INSTALLATION 7/20/04 System partially covered. Kacin gave O.K. to cover because there was a scheduling screw-up, Welling crossing on top of septicibine. Linea must be rerouted. I took the measurements I could. French lengths given by Hottields BB 7/22/04 Septicibine fine renovated. Slewe well line with 10 past septic tank. Note left on well for plumber. Stell need connection through wall. BB GENDIZ TENSION DIVISION STELLINGS DIVISION DIVISIONI DIVISIONI

FINAL INSPECTOR B. Baker

DATE OF APPROVAL 8/9/04



D. Seed Specifications

E. Methods of Seeding

I. All seed must neet the requirements of the Maryland State Seed Law. All seed shall be subject to

Note: Seed tans shall be made available to the inspector to verify type and rate of seed used

immediately preceding the date of sowing such material on this job.

P205 (phosphorous); 200 lbs/ac; K20 (potassium); 200 lbs/ac.

time. Do not use burnt or hydrated line when hydroseeding.

1. Dry Seeding: This includes use of conventional drop or broadcast spreaders.

M. Drill or Cultipacker Seeding: Mechanized seeders that apply and cover seed with soil.

least 1/4 Inch of soil covering. Seedibed must be firm after planting.

a. VCFM shall consist of specially prepared wood cellulose processed into a uniform

VCFN, including dye, shall contain no germination or growth inhibiting factors.

--- f. VCFN must conform to the following physical requirements: Fiber length to

to be used, the rate should be increased to 2.5 tons/acre.

of wood cellulose fiber per 100 gallons of water.

preference), depending upon size of area and erosion hazards

land, this practice should be used on the contour if possible.

content of 1.6% maximum and water holding capacity of 90% minimum.

**G.** Mulching Seeded Areas - Mulch shall be applied to all seeded areas immediately after seeding.

Note: Only sterile straw mulch should be used in areas where one species of grass is desired.

VCFM naterials shall be nanufactured and processed in such a nanner that the

wood cellulose fiber nulch will remain in uniform suspension in water under agitation

The mulch material shall form a blotter-like ground cover, on application, having

approximately 10 nm., diameter approximately 1 nm., pH range of 4.0 to 8.5, ash

i If grading is completed outside of the seeding season, mulch along shall be applied as prescribed

in this section and maintained until the seeding season returns and seeding can be performed in

IL When straw mulch is used, it shall be spread over all seeded areas at the rate of 2 tons/acre. Mulch

uniform distribution and depth so that the soil surface is not exposed. If a mulch anchoring tool is

shall be applied to a uniform loose depth of between 1° and 2°. Mulch applied shall achieve a

III. Vood cellulose fiber used as a mulch shall be applied at a net dry weight of 1,500 lbs. per acre. The

H. Securing Straw Mulch (Mulch Anchoring): Mulch anchoring shall be performed immediately following mulch

into the soil surface a minimum of two (2) inches. This practice is most effective on large

ii. Wood cellulose fiber may be used for anchoring straw. The fiber binder shall be applied at a net dry weight of 750 pounds/acre. The wood cellulose fiber shall be mixed with water and

the mixture shall contain a maximum of 50 pounds of wood cellulose fiber per 100 gallons

III. Application of liquid binders should be heavier at the edges where wind catches muich, such as

II, Terra Tack AR or other approved equal may be used at rates recommended by the

iv. Lightweight plastic netting may be stapled over the mulch according to manufacturer's recon-

In valleys and crest of banks. The remainder of area should be appear uniform after binder

application. Synthetic binders - such as Acrylic DLR (Agro-Tack), DCA-70 Petroset, Terra Tax

nendations. Netting is usually available in rolls 4' to 15' feet wide and 300 to 3,000 feet long.

SECTION 3 - PERMANENT SEEDING

1. Select one or more of the species or mixtures listed in Table 25 for the appropriate Plant Hardiness

Zone (from Figure 5) and enter them in the Permanent Seeding Summary below, along with application

rates and seeding dates. Seeding depths can be estimated using Table 26. If this summary is not put

specifications for exceptional sites such as shorelines, streambanks, or dunes or for special purpose

such as wildlife or aesthetic treatnent nay be found in USDA-SCS Techinical Field Office Guide, Section

(150 lbs/ac), in addition to the above soil amendments shown in the table below, to be performed at

MINIMUM 6" DF 2"-3" AGGREGATE

OVER LENGTH AND WIDTH OF

STRUCTURE

**¥** 50′ MINIMUM

LENGTH

Construction Specification

2. Width - 10' ninimum, should be flared at the existing road to provide a turning

3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior

4. Stone - crushed aggregate (2" to 3") or reclaimed or recycled concrete

to placing stone. \*\*The plan approval authority may not require single family

equivalent shall be placed at least 6" deep over the length and width of the

5. Surface Water - all surface water flowing to or diverted toward construction

entrances shall be piped through the entrance, maintaining positive drainage. Pipe

installed through the stabilized construction entrance shall be protected with a

has no drainage to convey a pipe will not be necessary. Pipe should be sized

6. Location - A stabilized construction entrance shall be located at every point

according to the amount of runoff to be conveyed. A 6' minimum will be required

where construction traffic enters or leaves a construction site. Vehicles leaving

the site must travel over the entire length of the stabilized construction entrance.

STABILIZED CONSTRUCTION ENTRANCE

NOT TO SCALE

mountable bern with 51 slopes and a minimum of 6' of stone over the pipe. Pipe has

to be sized according to the drainage. When the SCE is located at a high spot and

PROFILE

PLAN VIEW

1. Length - minimum of 50' (\*30' for single residence lot).

residences to use geotextile

II. For sites having disturbed area over 5 areas, the rates shown on this table shall be deleted and the

# For areas receiving low maintenance, apply ureaform fertilizer (46-0-0) at 3 1/2 lbs/1000 sq. ft.

rates recommended by the soil testing agency shall be written in.

342 - Critical Area Planting. For special lawn maintenance areas, see Sections IV Sod and V Turfgrass.

Seeding grass and legunes to establish groung cover for a minimum of one year on disturbed areas

L. A mulch anchoring tool is a tractor drawn indepent designed to punch and anchor mulch

wood cellulose fiber shall be nixed with water, and the nixture shall contain a naximum of 50 lbs.

application to minimize loss by wind or water. This may be done by one of the following nethods (listed by

reas, but is limited to flatter slopes where equipment can operate safely. If used on sloping

and will blend with seed, fertilizer and other additives to form a honogeneous slurry

moisture absorption and percolation properties and shall cover and hold grass seed in contact with the soil without inhibiting the growth of the grass seedlings.

VCFM shall be dyed green or contain a green dye in the package that will provide

appropriate color to facilitate visual inspection of the uniformly spread sturry

Apply half the seeding rate in each direction.

Apply half the seeding rate in each direction.

or drop seeded, or a cultipacker seeder.

without interruption.

F. Mulch Specifications (In order of preference)

II. Wood Cellulose Fiber Mulch (WCFID

will be phytol-toxic.

accordance with these specifications.

generally receiving low maintenance.

A. Seed nixtures - Permanent Seeding

the time of seeding.

\*\* GEDTEXTILE CLASS 'C'

DR BETTER

re-testing by a recognized seed laboratory. All seed used shall have been tested within the 6 months

the date indicated on the container. Add fresh inoculant as directed on 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°-80° F. can weaken bacteria and nake the inoculant less effective

i. Hydroseeding: Apply seed uniformly with hydroseeder (slurry includes seed and fertilizer), broadcast

a. If fertilizer is being applied at the time of seeding, the application rates amounts will not

b. Line - use only ground agricultural linestone, (Up to 3 tons per acre may be applied by

. Seed and fertilizer shall be nixed on site and seeding shall be done innediately and

L. Seed spread dry shall be incorporated into the subsoil at the rates prescribed on the

Temporary or Permanent Seeding Summaries or Tables 265 or 26. The seeded area

Cultipacking seeders are required to bury the seed in such a fashion as to provide at

Straw shall consist of thoroughly threshed wheat, rye or oat straw, reasonable bright in color, and shall

not be nusty, noldy, caked, decayed, or excessively dusty and shall be free of noxious weed seeds as specified in the Maryland Seed Law.

b. Where practical, seed should be applied in two directions perpendicular to each other.

shall then be rolled with a weighted roller to provide good seed to soil contact.

Where practical, seed should be applied in two directions perpendicular to each other

exceed the following: nitrogen; maximum of 100 lbs. per acre total of soluble nitrogen;

hydroseeding). Normally, not more than 2 tons are applied by hydroseeding at any one

I. Inoculant - The inoculant for treating legure seed in the seed rixtures shall be a pure culture of nitrogen-fixing bacteria prepared specifically for the species. Inoculants shall not be used later than

Using vegetation as cover for barren soil to protect it from forces that cause erosion

Vegetative stabilization specifications are used to pronote the establishment of vegetation on exposed soil. When soil is stabilized with vegetation, the soil is less likely to erode and nore likely to allow infiltration of rainfall, thereby reducing sediment loads and run-off to downstream areas, and improving wildlife habitat and visual resources. CONDITIONS WHERE PRACTICE APPLIES

This practice shall be used on denuded areas as specified on the plans and may be used on highly erodible or critically eroding areas. This specification is divided into Temporary Seeding, to quickly establish vegetative cover for short duration Diup to one year), and Pernanent Seeding, for long term vegetative cover. Examples of applicable areas for Temporary Seeding are temporary Soil Stockpiles, cleared areas being left idle between construction mases, earth dikes, etc. and for Permanent Seeding are lawns, dans, cut and fill stopes and other areas at final grade, forner stockpile and staging areas, etc. EFFECTS ON WATER QUALITY AND QUANTITY

Planting vegetation in disturbed areas will have an effect on the water budget, especially on volumes and rates of runoff, infiltration evaporation, transpiration, percolation, and groundwater recharge. Vegetation, over time, will increase organic matter content and improve the water holding capacity of the soil and subsequent plant growth. Vegetation will help reduce the movement of sediment, nutrients, and other chemicals carried by runoff to receiving waters. Plants will also help protect groundwater supplies by assimilating those substances present within the root zone.

