



Building Permit Application

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

Date Received: 5-29-14

Permit No.: B14001738

Building Address: 860 DRIVER RD
 City: HARRIOTTSVILLE State: MD Zip Code: 21104
 Suite/Apt. # _____ SDP/WP/BA #: _____
 Census Tract: _____ Subdivision: _____
 Section: _____ Area: _____ Lot: 6
 Tax Map: _____ Parcel: _____ Grid: _____
 Zoning: _____ Map Coordinates: _____ Lot Size: _____

Property Owner's Name: PLAMEN GAUTCHEV
 Address: 860 DRIVER RD
 City: HARRIOTTSVILLE State: MD Zip Code: 21104
 Phone: 410-869-0534 Fax: _____
 Email: n.goptan@gmail.com

Existing Use: SFD
 Proposed Use: SFD w/ deck
 Estimated Construction Cost: \$ 12,000.00
 Description of Work: Build a 13'x15' + 6' x 12' composite deck off back of house w/ steps

Applicant's Name & Mailing Address, (If other than stated herein)
 Applicant's Name: JIM REISBERG
 Address: 2429 SYKESVILLE RD
 City: WESTMINSTER State: MD Zip Code: 21157
 Phone: 443-605-9848 Fax: _____
 Email: jrcchi@comcast.net

Occupant or Tenant: _____
 Was tenant space previously occupied? Yes No
 Contact Name: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Contractor Company: JIM REISBERG CUSTOM HOME IMP.
 Contact Person: JIM REISBERG
 Address: 2429 SYKESVILLE RD
 City: WESTMINSTER State: MD Zip Code: 21157
 License No.: 90342
 Phone: 443-605-9848 Fax: _____
 Email: jrcchi@comcast.net

Engineer/Architect Company: _____
 Responsible Design Prof.: _____
 Address: _____
 City: _____ State: _____ Zip Code: _____
 Phone: _____ Fax: _____
 Email: _____

Commercial Building Characteristics	Residential Building Characteristics	
Height:	<input type="checkbox"/> SF Dwelling <input type="checkbox"/> SF Townhouse	
No. of stories:	Depth	Width
Gross area, sq. ft./floor:	1 st floor:	
	2 nd floor:	
Area of construction (sq. ft.):	Basement:	
	<input type="checkbox"/> Finished Basement	
Use group:	<input type="checkbox"/> Unfinished Basement	
	<input type="checkbox"/> Crawl Space	
	<input type="checkbox"/> Slab on Grade	
Construction type:	No. of Bedrooms:	
<input type="checkbox"/> Reinforced Concrete	Multi-family Dwelling	
<input type="checkbox"/> Structural Steel	No. of efficiency units:	
<input type="checkbox"/> Masonry	No. of 1 BR units:	
<input type="checkbox"/> Wood Frame	No. of 2 BR units:	
<input type="checkbox"/> State Certified Modular	No. of 3 BR units:	
	Other Structure:	
	Dimensions:	
<input checked="" type="checkbox"/> Roadside Tree Project Permit	Footings:	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Roof:	
Roadside Tree Project Permit # _____	<input type="checkbox"/> State Certified Modular	
	<input type="checkbox"/> Manufactured Home	

Utilities	
Water Supply	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Sewage Disposal	
<input type="checkbox"/> Public	
<input checked="" type="checkbox"/> Private	
Electric: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Gas: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Heating System	
<input type="checkbox"/> Electric <input type="checkbox"/> Oil	
<input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas	
<input type="checkbox"/> Other:	
Sprinkler System:	
<input type="checkbox"/> Yes <input type="checkbox"/> No	
Grading Permit Number: _____	
Building Shell Permit Number: _____	

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature: Jim Reisberg
 Email Address: jrcchi@comcast.net
 Title/Company: _____

Print Name: JIM REISBERG
 Date: 5/29/14

mail to contractor

Checks Payable to: DIRECTOR OF FINANCE OF HOWARD COUNTY
 PLEASE WRITE NEATLY & LEGIBLY
 -FOR OFFICE USE ONLY-

AGENCY	DATE	SIGNATURE OF APPROVAL
State Highways		
Building Officials		
PSZA (Zoning)		
PSZA (Engineering)		
Health		<u>6/13/14 Bernard</u>

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

DPZ SETBACK INFORMATION	
Front:	
Rear:	
Side:	
Side St.:	
All minimum setbacks met?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is Entrance Permit Required?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Historic District?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Lot Coverage for New Town Zone:	
SDP/Red-line approval date:	

Filing Fee	\$
Permit Fee	\$
Tech Fee	\$
Excise Tax	\$ <u>55</u>
PSFS	\$
Guaranty Fund	\$
Add'l per Fee	\$
Total Fees	\$
Sub-Total Paid	\$
Balance Due	\$ <u>1093</u>
Check #	<u>1093</u>

Distribution of Copies: White: Building Officials Green: PSZA,Zoning Yellow: PSZA,Engineering Pink: Health Gold: SHA

(Scale 1-50)

LOT 5
FRANK W. PALUCCI
CHRISTINA C. AHLBERG
LIBER 11546 KOLIC 214
PLAT NO. 17889

EXISTING PRIVATE SEPTIC AREA

N 611,920
E 1,342,090

APPROVED

WALK-THROUGH BUILDING PERMIT
BP# 11

APP. SAND DEMAND GRID NORTH

DATE: 6-13-14

DESC. OF WORK: Deck w/ steps
Approved w/ Stab

INC 402

N 611,870
E 1,341,820

SUPER SILT FENCE (TYP.)