Sediment control devices must remain in place during grading, seedbed preparation, seeding, mulching and vegetative establishment to prevent large quantities of sediment and associated chemicals and nutrients from washing into surface waters. SECTION 1 - VEGETATIVE STABILIZATION METHODS AND MATERIALS

- A. Site Preparation 1. Install erosion and sediment control structures (either temporary of permanent) such as diversions. grade stabilization structures, berns, waterways, or sediment control basins.
- ii. Perform all grading operations at right angles to the slope. Final grading and shaping is not usually necessary for temporary seeding.
- III. Schedule required soil tests to determine soil arendment composition and application rates for sites having disturbed area over 5 acres. Sall Amendments (Fertilizer and Line Specifications
- L Soll tests must be performed to determine the exact ratios and application rates for both line and fertilizer on sites having disturbed areas over 5 acres. Soil analysis may be performed by the University of Maryland or a recognized connercial laboratory. Soil samples taken for engineering
- purposes may also be used for chemical analyses. il. Fertilizers shall be uniform in composition, free flowing and suitable for accurate application b approved equipment. Manure may be substituted for fertilizer with prior approval from the appropriate approval authority. Fertilizers shall all be delivered to the site fully labeled according to the applicable state fertilizer laws and shall bear the name, trade name or trademark and warrantee of the producer.
- III. Line naterials shall be ground linestone (hydrated or burnt line may be substituted) which contains at least 50% total oxides (calcium oxide plus magnesium oxide). Linestone shall be ground to such fineness that at least 50% will pass through a #100 mesh sieve and 98-100% will pass through a #20
- lv. Incorporate line and fertilizer into the top 3-5' of soil by disking or other suitable neans. Seedbed Preparation
- . Temporary Seeding a. Seedbed preparation shall consist of loosening soil to a depth of 3' to 5' by means of suitable applicational or construction equipment, such as disc harmons on chisel plans or rippers nounted on construction equipment. After the soil is loosened it should not be rolled or dragged snooth, but left in the roughened condition. Sloped areas (greater than 31) should be tracked leaving the surface in an irregular condition with ridges running parallel to the contour of the slope.
- b. Apoly fertilizer and line as prescribed on the plans In corporate line and fertilizer into the top 3-5° of soil by disking or other suitable neans.
- a. Minimum soil conditions required for permanent vegetative establishment Soil pH shall be between 6.0 and 7.0.
- 2. Soluble salts shall be less than 500 parts per million (ppn) 3. The soil shall contain less than 40% clay, but enough fine grained naterial 030% silt plus clay) to provide the capacity to hold a moderate amount of moisture. An exception is if lovegrass or serecia lespedezas is to be planted, then a sandy soil (<30% sitt
- plus clay) would be acceptable. 4. Soil shall contain 1.5% minimum organic matter by weight.
- 5. Soil must contain sufficient pore space to permit adequate root penetration 6. If these conditions cannot be net by soils on site, adding topsoil is required in accordance with Section 21 Standard and Specification for Topsoil.
- . Areas previously graded in conformance with the drawings shall be maintained in a true and even grade, then scarified or otherwise loosened to a depth of 3-5' to permit bonding of the topsoil to the surface area and to create horizontal erosion check slots to prevent topsoil to the surface area and to create horizontal enasion check slots to prevent topsol from stiding down a stope.
- . Apply soll amendments as per soll test or as included on the plans. d. Mix soil amendments into the top 3-5° of topsoil by disking or other suitable means. Lawn areas should be raked to smooth the surface, remove large objects like stones and branches, and ready the area for seed and application. Where site conditions will not permit normal seedbed preparation, loosen surface soil by dragging with a heavy chain or other equipment to roughen the surface. Steep slopes (steeper than 31) should be tracked by a dozer leaving the soil in an irregular condition with ridges running parallel to the contour of the slope. The top 1-3' of soil should be loose and friable. Seedled loosening may not be necessary on
- newly disturbed areas. Incremental Stabilization - Cut Slopes i. All cuts slopes shall be dressed, prepared, seeded and mulched as the work progresses. Slope: shall be excavated and stabilized in equal increments not to exceed 15'
- II. Construction sequence (Refer to Figure 3 below): a. Excavate and stabilize all temporary smales, side ditches, or berns that will b
- used to convey runoff from the excavation. b. Perform Phase 1 excavation, dress, and stabilize
- c. Perform Phase 2 excavation, dress and stabilize. Overseed Phase 1 areas as
- d. Perform final phase excavation, dress and stabilize. Dverseed previously seeded
- Note: Dince excavation has begun the operation should be continuous from grubbing through the completion of grading and placement of topsoil (If required) and permanent seed and mulch. Any interruptions int he operation of completing the operation
- out of the seeding season will necessitate the application of temporary stabilization Incremental Stabilization of Embankments - Fill Slope: i. Embankments shall be constructed in lifts as prescribed on the plans.
- I. Slages shall be stabilized imediately when the vertical height of the multiple lifts reaches 15', or when the grading operation ceases as prescribed in the plans. ii. At the end of each day, tenporary berns and pipe slope drains should be constructed along the top edge
- a sedinent trapping device.

  Iv. Construction sequence: Refer to Figure 4 (below). a. Excavate and stabilize all temporary smales, side ditches, or berns that will be used to divert runoff around the fill. Construct slope silt fence on low side of fill as shown
- in Figure 5, unless other nethods shown on the plans address this area. b. Place Phase 1 enbankment, dress and stabilize.
- Place Phase 2 embankment, dress and stabilize.
- d. Place final phase embankment, dress and stabilize. Dverseed previously seeded Noter --- Once the placement of fill has begun the operation should be continuous from grubbing through the completion of grading

and placement of topsoil (if required) and permanent seed and nulch. any interruptions in the operation or completing the operation out of the seeding season will necessitate the application of temporary stabilization.

#### SECTION 2 - TEMPORARY SEEDING

For longer duration of vegetative cover, Permanent Seeding is required. A. Seed mixtures - Temporary Seeding i. Select one or more of the species or mixtures listed in Table 26 for the appropriate Plant

Vegetation - annual grass or grain used to provide cover on disturbed areas for up to 12 months.

Hardiness Zone (from Figure 5) and enter then in the Temporary seeding summary below, along with application rates, seeding dates and seeding depths. If this summary is not put on the plans and completed, then Table 26 must be put on the plans.

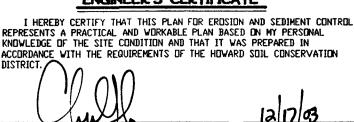
1. For sites having soil tests performed, the rates shown on this table shall be deleted and the rates recommended by the testing agency shall be written in. Sail tests are not required for Temporary Seeding.

#### SEQUENCE OF CONSTRUCTION

1. IIBTAIN GRADING PERNIT 2. INSTALL SEDIMENT AND EROSION CONTROL DEVICES AS SHOWN ON PLAN 7 DAYS

AND PERMISSION IS GRANTED BY E/S CONTROL INSPECTOR.

- 3. CLEAR AND GRUB TO LIMITS OF DISTURBANCE 4. INSTALL TEMPURARY SEEDING
- 5. CONSTRUCT BUILDINGS 6. FINE GRADE SITE AND INSTALL PERMANENT SEEDING AND LANDSCAPE 14 DAYS 7. REMOVE SEDIMENT CONTROL DEVICES AS UPLAND AREAS ARE STABILIZED
- ENGINEER'S CERTIFICATE



DEVELOPER'S CERTIFICATE "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF PROGRAM FOR THE DONTROL OF SEDIMENT AND EROSION BEFORE
BEGINNING THE FROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION
BY THE HOWARD SOUL GONSEN ATOM DISTRICT.

STANDARDS AND SPECIFICATIONS FOR TOPSOIL

Placement of topsoil over a prepared subsoil prior to establishment of permanent vegetation. Purpose

To provide a suitable soil nedium for vegetative growth. Soils of concern have low moisture content, low nutrient levels, low pH, materials toxic to plants, and/or unacceptable soil gradation. Conditions Where Practice Applies

1. This practice is linited to areas having 2:1 or flatter slopes where: a. The texture of the exposed subsoll/parent material is not adequate to produce vegetative growth. b. The soil naterial is so shallow that the rooting zone is not deep enough to support plants or furnish continuing supplies of noisture and plant nutrients. c. The original soil to be vegetated contains naterial toxic to plant growth. d. The soil is so acidic that treatment with linestone is not feasible.

II. For the purpose of these Standards and Specifications, areas having slopes steeper than 21 require special consideration and design for adequate stabilization. Areas having stopes steeper than 21 shall have the appropriate stabilization shown on the plans. Construction and Material Specifications

I. Topsoll salvaged from the existing site may be used provided that it neets the standards as set forth in these specifications. Typically, the depth of topsoll to be salvaged for a given soil type can be found in the representative soil profile section in the Soil Survey published by USDA-SCS in consistent of the Manufacture Company of the Soil Survey published by USDA-SCS in II. Topsol Specifications - Soil to be used as topsoil must neet the following: i. Topsoil shall be a loan, sandy loan, clay loan, sit loan, sandy clay loan, loany sand lither soils may be used if recommended by an agronomist or soil scientist and approved by the appropriate approval authority. Regardless, topsoil shall not be a nixture of contrasting textured subsoils and shall contain less than 5% by volume of cinders, stones, slag, coarse

IL Topsoil must be free of plants or plant parts such as bermuda grass, quackgrass, Johnson grass, nutsedge, polson lvy, thistie, or others as specified II. Where the subsoil is either highly acidic or composed of heavy clays, ground linestone shall be spread at the rate of 4-8 tons/acre (200-400 pounds per 1,000 square feet) prior to the placement of topsoil. Line shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations as described in the following procedures.

fragments, gravel, sticks, roots, trash, or other materials larger than 11/2' in diameter

II. For sites having, disturbed areas under 5 acres I. Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization – Section I – Vegetative Stabilization Methods and Materials.

III. For sites having disturbed areas over 5 acresi On soil neeting Topsoil specifications, obtain test results dictating fertilizer and line amendments required to bring the soil into compliance with the following: a. pH for topsoil shall be between 6.0 and 7.5. If the tested soil demonstrates a pH of less than 6.0, sufficient line shall be prescribed to raise the pH to 6.5 or higher. b. Organic content of topsoil shall be not less than 1.5 percent by weight. c. Topsoil having soluble salt content greater than 500 parts per million shall not be used. d. No sad or seed shall be placed on sall which has been treated with sall sterilants or

chemicals used for weed control until sufficient time has elapsed (14 days min.) to permit dissipation of phyto-toxic materials. Note: Topsoil substitutes or anendments, as recommended by a qualified agronomist or soil scientist and approved by the appropriate approval authority, may be used in Neu of natural topsoils. il Place topsoil (if required) and apply soil amendments as specified in 20.0 Vegetative Stabilization – Section I – Vegetative Stabilization Methods and Materials. V. Topsoll Application

i. When top soling, maintain needed erosion and sediment control practices such as diversions, Grade Stabilization Structures, Earth Dikes, Slope Silt Fence and Sediment Traps and Basins. il Grades on the areas to be top solled, which have been previously established, shall be iii. Topsoil shall be uniformly distributed in a 4' - 8' layer and lightly compacted to a ninhum

thickness of 4'. Spreading shall be performed in such a nanner that sodding or seeding can proceed with a minimum of additional soil preparation and tillage. Any irregularities in the surface resulting from top soiling or other operations shall be corrected in order to prevent the formation of depressions or water pockets, Iv. Topsoil shall not be placed while 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

VL Alternative for Permanent Seeding - Instead of applying the full amounts of line and commercial fertilizer, composted studge and amendments may be applied as specified below i. Composted Studge Material for use as a soll conditioner for sites having disturbed areas over 5 acres shall be tested to prescribe amendments and for sites having disturbed areas under 5 acres shall conform to the following requirements:

grading and seedbed preparation.

GROUND SURFACE

LAYER MIRAFI IN

a. Composted sludge shall be supplied by, or originate from, a person or persons that are permitted (at the time of acquisition of the compost) by the Maryland Department of the Environment under CDMAR 26.04.06. b. Composted sludge shall contain at least I percent nitrogen, 1.5 percent phosphorus, and 0.2 percent potassium and have a Ph of 7.0 to 8.0. If compost does not neet these requirements,

he appropriate constituents must be added to meet the requirements prior to use. c. Composted studge shall be applied at a rate of I ton/1,000 square feet. iv. Composted sludge shall be amended with a potassium fertilizer applied at the rate of 4 lb/1,000 square feet, and 1/3 the normal line application rate. References: Guideline Specifications, Soil Preparation and Sodding, MD-VA, Pulo. HI, Cooperative

WITH 1 LAYER OF MIRAFI -MCF 1212 OR EQUIVALENT

OVER UPHILL SIDE OF FENCE

Extension Service, University of Maryland and Virginia Polytechnic Institutes, Revised 197

SEDIMENT CONTROL NOTES

NECESSARY BY THE HUVARU COUNTY SEDIMENT CONTROL INSPECTOR.

10) ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

11) TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE PIPE

LENGHTS OR THAT WHICH SHALL BE BACK-FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.

PERMANENT SEEDING NOTES ) A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY Apply to graded or cleared areas not subject to immediate further DEPARTMENT OF INSPECTIONS, LISCENSES AND PERMITS, SEDIMENT CONTROL
BIVISION PRIOR TO THE START OF ANY CONSTRUCTION (313-1855).

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 MUST CURRENT MARYLAND STANDARDS AND SPECIFICATIONS
FOR SOIL ERISSION AND SEDIMENT CONTROL AND REVISIONS THERETO.

2) EDILEMINE INITIAL SOIL DISCIPIEDANCE OF DEPARTMENT. disturbance where a permanent long-lived vegetative cover is needed Seedbed Preparation: Loosen upper three inches of soil by raking. discing or other acceptable means before seeding, if not previously

FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED VITHIN 6) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, Soil Amendments: In lieu of soil test recommendations, use one of the following schedules DIKES, PERINETER SLOPES AND ALL SLOPES STEEPER THAN 31, b) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE. 1) Preferred - Apply 2 tons per acre dolonitic Thestone 192 tbs. per 1000 sq.ft.) and 600 lbs. per acre 10-10-10 fertilizer (14 lbs. per 1000 sq.ft.) before seeding. Harrow or disc into

AS 1U ALL DIFER DISTURBED OF GRADED AREAS ON THE PROJECT SITE.

4) ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING
SIGNS POSTED AROUND THEIR PERINETER IN ACCORDANCE WITH VOL. 1,
CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.

5) ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD
SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS
AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR
PERMANENT SEEDING (SEC. 5D.), SID (SEC. 54), TEMPORARY SEEDING (SEC. 50),
AND MILICULUS (SEC. 52), COMPORADY STABILIZATION LITTLE MILICULAI DRES CAMupper three inches of soil. At time of seeding, apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs. per 1000 sq.ft.). 2) Acceptable - Apply 2 tons per acre dolonitic linestone (92 lbs. per 1000 sq.ft.) and 1000 lbs. per acre 10-10-10 fertilizer (23 AND MULCHING (SEC. 52). TEMPORARY STABILIZATION WITH MULCH ALDNE CAN DNLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER lbs. per 1000 sq.ft.) before seeding. Harrow or disc into RMINATION AND ESTABLISHMENT OF GRASSES.

upper three inches of soll. S) ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR Seeding : For the period Norch 1 thru April 30 and from August 1 THEIR REMOVAL HAS BEEN DISTAINED FROM THE HOWARD COUNTY SEDEMENT thru Dctober 15, seed with 60 lbs. per acre (1.4 lbs. per 1000 sq.ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed TOTAL AREA OF SITE
AREA DISTURBED
AREA TO BE ROOFED OR PAVED
AREA TO BE VEGETATIVELY STABILIZED

with 60 lbs. Kentucky 31 Tall Fescue per acre and 2 lbs. per acre (0.05 lbs. per 1000 sq.ft.) of weeping lovegrass. During the period October 16 thru February 28, protect site by one of the following 1) 2 tons per acre of well-anchored mulch straw and seed as soon B) ANY SEDIMENT CONTROL PRACTICE VHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE as possible in the spring. SAME DAY OF DISTURBANCE.

ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.

with 2 tons per acre well anchored straw. Mulching : Apply 1-1/2 to 2 tons per ocre (70 to 90 lbs. per 1000 saft) of unrotted small grain straw immediately after seeding.

flat areas. In slopes, 8 ft. or higher, use 347 gal. per acre (8 gal. per 1000 sq.ft.) for anchoring. Maintenance: Inspect all seeded areas and make needed repairs

472----replacements and reseedings.

TEMPORARY SEEDING NOTES Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

Seedbed Preparation: Loosen upper three inches of soil by raking. discing or other acceptable means before seeding, if not previously Soil Amendments : Apply 600 lbs. per acre 10-10-10 fertilizer (14

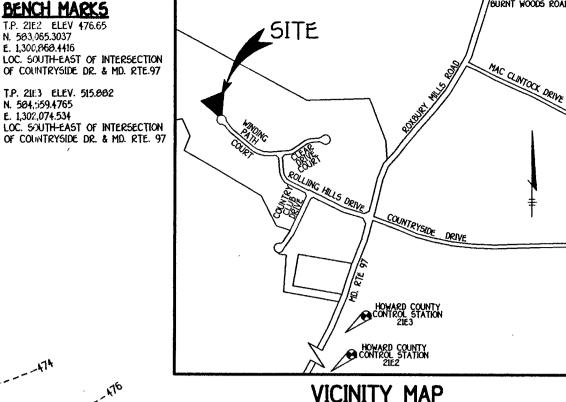
Seeding 1 For periods March 1 thru April 30 and from August 15 thru November 15, seed with 2-1/2 bushels per acre of annual rye (3.2 lbs. per 1000 sq.ft.). For the period May 1 thru August 14, seed with 3 lbs. per acre of weeping lovegrass (0.07 lbs. per 1000 saft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Mulching : Apoly 1-1/2 to 2 tons per acre (70 to 90 lbs. per 1000 saft) of unrotted small grain straw immediately after seeding. Anchor mulch innediately after application using mulch anchoring tool or 218 gal, per acre (5 gal, per 1000 saft) of enulsified asphalt on flat areas. On slopes, 8 ft. or higher, use 347 gal per acre (8 gal. per 1000 sq.ft.) for anchoring.