EROSION CONTROL MATTING (TYP.)

278.85' 20' SEPTIC SETBACK

EXISTING PRIVATE SEPTIC AREA
10,152 SF

LOT 6
1.00 AC ±

EX. MAILBOX

LIMIT OF DISTURBANCE AREA 0.44 AC.

ELL 4-4140

SILT FENCE (TYP.)

EX. WELL HO-94-4138

DRIVER ROAD
50' RIGHT-OF-WAY
LOCAL ROAD

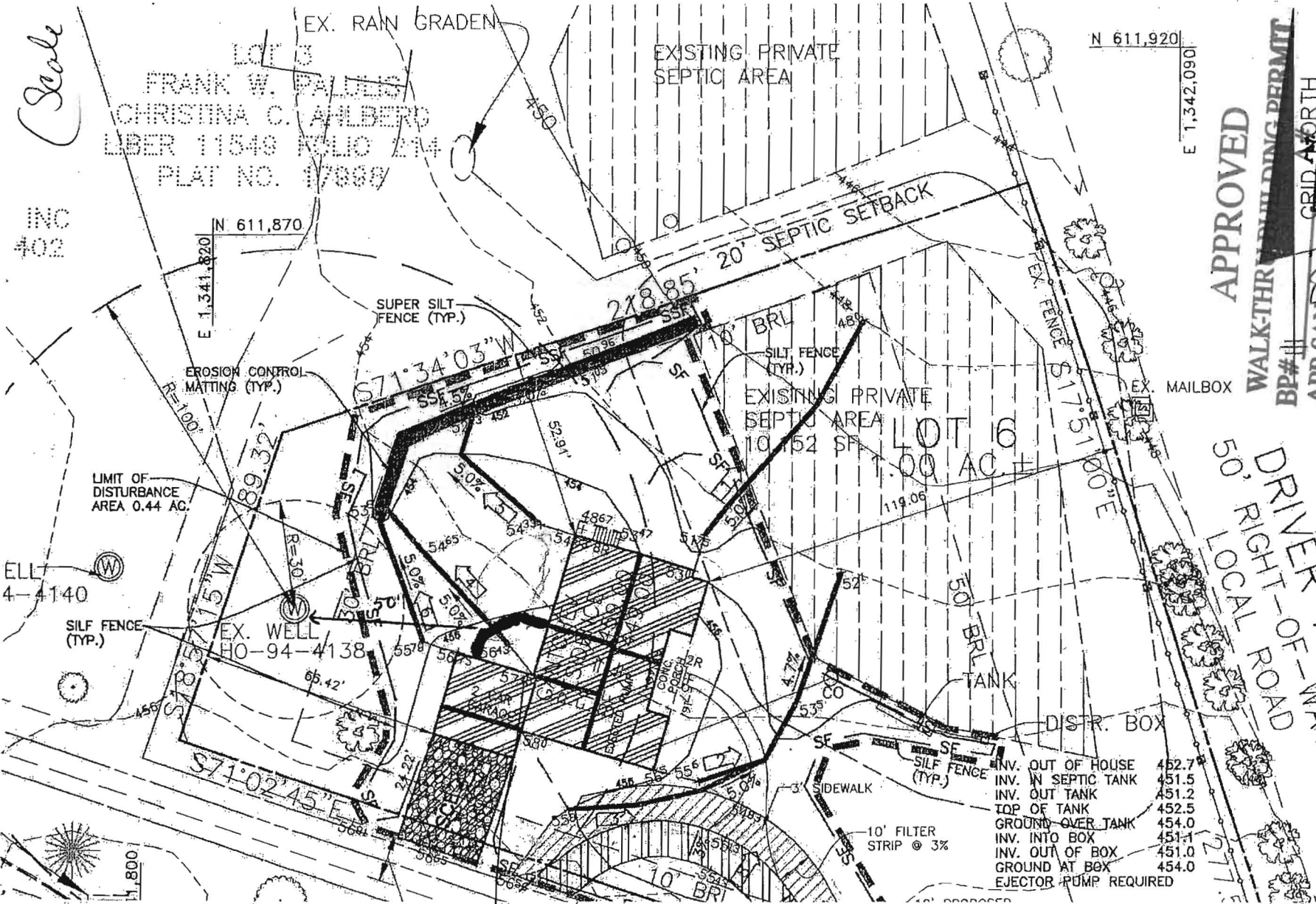
50' BRL TANK

DIS. BOX

- INV. OUT OF HOUSE 452.7
- INV. IN SEPTIC TANK 451.5
- INV. OUT TANK 451.2
- TOP OF TANK 452.5
- GROUND OVER TANK 454.0
- INV. INTO BOX 451.1
- INV. OUT OF BOX 451.0
- GROUND AT BOX 454.0
- EJECTOR PUMP REQUIRED