Refer to the 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL ERDSION AND SEDIMENT CONTROL for rate and nethods not covered.

2) Use sod 3) Seed with 60 lbs. per acre Kentucky 31 Tall Fescue and mulch

Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal, per 1000 sq.ft.) of emulsified asphalt on



VICINITY MAP 5CALE: 1"=2000

\_\_\_\_\_486

BENCH MARKS

N 583,065,3037

E. 1.300.868.4416

N. 584.559.4765

E. 1.302.074.534

\_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_\_ \_\_\_\_\_ N-526600 / \_\_\_\_\_\_ `----

506----

504----

FMRED MIRAFI BOTTOM OF 14' MIN. WIDE TRENCH STANDARD SYMBOL \*CROSS-SECTION SECTION VIEW CONSTRUCTION SPECIFICATIONS 1. FENCING SHALL BE 42" HIGH CHAIN CONSTRUCTED IN ACCORDANCE WITH THE LATEST STRIPS WHERE TWO OF MARYLAND STATE HIGHWAY ADMINISTRATION STANDARD DETAILS 690.01 AND 690.02 MORE STRIP WIDTHS ARE

STAPLE DUTSIDE EDGE OF MAITING

FOR CHAIN U FENCING. THE SPECIFICATIONS FOR A 6'-0' FENCE SHALL BE USED, SUBSTITUTING 42' FABRIC AND 8' POSTS. POSTS SHALL BE PLACED WITHOUT 2. CHAIN LINK FENCE SHALL BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. THE LOWER TENSION WIRE, BRACE AND TRUSS RODS, ANCHORS AND POST CAPS ARE NOT REQUIRED EXCEPT ON THE ENDS OF THE FENCE. 3. FILTER CLOTH TO BE FASTENED SECURELY TO CHAIN LINK FENCE WITH TIES

SPACED EVERY 24' AT TOP AND MID SECTION. 4. FILTER CLOTH SHALL BE IMBEDDED A MINIMUM OF 9° INTO THE GROUND. 5. WHEN TWO SECTIONS OF DIVERSION CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. 6. MAINTENANCE SHALL BE PERFORMED AS NEEDED

Fabric Properties Grab Tensile Strength (lbs.) ASTM D1682 Mullen Burst Strength (PSI) ASTM D3786 Slurry Flow Rate (gal/min/sf) DOT VTM-51 Equivalent Opening Size US Std Sleve Utraviolet Radiation Stability (%)

200 feet

100 feet

Design Criteria Slope Length Silt Fence Length (maximum) (maximum) 0 - 10:1 Unlimited 400 feet 20 - 33% 54 - 34 300 feet 1.000 feet

2:1 +

SUPER SILT FENCE spaced 6' apart in a staggered pattern on either side.

6. The discharge end of the matting liner should be similarly secured with 2 double rows of staples. NOT TO SCALE Note: If flow will enter from the edge of the matting then the area effected by the flow must be keyed—in. EROSION CONTROL MATTING

as the property of pasts of the control of the cont

21/2" DIAMETER

IR ALUMINUM

LEGEND DESCRIPTION ---- EXISTING CONTOUR 2' INTERVAL +502.5 | SPOT ELEVATION -SF-SF- SILT FENCE WOB > PROPOSED WALKOUT

BUILDER/DEVELOPER WILLIAMSBURG GROUP, LLC

1. SUBJECT PROPERTY IS ZONED RC-DEO PER 10/18/93 COMPREHENSIVE ZONING PLAN. TOTAL AREA OF SITE: 1.054 AC. TOPOGRAPHY IS BASED ON FIELD RUN SURVEY PREPARED BY FISHER, COLLINS & CARTER,INC., OCTOBER, 2003. 4. DEPARTMENT OF PLANNING AND ZONING REFERENCE FILE NUMBERS ARE 5-98-09 P-99-02, F-99-21, F-99-145 & RE-99-03. 5. COORDINATES BASED ON NAD '83, MARYLAND COORDINATE SYSTEM AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 21E2 AND 21E3.

GENERAL NOTES:

STA. NO. 21E2 N 583,065.3037 E 1,300,868.4416 ELEV. 476.653 STA. NO. 21E3 N 584,559,4765 E 1,302,074.5340 ELEV. 515.882 6. IMPERVIOUS AREA OF DISTURBANCE: 4,735 SQ. FT.

7. FOREST CONSERVATION AND LANDSCAPING OBLIGATIONS FOR THE CATTAIL RIDGE SUBDIVISION HAVE BEEN ADDRESSED UNDER F-99-145.

8. THE EXISTING WELL SHOWN ON THIS PLAN, TAG NUMBER HO. 94.2427. HAS BEEN FIELD LOCATED BY FISHER, COLLINS & CARTER, INC., PROFESSIONAL LAND SURVEYORS AND IS ACCURATELY SHOWN. 9. IMPERVIOUS AREA = 4,612 SQUARE FEET

TAX MAP NO.: 21 P/O PARCEL NO.: 228 GRID NO.: 3 FOURTH ELECTION DISTRICT HOWARD COUNTY MARYLAND SCALE: 1"= 50' DATE: OCTOBER, 2003

GP 04-31

Revision - Remove septic tank out of 100' well

EXISTING PAVEMENT

STANDARD SYMBOL

-EARTH FILL

PIPE AS NECESSARY

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS

33 - 50% 31 - 21

1. Key-in the matting by placing the top ends of the matting in a

3. Before stapling the outer edges of the matting, make sure the matting is smooth and in firm contact with the soil.

Staples shall be placed 2' apart with 4 rows for each strip, 2 outer rows, and 2 alternating rows down the center.
 Where one roll of matting ends and another begins, the end of

narrow trench, 6' in depth. Backfill the trench and tamp firmly to

conform to the channel cross-section. Secure with a row of staple

about 4' down slope from the trench. Spacing between staples is 6'.

Staple the 4' overlap in the channel center using an 18' spacing

the top strip shall overlap the upper end of the lower strip by 4', shiptap fashion. Reinforce the overlap with a double row of staples

NOT TO SCALE

TYPICAL STAPLES NO. 11 GAUGE WIRE

LEROSION CONTROL MATTING EROSION CONTROL N

EXISTING TREE LINE LIMIT OF DISTURBANCE

5485 HARPERS FARM ROAD COLUMBIA, MARYLAND 21044 410-997-8800

DORCHESTER I

SITE & SEDIMENT/EROSION CONTROL PLAN CATTAIL RIDGE

DUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PI ELLICOTT CITY, MARYLAND 21042 (410) 461 - 2055

FISHER, COLLINS & CARTER, INC.

VIL ENGINEERING CONSULTANTS & LAND SURVEYOR

radius & correct well no.

CHARLES J. CROVO ST.

SHEET 1 OF 1

18.0H.