10' FILTER STRIP @ 3%

regular shaped deck
see attached



610000010

1/11/10
P-100000099

DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS 3430 COURT HOUSE DRIVE ELLICOTT CITY, MD 21043 PERMITS (410) 313-2455 INSPECTIONS (410) 313-1810 AUTOMATED INFORMATION (410) 313-3800		HOWARD COUNTY PERMIT APPLICATION		PERMIT NUMBER P-100000099	
Building Address <u>860 DRIVER Rd</u>			Property Owner's Name <u>Plame & Nina Gantchev</u>		
Suite/Apt. #: _____ SDP/WP/Petition #: _____			Address <u>1913 Branstow Rd</u>		
Census Tract _____ Subdivision <u>Anton's Property</u>			City <u>Catonsville</u> State <u>MD</u> Zip Code <u>21229</u>		
Section _____ Area _____ Lot <u>6</u>			Home Phone <u>443-253-009</u> Work Phone _____		
Tax Map _____ Parcel <u>771</u> Grid <u>4</u>			Applicant's Name & Mailing Address, (if other than stated hereon): _____		
Zoning _____ Map Coordinates _____ Lot size <u>10,000 Sq. Ft.</u>			Phone _____ Fax _____		
Existing Use <u>Warehouse</u>			Contractor Company <u>JST Builders</u>		
Proposed Use _____			Contact Person <u>John Startt</u>		
Estimated Construction Cost \$ _____			Address <u>6030 Day Break Circle Ste 150</u> <u>Box 146</u>		
Description of Work _____			City <u>Clarksville</u> State <u>MD</u> Zip Code <u>21029</u>		
Occupant or Tenant _____			License No. <u>MBR 8010</u>		
Contact Name _____			Phone <u>410 884-0334</u> Fax <u>410 884 3983</u>		
Address _____			Engineer or Architect Company _____		
City _____ State _____ Zip Code _____			Contact Person _____		
Phone _____ Fax _____			Address _____		
City _____ State _____ Zip Code _____			City _____ State _____ Zip Code _____		
Phone _____ Fax _____			Phone <u>443-477-1600</u> Fax <u>410-477-1600</u>		

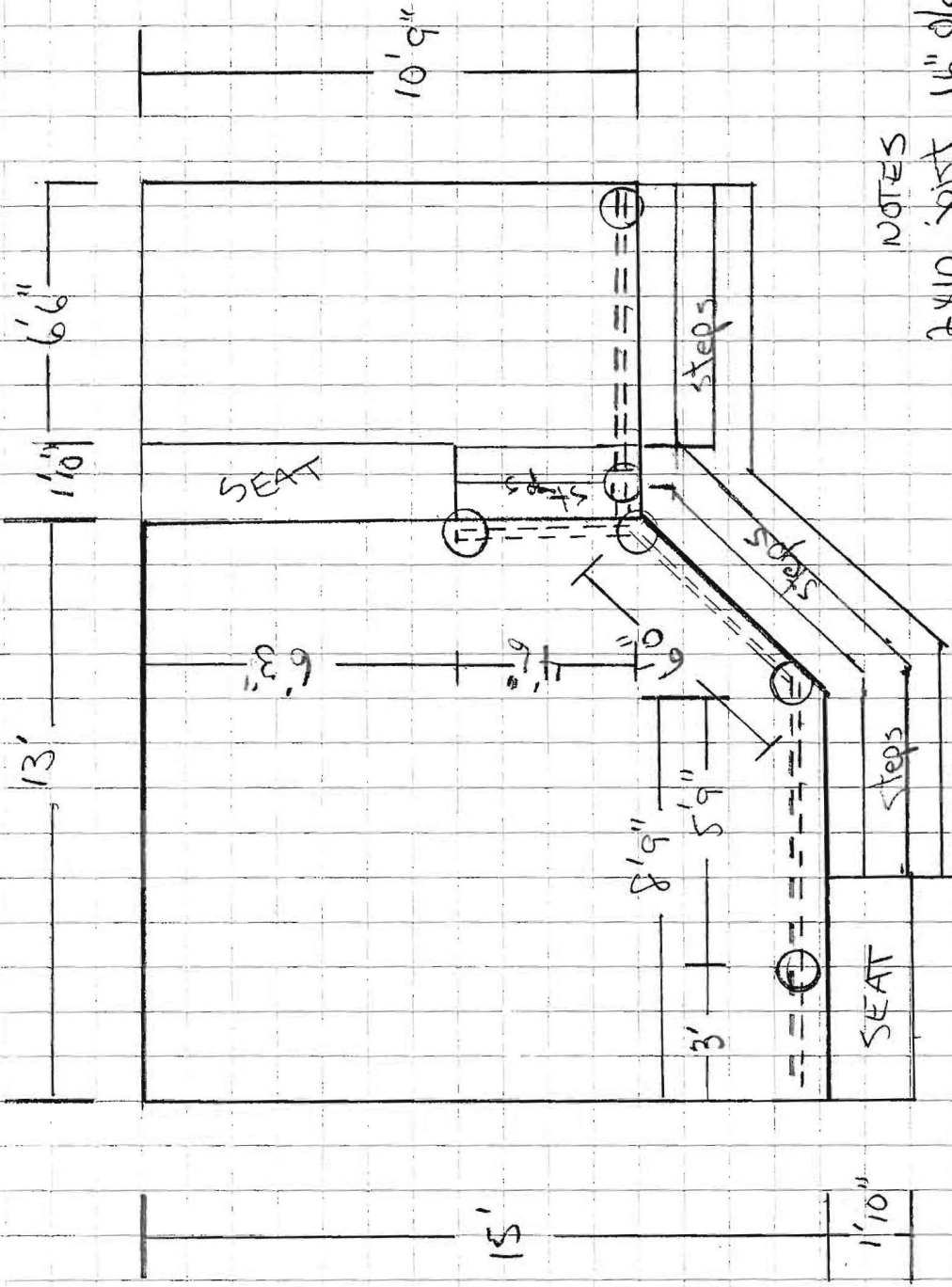
BUILDING DESCRIPTION - COMMERCIAL		BUILDING DESCRIPTION - RESIDENTIAL	
Building Characteristics Height: _____ No. of stories: _____ Gross area, sq. ft. per floor: _____ Use group: _____ Construction type: <input type="checkbox"/> Reinforced Concrete <input type="checkbox"/> Structural Steel <input type="checkbox"/> Masonry <input type="checkbox"/> Wood Frame <input type="checkbox"/> State Certified Modular	Utilities Water Supply: <input type="checkbox"/> Public <input type="checkbox"/> Private Sewage Disposal: <input type="checkbox"/> Public <input type="checkbox"/> Private Electric Yes <input type="checkbox"/> No <input type="checkbox"/> Gas Yes <input type="checkbox"/> No <input type="checkbox"/> Heating System: Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/> Sprinkler system: N/A <input type="checkbox"/> <input type="checkbox"/> Full <input type="checkbox"/> Partial <input type="checkbox"/> Other Suppression <input type="checkbox"/> # of Heads _____	Building Characteristics SF Dwelling <input checked="" type="checkbox"/> SF Townhouse <input type="checkbox"/> Depth _____ Width _____ 1st floor: <u>31</u> 2nd floor: <u>12</u> Basement: <u>34</u> Finished Basement <input type="checkbox"/> Unfinished Basement <input checked="" type="checkbox"/> Crawl space <input type="checkbox"/> Slab on Grade <input type="checkbox"/> No. of Bedrooms <u>2</u> Height: <u>14</u> Multi-family dwellings: No. of efficiency units: _____ No. of 1 BR units: _____ No. of 2 BR units: _____ No. of 3 BR units: _____ Other Structure: <u>None</u> Dimensions: _____ Footings: _____ Roof Height: _____ <input type="checkbox"/> State Certified Modular <input type="checkbox"/> Manufactured Home	Utilities Water Supply: <input type="checkbox"/> Public <input type="checkbox"/> Private Sewage Disposal: <input type="checkbox"/> Public <input type="checkbox"/> Private Electric Yes <input type="checkbox"/> No <input type="checkbox"/> Gas Yes <input type="checkbox"/> No <input type="checkbox"/> Heating System: Electric <input type="checkbox"/> Oil <input type="checkbox"/> Natural Gas <input type="checkbox"/> Propane Gas <input type="checkbox"/> Sprinkler system: N/A <input checked="" type="checkbox"/> <input type="checkbox"/> NFPA #13D <input type="checkbox"/> NFPA #13R <input type="checkbox"/> Other: _____

THE UNDERSIGNED HEREBY CERTIFIES AND AGREES AS FOLLOWS: (1) THAT HE/SHE IS AUTHORIZED TO MAKE THIS APPLICATION; (2) THAT THE INFORMATION IS CORRECT; (3) THAT HE/SHE WILL COMPLY WITH ALL REGULATIONS OF HOWARD COUNTY WHICH ARE APPLICABLE THERETO; (4) THAT HE/SHE WILL PERFORM NO WORK ON THE ABOVE REFERENCED PROPERTY NOT SPECIFICALLY DESCRIBED IN THIS APPLICATION; (5) THAT HE/SHE GRANTS COUNTY OFFICIALS THE RIGHT TO ENTER ONTO THIS PROPERTY FOR THE PURPOSE OF INSPECTING THE WORK PERMITTED AND POSTING NOTICES.

Applicant's Signature _____ Print Name John Startt
 Title/Company _____ Date 1/11/10

Checks payable to: **DIRECTOR OF FINANCE OF HOWARD COUNTY**
 ** PLEASE WRITE NEATLY AND LEGIBLY. **
 - FOR OFFICE USE ONLY -

AGENCY	DATE	SIGNATURE APPROVAL	DPZ SETBACK INFORMATION	PROPERTY ID#
Land Development, DPZ			Front: _____	Filing fee \$ _____
State Highways			Rear: _____	Permit fee \$ _____
Building Official			Side: _____	Excise tax \$ _____
Dev. Engineering, DPZ			Side St.: _____	Add'l per. fee \$ _____
Health	<u>1-20-10</u>	<u>Dana Bernard</u>	All minimum setbacks met?	TOTAL FEES \$ _____
Fire Protection			YES <input type="checkbox"/> NO <input type="checkbox"/>	Sub-total paid \$ _____
Is Sediment Control approval required prior to issuance?			Is Entrance Permit required?	Balance due \$ _____
YES <input type="checkbox"/> NO <input type="checkbox"/>			YES <input type="checkbox"/> NO <input type="checkbox"/>	Check # _____
CONTINGENCY CONSTRUCTION START: <input type="checkbox"/>			Historic District?	Validation # _____
ONE STOP SHOP: <input type="checkbox"/>			YES <input type="checkbox"/> NO <input type="checkbox"/>	
Distribution of Copies -	White: Building Official	Green: LDD, DPZ	Lot Coverage for NewTown Zone _____	Accepted by _____
T:Forms/PERMIT.FRM			SDP/Red-line approval date _____	
			Yellow: DED, DPZ	Pink: Health
				Gold: SHA