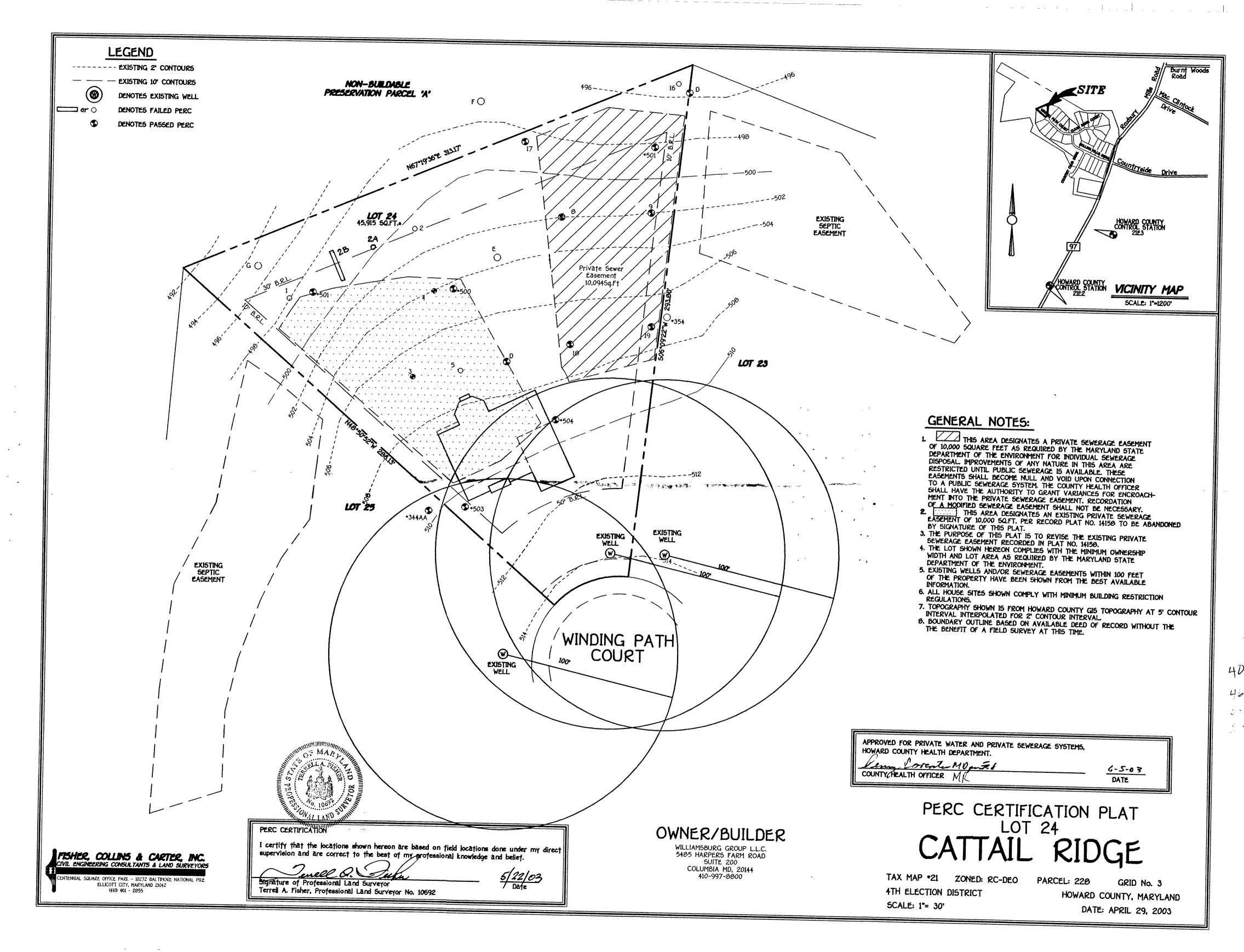
#### HOWARD COUNTY HEALTH DEPARTMENT BUREAU OF ENVIRONMENTAL HEALTH WATER AND SEWERAGE PROGRAM TEL: (410)313-2640 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply 1	liping
NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the inspection. No work is to be covered until approved by the Health Department. All installations m with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (Construction Regulations). Submission of a complete form is required prior to Use and Occupancy	ust comply ID Well
Company Name: Fog 185 Well Dalling Telephone #: 410-795-5670  Address: 5819 Objects PD  Sylesuile and 21784	
(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer License # and name of individual responsible for the field installation:  Name (Print): PIPA Long Licensed Installation Licensed Mell Pump Installer Name (Print): PIPA Long Long Licensed Installation Licensed Installation Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses is subjected to field verification.  Name of Property Owner: 11110005 based Correct Telephone #:	nay be
Subdivision: Cattor Proce Lot #: 24 Well Tag #: HO - 94 - 2	420
Submersible Pump Data Make: Adapter Make: Ad	<u>5</u>
Piping to house Type: 1" Block Plastic PSI: 160 (160 psi min) Depth of supply line: 42 (36" min)  House Connection PVC sleeved to undisturbed soil at wall penetration 1465 Approximate length of sleeve: 5  Sleeve caulked and sealed properly: 465	
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewag distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this approval prior to installation.  9-38.04  Signature of company representative responsible for installation  date	e piping, soffice for
For Health Department Use Only - Not to be completed by Installer	<del></del>
Date Insp. Requested:  Date Insp. Requested:  Pittess adapter and water supply line at least 36" below grade  Two piece cap installed and attached to casing securely  Elec. conduit extends at least 18" below grade/attached to cap properly  Safety rope installed inside of well easing  Correct well tag attached properly and easing 8" above finished grade  Water supply line sleeved adequately at house connection  Adequate grout observed below pittess adapter	Left Note for Plumber To Seal End of Sleeve for Well Lin at House-Not
HD-215(Rev. 8/00)	Health Issue, Bu
Builder verified that Jolton  Builder verified that Jolton  well cap was tightened ICOP  will cap was tightened Met	Water May Leak Into Basement
processed. Met	

C 1 1967 SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED AFTER WELL IS COMPLETED.
1 2 3 6 ·································	FILL IN THIS FORM COMPLETELY PLEASE TYPE	NUMBER A58993Z
ST/CO USE ONLY DATE-Received MM DD YY  MM Q ~ 27 - 0	22 350 26	PERMIT NO. FROM "PERMIT TO DRILL WELL"  HO - 94 - 942 7  28 - 29 - 30 - 31 - 32 - 33 - 34 - 35 - 36 - 37
OWNER CAHOIL OVER	20 (TO NEAREST FOOT)	28 29 30 31 32 33 34 35 36 37
STREET OR RFD last name Winds	1 Path Ct first name TOWN C	Alen wood
SUBDIVISION CLEHAIT BIOL	SECTION GROUTING RECORD	LOT
Not required for driven wells	WELL HAS BEEN GROUTED (Circle Appropriate Box)	1 2 PUMPING TEST
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	TYPE OF CHOUTING MATERIAL (Circle one)	HOURS PUMPED (nearest hour)
DESCRIPTION (Use additional sheets if needed)  FROM TO bearing	NO. OF BAGS 45 0 NO. OF POUNDS 145 76 0	PUMPING RATE (gal. per min.)
Brown 50:1 0 10	GALLONS OF WATER: 120 acl	METHOD USED TO WOOL CO CO 15
Broken Flint 10 18	DEPTH OF GROUT SEAL (to nearest foot)  from ft. to ft.	MEASURE PUMPING RATE
Brown 5011 18 68	48 TOP 52 54 BOTTOM 58 (enter 0 if from surface.)	WATER LEVEL (distance from land surface)
	casing CASING RECORD types	BEFORE PUMPING 17 20 ft.
Gray GraniTe 68 124	(insert appropriate) STEEL CONCRETE	WHEN PUMPING 213' ft.
Green Granite 124 125	code below PLASTIC OTHER	TYPE OF PUMP USED (for test)
Gray Granite 125 320	MAIN Nominal diameter Total depth top (main) casing of main casing Type (nearest inch)! (nearest foot)	A air P piston T turbine other
Green Granite 320 325 Gray Granite 325 350	TYPE (nearest inch)! (nearest foot)	C centrifugal R rotary O (describe below)
GVAY Granitado 350	60 61 63 64 66 70	J jet S submersible
1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	E OTHER CASING (if used) A diameter depth (feet)	27 22
125	H inch from to	PUMP INSTALLED  DRILLER INSTALLED PUMP YES NO
323	S	(CIRCLE) (YES or NO)
	Ğ	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
	screen type or open hole ST BR HO	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29
	insert STEEL BRASS OPEN appropriate BRONZE HOLE	IN BOX 29.  CAPACITY:
	code below PL OT	GALLONS PER MINUTE (to nearest gallon)  31  35
·	PLASTIC OTHER	PUMP HORSE POWER 37 41
NUMBER OF UNSUCCESSFUL WELLS:	DEPTH (nearest ft.)	PUMP COLUMN LENGTH ('nearest ft.): 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
WELL HYDROFRACTURED YES	$\begin{bmatrix} 1 & H0 & 12 & 13 & 33 & 0 \\ 4 & 8 & 9 & 11 & 15 & 17 & 21 \end{bmatrix}$	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROPRIATE LETTER	C H 2 23 24 26 30 32 36	tand Surface
A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	S C 3	below (nearest) foot)
E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION	R 38 39 41 45 47 51 E	A LOCATION OF WELL ON LOT
I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN	E SLOT SIZE 1 2 3 N JIAMETER (NEAREST	SHOW PERMANENT STRUCTURES
ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY	OF SCREEN (NEAREST INCH)	TWO DISTANCES (MEASUREMENTS TO WELL)
KNOWLEDGE.	from to	n ·
DRITTERS LIC. NO. 1 M D 3	GRAVEL PACK	90
DRIELERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	INSERT F IN BOX 68 68  MDE USE ONLY	\_
LIC. NO. 1 MWD 349	(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	15
Max S. Jones	70 72	15
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG	15
DENV-CR97	© COUNTY	Front Prof. Line X

**@ COUNTY** 

**DENV-Permit 97** 



#### APPLICATION

PERCOLATION TESTING

P \_\_\_\_\_\_

A 58993

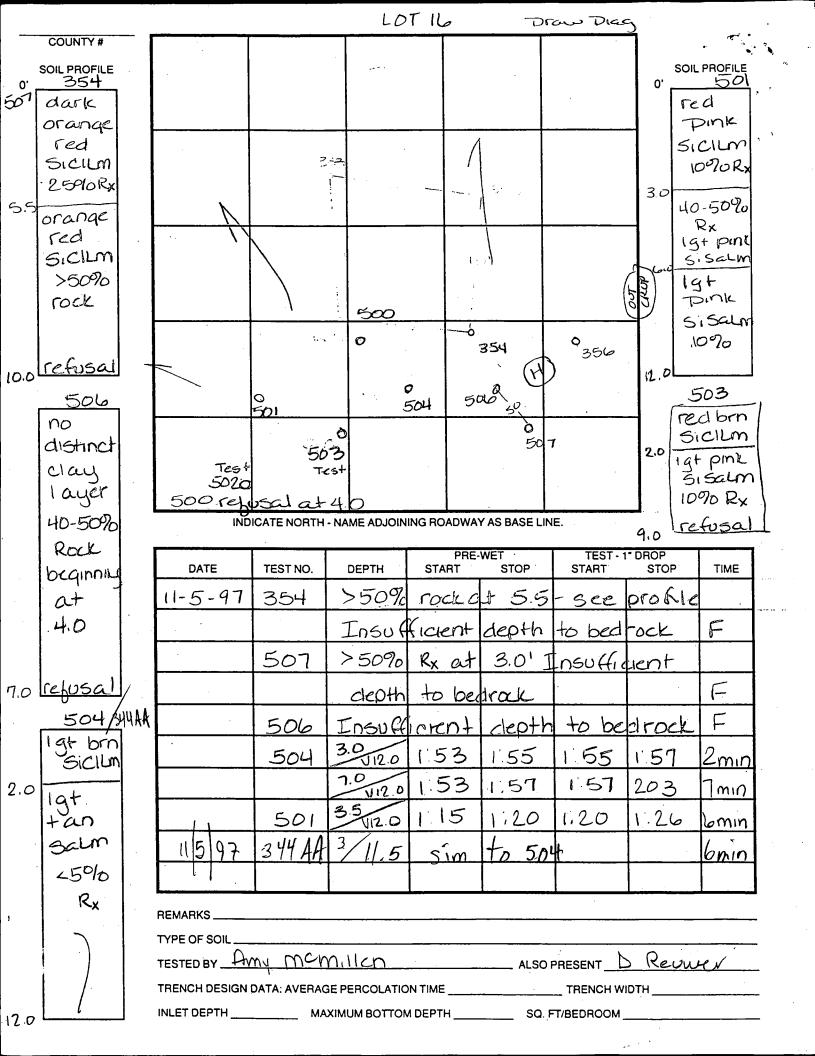
HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DATE 9-25-97