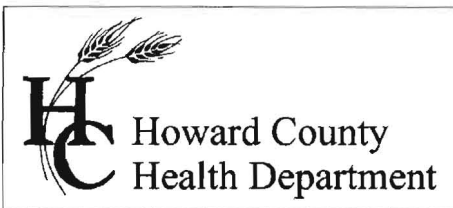
NOTES

2x10 joist 16" o/c

=== Double 2x10 beams
 O - footer 16" o/c, 30" deep

steps 7 1/2" x 11"

steps CARRIAGES 2x12 12" o/c



7178 Columbia Gateway Drive, Columbia MD 21046
Phone (410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
Website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

January 13, 2010

RE: **Building Permit # B10000099**
Tax Map 10, Parcel 271
Building Site Plan

JST Builders:

Prior to building permit approval, an approved Building Plan is required. Further review is contingent upon submission of a Building Plan showing the following:

- Please define storm water management plan, it is unclear. Storm water management devices must be directed away from septic area and must maintain a distance of 25 feet away from the septic easement.
- General notes on building site plan must include the following statement, "**The existing well(s) shown on this plan** (identified with the attached well tag number ex: HO-94-4138) **has been located by** _____ (individual or company name)
- Well box is not defined on building plan. Note: well box must be 1500 sq. ft.
- Show all existing wells and replacement wells. Wells on property must be 50 feet apart.
- Well box, location and setbacks required are 30 feet from a new foundation and 100 feet from a septic tank, system and easement. (Just a reminder.)

In addition to the revised building plan, radium testing must occur before the ICOP can be issued. I hope these comments and enclosures are helpful in preparing your plan. Your building permit will be placed "on hold" until all Health Dept. requirements are met. If you have any questions or correspondence, I can be reached at the above address or by telephone at (410) 313-2775.

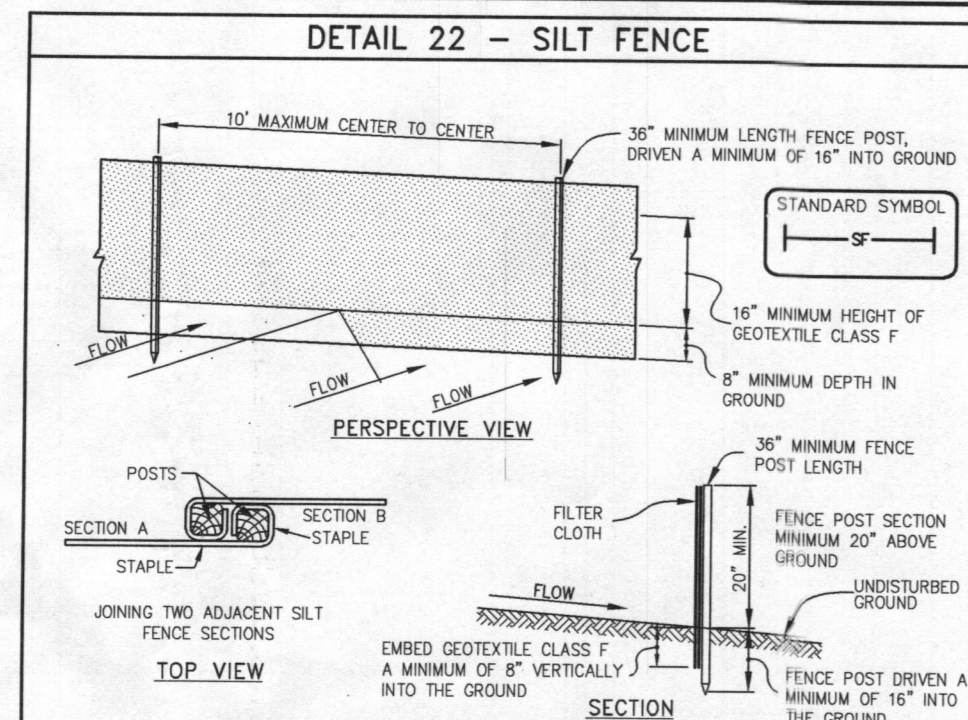
Respectfully,

Dana L. Bernard, Sanitarian
Bureau of Environmental Health
Well and Septic Program
Phone (410) 313-2775
E-mail: DBernard@howardcountymd.gov