TO: THE COUNTY HEALTH OFFICER ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION F	OR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.
PROPERTY OWNER J. The man Serimon	
ADDRESS	PHONE
AGENT OR PROSPECTIVE BUYER OU LT FO	
ADDRESS 10885 William 20 Dye Suite 21	PHONE TLO-740-2102
PROPERTY LOCATION:	
SUBDIVISION Haan Pei	LOT NO. 2124
ROAD AND DESCRIPTION & 97	
·	
TAXMAP 21 PARCEL 3	
SIZEOF LOT 1 CLI-	TYPE BLDG. SINGLE FAMILY DWELLING OR COMMERCIAL)
THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE OF	NLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE
FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICAT	ION IS NOT REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO
COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS INTESTING THIS LOT.	(SIGNATURE OF APPLICANT)
APPROVED BY	ORDATE
·	FORDATE
HOLD PENDING FURTHER TESTS	
REASONS FOR REJECTION OR HOLDING	
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. #	DATE
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. #	DATE

## THIS IS NOT A PERMIT

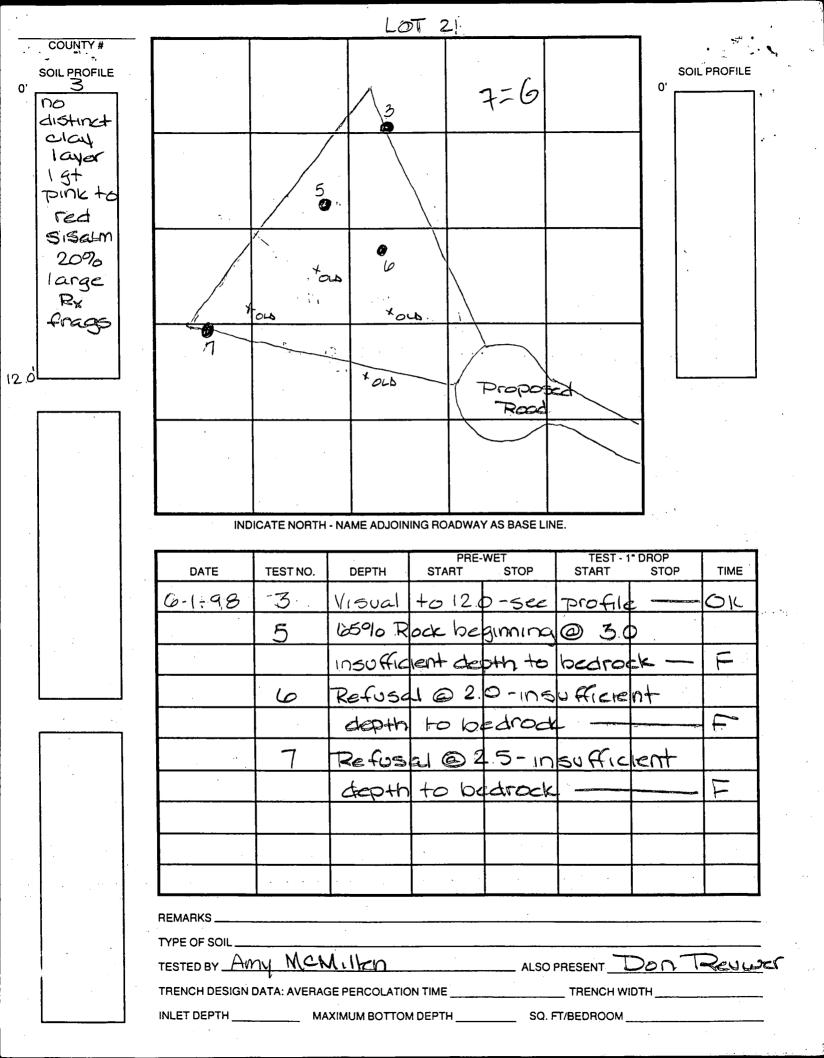


## APPLICATION

PERCOLATION TESTING

HOWARD COUNTY HEALTH DEPARTMENT DISTRICT **BUREAU OF ENVIRONMENTAL HEALTH** 3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043 **TELEPHONE: 313-2640** TO: THE COUNTY HEALTH OFFICER ELLICOTT CITY, MARYLAND I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM. ADDRESS PROPERTY LOCATION: THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NOW FETUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS INTESTING THIS LOT. . (SIGNATURE OF APPLICANT) DISAPPROVED BY HOLD PENDING FURTHER TESTS\_ REASONS FOR REJECTION OR HOLDING. PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_ SITE: DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. #

## THIS IS NOT A PERMIT



2/24/03

# APPLICATION

PERCOLATION TESTING

A 518548
P\_\_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

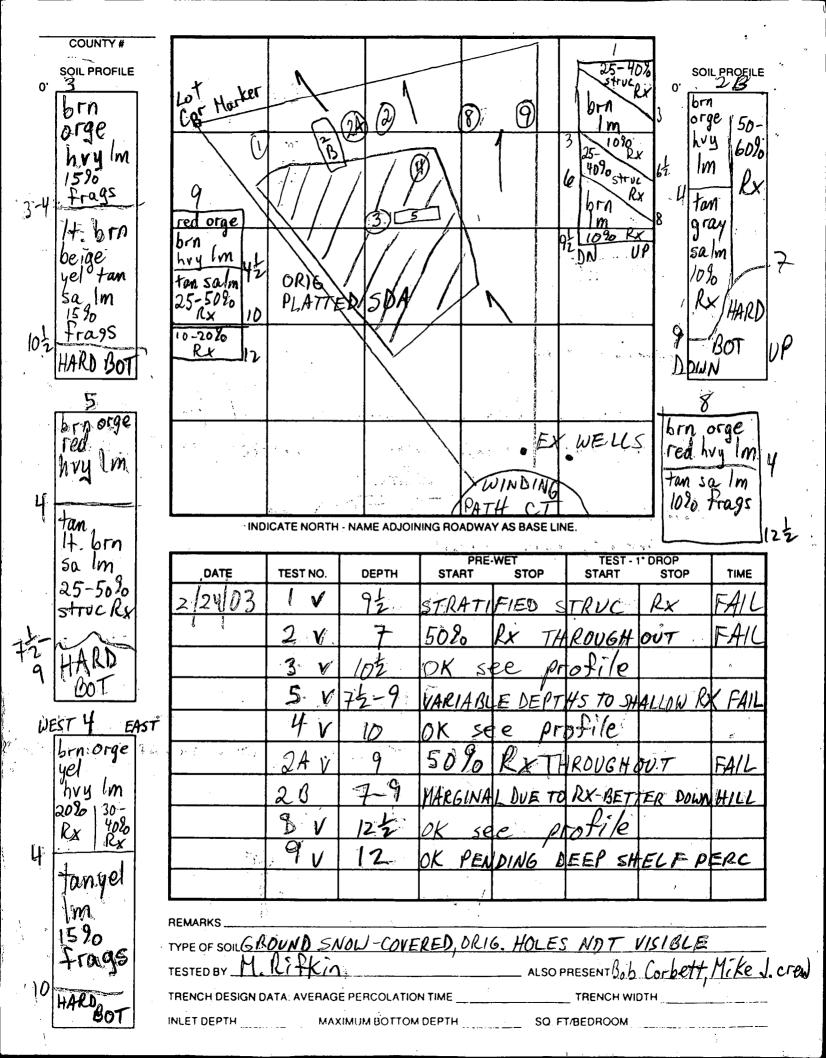
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

ISTRICT_	
DATE	2/14/03
_	7

TO: THE COUNTY HEALTH OFFICER ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLIC	CATION FOR PERMIT TO C	ONSTRUCT (OR RE	CONSTRUCT) A SEWAGE D	SPOSAL SYSTEM.
PROPERTY OWNER BLAIRE COOK				
PROPERTY OWNER DLATE COOK				
_ ADDRESS		_PHONE		
AGENT OR PROSPECTIVE BUYER WILLIAMS BURGE	CROUP LLC	Bob (	orbett	· .
ADDRESS P. D. BUX 1018 Count	bia 21040	PHONE 4/U	-997-P810 Pax	- 4358
PROPERTY LOCATION:	· · · · · · · · · · · · · · · · · · ·			
SUBDIVISION CATTAIL RIDGE		LOT NO. 24	·	
	•			
ROAD AND DESCRIPTION WINDING PATH COU	Ru I	• • • • • • • • • • • • • • • • • • • •		
				·
				ngo:
TAX MAPPARCEL #				
SIZE OF LOT / BCALE	TYPE BLDG	SFD		
		(SINGL	E FAMILY DWELLING ON CO	MMERCIAL)
THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPT	TABLE ONLY UNTIL PUB	LIC FACILITIES BE	COME AVAILABLE. I FULL	Y UNDERSTAND THE
	, 			
FEE CONNECTED WITH THE FILING OF THIS PERC TEST A	PPLICATION IS NON REE	<del>Y   -</del>		
COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS	S LOT.	<u>V</u>	BOB CORBETT TURE OF APPLICANT)	- WILLIAMSBUR
		(SIGNA	TURE OF APPLICANT)	
APPROVED BY	FOR		DATE	
	`			
DISAPPROVED BY	FOR		DATE	
HOLD PENDING FURTHER TESTS				
REASONS FOR REJECTION OR HOLDING		· · · ·		3 1 1 A
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. #			DATE	·
		N <sub>2</sub>		* • *
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D			DATE	