cc: Well & Septic program file

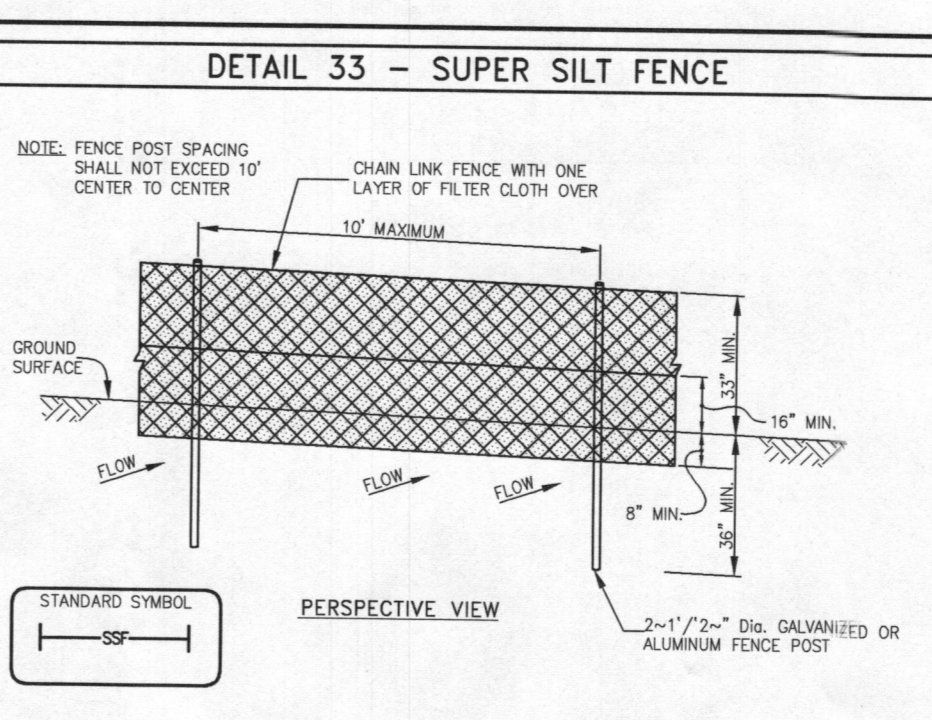
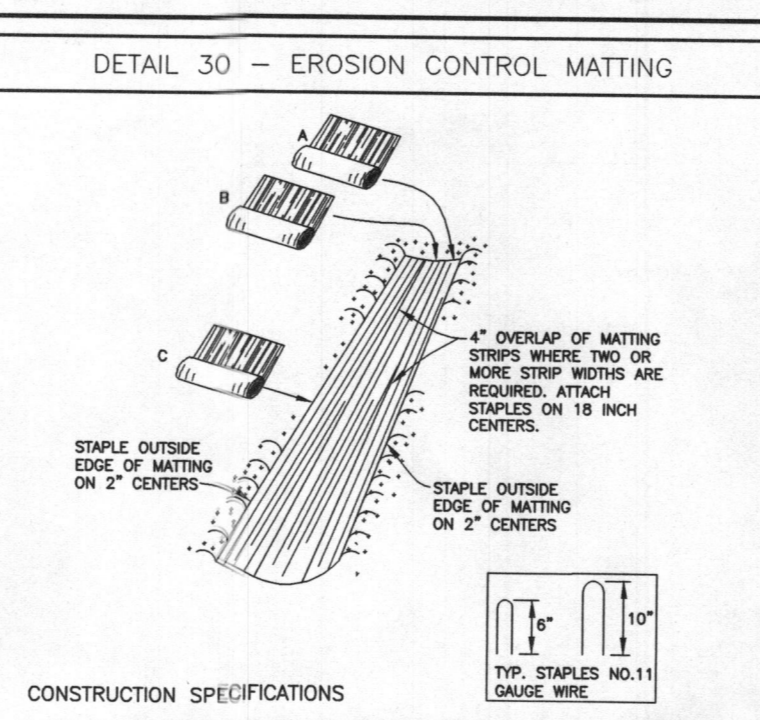
LEGEND

- EXISTING CONTOURS (AERIAL 12/02)
- EXISTING WOODS LINE
- SUPER SILT FENCE
- SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE
- LIMIT OF DISTURBANCE
- EROSION CONTROL MATTING
- PROP. STORMWATER MANAGEMENT
- ROOFTOP DISCONNECTION
- NON-ROOFTOP DISCONNECTION
- PROP. FILTERSTRIP