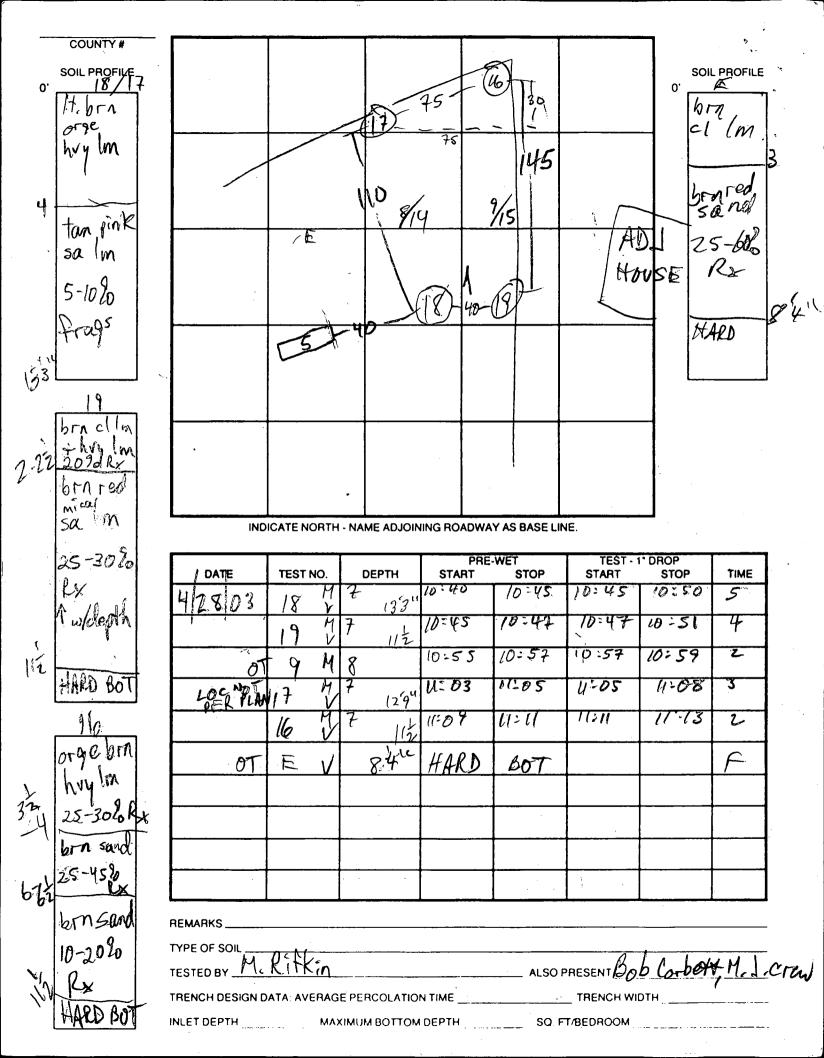
### THIS IS NOT A PERMIT

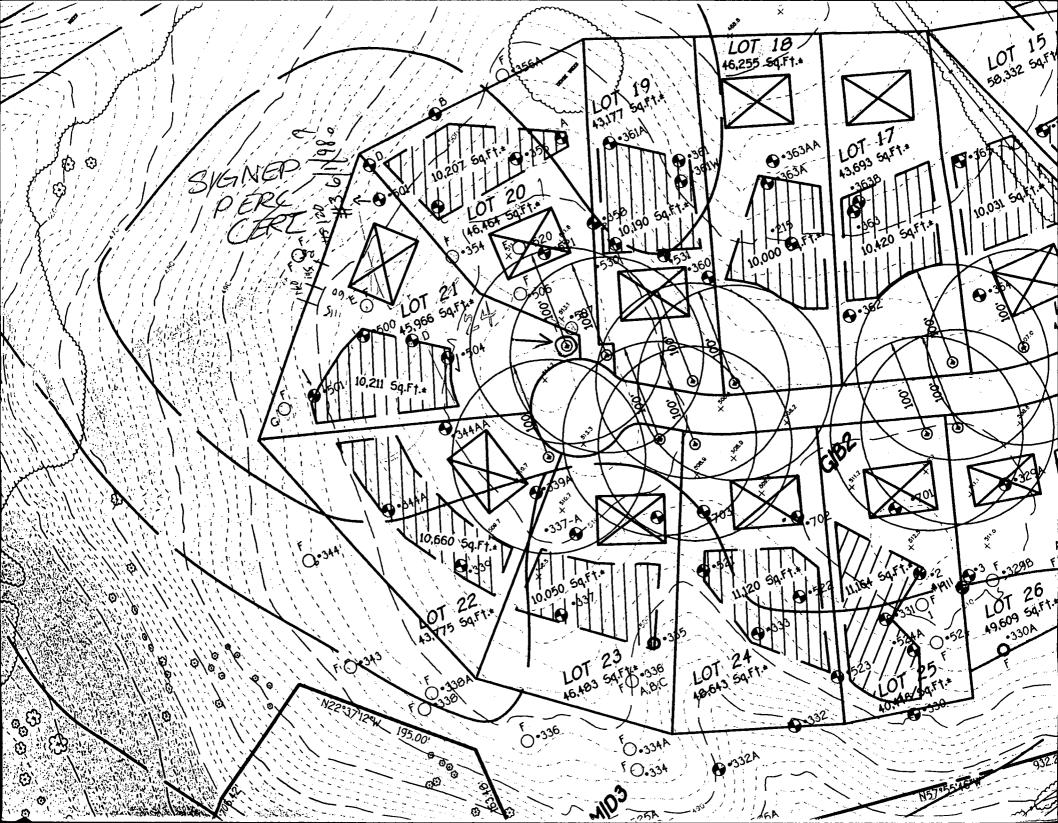


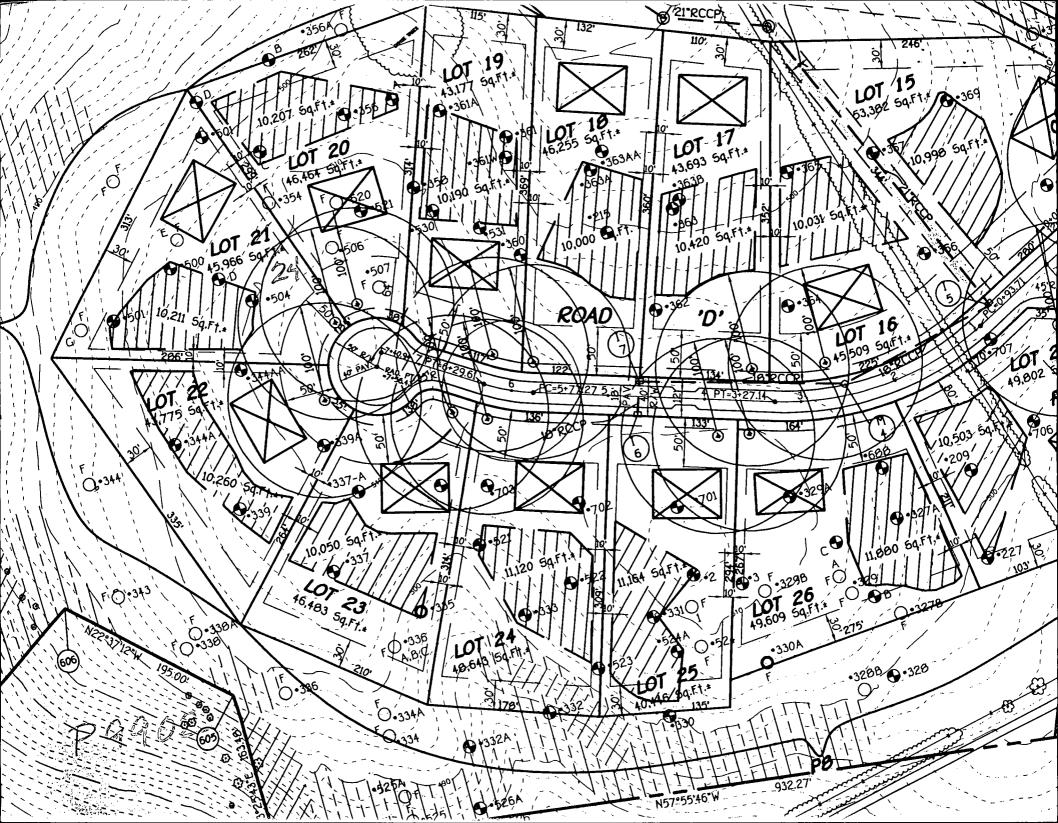
#### APPLICATION

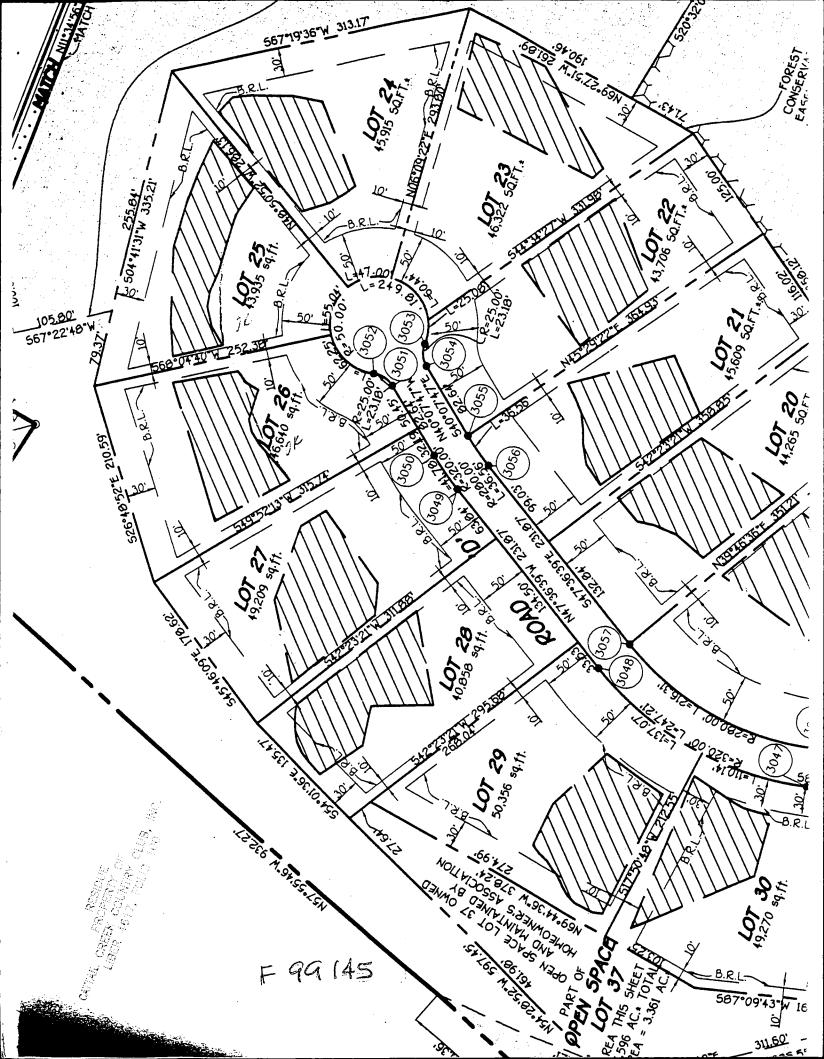
PERCOLATION TESTING HOWARD COUNTY HEALTH DEPARTMENT DISTRICT \_\_\_\_ **BUREAU OF ENVIRONMENTAL HEALTH** 3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043 DATE **TELEPHONE: 313-2640** TO: THE COUNTY HEALTH OFFICER ELLICOTT CITY, MARYLAND I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM. PROPERTY OWNER. ADDRESS\_ PHONE\_ AGENT OR PROSPECTIVE BUYER \_\_\_ ADDRESS \_\_\_\_ PROPERTY LOCATION: SUBDIVISION LOT NO. \_\_\_ ROAD AND DESCRIPTION\_ \_\_\_\_\_PARCEL # \_\_\_\_ SIZE OF LOT \_\_\_ (SINGLE FAMILY DWELLING OR COMMERCIAL) THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. \_\_ (SIGNATURE OF APPLICANT) APPROVED BY \_\_\_ \_\_\_\_\_ FOR \_\_ \_\_\_\_\_FOR \_\_\_\_\_ HOLD PENDING FURTHER TESTS \_ REASONS FOR REJECTION OR HOLDING \_ PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. #

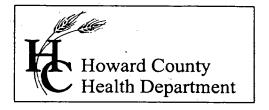
### THIS IS NOT A PERMIT











3525 H Ellicott Mills Drive, Ellicott City, MD 21043 (410) 313-2640 Fax (410) 313-2648 TDD (410) 313-2323 Toll Free 1-866-313-6300 website: www.hchealth.org

#### Penny E. Borenstein, M.D., M.P.H., Health Officer

September 29, 2004

Williamsburg Group LLC 5485 Harpers Farm Road, Suite 200 Columbia, MD 21044

#### SENT VIA FACSIMILE 410-997-4358

RE:

Cattail Ridge, Lot 24 3520 Winding Path Court Glenwood, MD 21738 BP # B00146143 Well Permit # HO-94-2427

Dear Sirs:

This is to advise you that the septic system for the above referenced property has been installed and inspected. Final approval of the septic system was granted on 08/09/2004. Final approval of the well line connection to the dwelling was approved on 08/09/2004.

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. The water sample results were found to be in compliance with COMAR water quality standards.

#### INTERIM CERTIFICATE OF POTABILITY

This certifies that the **initial** sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit #HO-94-2427. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies. Based upon satisfactory investigation and evaluation, the Howard County Health Department, as authorized by the Maryland Department of the Environment accepts this well system as required by COMAR 26.04.04.

This certificate may become final upon completion of the second bacteriological test, which is to be taken by the county health department within six months of receipt of this letter. Please contact (410) 313-1773 to schedule a final water sample appointment. Currently, there is no charge for this final sampling.

Date of Water Sample:

09/20/2004

Date of Well Completion:

09/27/1999

Respectfully,

Bert Nixon, R. S. / Well and Septic Program

BN/mlb

cc:

Building Inspector's Office Community Services Program

File

DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS
3430 COURT HOUSE DRIVE
ELLIOTT CITY, MD 21043
PERMITS (410) 313-3465 PROFECTIONS (410) 313-34910
AUTOMATED REGISHATOMS (420) 413-3497

## HOWARD COUNTY PERMIT APPLICATION

BOOK 14 614 3

Building Address 3530 WINDA	G KATH CT.	Property Owner's Name WILLIAMS BURY GRAUP LIC		
GLENWOOD MD	1	Address 5425 HARRES FORM TO SUITE SAD		
Suite/Apt. #: N /A SDP/WP/Pe	tition #: GP04-31	City COLUMBAN State MA Zip Code 21044		
Census Tract 6010. 2 Subdivision		Home Phone Wor	rk Phone 997-770X/8	
Section N/A Area N/A	Lot 24	Applicant's Name & Mailing Address, (if	other than stated hereon):	
Tax Map 31 Parcel 22				
Zoning KC FMap Coordinates 7 K		Phone Fax ()	0-997 4262	
Existing Use VACANT LOT	· / 2010/20 / 12/ // 1/ 25 - 7	Phone Fax 410-997-4358  Contractor Company SAM = AS AWAFR		
Proposed Use		Contact Person		
Estimated Construction Cost \$ 350		Address		
Description of Work NONE 11			Zip Code	
W/CUSTOM REVISION		Lidense No.		
Occupant or Tenant SAME AS	5TUBROYE FAM	Engineer or Architect Company	A diame	
	1) Control	Contact Person IIM GRAWAM		
Contact Name		Address (041) PLYMOITH	and the second s	
Address_				
	Zip Code	City A7DA/SVILLE State A		
Phone Fax		Phone 19/7/7-0971 Fax		
BUILDING DESCRIPTION - C		BUILDING DESCRIPTION - 4	T	
Building Characteristics  Height:	<u>Utilities</u> Water Supply:	Building Characteristics  SF Dwelling SD SF Townhouse	<u>Utilities</u> Water Supply:	
	Public	Depth Width	Public Private	
No. of stories:	Private Sewage Disposal:	2nd floor:	Sewage Disposal: Public	
Gross area, sq. ft. per floor:	Public Private	Basement: Finished Basement ☐ Unfinished Basement□	Private	
	Electric Yes□ No□	Crawl space ☐ Slab on Grade ☐ No. of Bedrooms	Electric Yes No 🗆	
Use group:	Gas Yes□ No□	Multi-family dwellings:	Heating System:	
Construction type:	Heating System: Electric □ Oil □	No. of efficiency units:  No. of 2 BR units:  No. of 2 BR units:	Electric Oil  Natural Gas	
Reinforced Concrete Structural Steel	Natural Gas □ Propane Gas □	No. of 3 BN units:	Propane Gas	
Masonry Wood Frame	Sprinkler system: N/A □	Other Structure: Dispensions:	Sprinkler system: N/A  NFPA #13D	
	Full Partial	Footnes: Roof:	NFPA #13R Other:	
State Certified Modular	Other Suppression # of Heads	State Certified Modular  Manufactured Home		
THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) IN WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO	HAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATE	ON. (2) THAT THE INFORMATION IS CORRECT. (3) THAT HE/SHE WILL CO	OMPLY WITH ALL REGISLATIONS OF HOWARD COUNTS	
THE PROPERTY POR THE PURPOSE OF INSPECTING THE WORK PERMITT		( ) N	1	
Applicant's Signature	<u> </u>	Print Name	V/3.	
AGENT FOR WYL	1 C	2/10/04		
Title/Company	Checks payable to: DIRECTOR OF			
	** PLEASE WRITE NEA - FOR OFFICE	E USE ONLY-	1,0937	
AGENCY DATE  Land Development, DPZ			operty ID#: UE73	
State Minhways		Rear: Per	mit fee \$	
		· · · · · · · · · · · · · · · · · · ·	ise tax S d'i per fee S	
Fleetth 2/23/04			TAL FEES \$	
Fire Protection  Is Sediment Control approval required prior to issuance?			stotal paid \$sance disc \$	
YES NO 🗆		YES 🗆 NO 🗆 Ch	sck # 365	
CONTINGENCY CONSTRUCTION		Historic District? Va YES □ NO □	idation # <u>41025</u>	
ONE STOP SHOP:	7	Lot Coverage for NewTown Zone		
and the second of the second o		SDP/Red-line approval date	Accepted by	
Distribution of Copies- White: Building Offic	ial Green: LDD, DPZ Ye	llow: DED, DPZ Pink: Health Go	a sha	