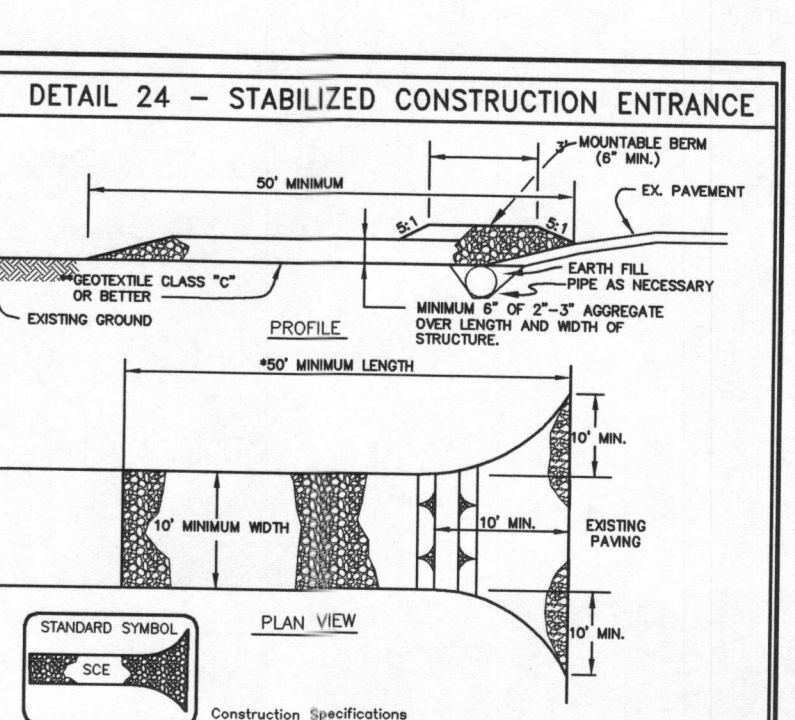
SILT FENCE DESIGN CRITERIA

Slope Steepness	(Maximum) Slope Length	(Maximum) Silt Fence Length
Flatter than 50:1	unlimited	unlimited
50:1 to 10:1	125 feet	7,000 feet
10:1 to 5:1	100 feet	750 feet
5:1 to 3:1	60 feet	500 feet
3:1 to 2:1	40 feet	250 feet
2:1 and steeper	20 feet	125 feet



SUPER SILT FENCE DESIGN CRITERIA

Slope	Slope Steepness	Slope Length (Maximum)	Silt Fence Length (Maximum)
0 - 10%	0 - 10:1	Unlimited	Unlimited
10 - 20%	10:1 - 5:1	200 feet	1,500 feet
20 - 35%	5:1 - 3:1	100 feet	1,000 feet
35 - 50%	3:1 - 2:1	100 feet	500 feet
50% +	2:1 +	50 feet	250 feet



CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 1 1/2" x 1 1/2" square (minimum) cut, or 1 3/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard or section weighing not less than 1.00 pound per linear foot.
- Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

Tensile Strength	50 lbs/in (min.)	Test: MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test: MSMT 509
Flow Rate	0.2 gpl/ft (min.)	Test: MSMT 512
Filtering Efficiency	75% (min.)	Test: MSMT 522
- Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.
- Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

NOTES:

CONTRACTOR SHALL CURL ALL SILT FENCE AND SUPER SILT FENCING UPHILL BY 2 FEET (IN A 'J' FORMATION) IN ALL AREAS WHERE THE FENCING RUNS DOWNHILL.

EROSION CONTROL MATTING TO BE PLACED ALONG ALL SWALES WITHIN L.O.D.

A DOUBLE ROW OF SUPER SILT FENCE IS TO BE PROVIDED ON ANY LOT AS REQUESTED BY THE SEDIMENT CONTROL INSPECTOR.

CONSTRUCTION SPECIFICATIONS

- KEY-IN THE MATTING BY PLACING THE TOP ENDS OF A NARROW TRENCH 6" IN DEPTH, BACKFILL THE TRENCH AND FILL TO THE CHANNEL CROSS-SECTION. SECURE WITH A ROW OF STAPLES ABOUT 4" DOWN SLOPE FROM THE TRENCH. STAPLES SHALL BE PLACED 2' ON CENTER BETWEEN STAPLES.
- STAPLE THE 4" OVERLAP IN THE CHANNEL CENTER USING AN 18" SPACING BETWEEN STAPLES.
- 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' ON CENTER FOR EACH STRIP, 3' OUTER ROWS, AND 2' ALTERNATING ROWS DOWN THE CENTER.
- WHERE ONE ROLL OF MATTING ENDS AND ANOTHER BEGINS, THE END OF THE TOP STRIP SHALL OVERLAP THE UPPER END OF THE STRIP BY 4" OVERLAP FASHION. REINFORCE THE OVERLAP WITH A DOUBLE ROW OF STAPLES SPACED 6" APART IN A STAGGERED PATTERN ON EITHER SIDE.
- THE DISCHARGE END OF THE MATTING LAYER SHOULD BE SIMILARLY SECURED WITH 2" DOUBLE ROWS OF STAPLES.

CONSTRUCTION SPECIFICATIONS

- KEY-IN THE MATTING BY PLACING THE TOP ENDS OF A NARROW TRENCH 6" IN DEPTH, BACKFILL THE TRENCH AND FILL TO THE CHANNEL CROSS-SECTION. SECURE WITH A ROW OF STAPLES ABOUT 4" DOWN SLOPE FROM THE TRENCH. STAPLES SHALL BE PLACED 2' ON CENTER BETWEEN STAPLES.
- STAPLE THE 4" OVERLAP IN THE CHANNEL CENTER USING AN 18" SPACING BETWEEN STAPLES.
- 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' ON CENTER FOR EACH STRIP, 3' OUTER ROWS, AND 2' ALTERNATING ROWS DOWN THE CENTER.
- WHERE ONE ROLL OF MATTING ENDS AND ANOTHER BEGINS, THE END OF THE TOP STRIP SHALL OVERLAP THE UPPER END OF THE STRIP BY 4" OVERLAP FASHION. REINFORCE THE OVERLAP WITH A DOUBLE ROW OF STAPLES SPACED 6" APART IN A STAGGERED PATTERN ON EITHER SIDE.
- THE DISCHARGE END OF THE MATTING LAYER SHOULD BE SIMILARLY SECURED WITH 2" DOUBLE ROWS OF STAPLES.

CONSTRUCTION SPECIFICATIONS

- Fencing shall be 42" in height and constructed in accordance with the latest Maryland State Highway Safety Code for Chain Link Fencing. The specification for a 6" fence shall be used, substituting 42" fabric and 6" length posts.
- Chain link fence shall be fastened securely to the fence posts with wire ties. The required except on the ends of the fence.
- Filter cloth shall be fastened securely to the chain link fence with ties spaced every 24" at the top and mid section.
- Filter cloth shall be embedded a minimum of 8" into the ground.
- When two sections of filter cloth adjoin each other, they shall be overlapped by 6" and folded.
- Maintenance shall be performed as needed and silt buildups removed when "bulges" develop in the silt fence, or when silt reaches 50% of fence height.
- Filter cloth shall be fastened securely to each fence post with wire ties or staples at top and mid section and shall meet the following requirements for Geotextile Class F:

Tensile Strength	50 lbs/in (min.)	Test: MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test: MSMT 509
Flow Rate	0.2 gpl/ft (min.)	Test: MSMT 512
Filtering Efficiency	75% (min.)	Test: MSMT 522

CONSTRUCTION SPECIFICATIONS

- Length - minimum of 50' (40' for single residence lot).
- Width - 10" minimum, should be fixed at the existing road to provide a turning radius.
- Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. *The plan approval authority may require geotextile fabric to be placed over the existing ground prior to placing stone.
- Stone - crushed aggregate (2" to 3") or recycled or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the entrance.
- Surface Water - all surface water flowing to or diverted toward construction shall be piped through the entrance, maintaining positive drainage. Pipe installed shall be 4" minimum diameter and a minimum of 6" of stone over the pipe. Pipe has to be placed according to the drainage. When the SCS is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe shall be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.
- Location - A stabilized construction entrance shall be located at every spot where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

SEQUENCE OF CONSTRUCTION - INDIVIDUAL HOUSE

- DAY 1 OBTAIN GRADING PERMIT.
- DAY 2 THE CONTRACTOR(S) IS TO IDENTIFY AND MARK ANY HAZARDOUS CONDITIONS THAT MAY EXIST ON SITE, SUCH AS OVERHEAD POWERLINES, OLD WELLS, GAS LINES, ETC.
- DAY 3-4 INSTALL STABILIZED CONSTRUCTION ENTRANCE, SILT FENCE AND SUPER SILT FENCE.
- DAY 4-10 GRADE SITE AND STABILIZE IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
- DAY 11 INSTALL EROSION CONTROL MATTING IN THE DITCHES AND SWALES. CONSTRUCT HOUSE, INSTALL DRIVEWAY AND UTILITIES. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION.
- DAY 12-60 PERMANENT SEEDING NOTES.
- DAY 61-63 STABILIZE ANY REMAINING DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
- DAY 64-65 UPON APPROVAL OF HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES. PERMANENTLY STABILIZE AS REQUESTED.

NOTE: STORMWATER MANAGEMENT SHALL BE PROVIDED BY ROOFTOP DISCONNECTION AND NON-ROOFTOP DISCONNECTION CREDITS.

1" BITUMINOUS CONCRETE SURFACE
3" BITUMINOUS CONCRETE BASE

FULL DEPTH BITUMINOUS CONCRETE

PAVING SECTION
NOT TO SCALE

PERMANENT SEEDING NOTES

Apply to graded or cleared area not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding. (If not previously loosened)

Soil Amendments: In lieu of soil test recommendations, use on the following schedules.

2.0 STANDARD AND SPECIFICATIONS FOR TOPSOIL

Definition: Topsoil of a prepared subsoil prior to establishment of permanent vegetation.

Purpose: To provide a suitable 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.

Conditions Where Practice Applies:

- This practice is limited to areas having 2:1 or flatter slopes where:
 - The texture of the exposed subsoil/parent material is not adequate to produce vegetative growth.
 - The soil material is so shallow that the rooting zone is not deep enough to support plants or furnish containing water, moisture and plant nutrients.
 - The original soil to be vegetated contains material toxic to plant growth.
- The soil is so acidic that treatment with limestone is not feasible.
- For the purpose of these Standards and Specifications, areas having slopes steeper than 2:1 require special consideration and design for adequate stabilization. Areas having slopes steeper than 2:1 shall have the appropriate stabilization shown on the plans.

Construction and Material Specifications:

- Topsoil salvaged from the existing site may be used provided that 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 sections in the Soil Survey published by USDA-SCS in cooperation with Maryland Agricultural Experiment Station.
- Topsoil Specifications - Soil to be used as topsoil must meet the following:
 - Topsoil shall be a loam, sandy loam, clay loam, silty loam, silty clay loam, or silty clay. Other 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 mixture of contrasting textures and shall contain less than 5% by volume of cinders, stones, slag, coarse fragments, gravel, sticks, roots, trash, or other materials larger than 1/2" diameter.
 - Topsoil must be free of plants or plant parts such as Bermuda grass, quack grass, Johnson grass, nutgrass, poison ivy, weeds, or others as specified.
 - Where the subsoil is either highly acidic or composed of heavy clays, ground limestone 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. Lime shall be distributed uniformly over designated areas and worked into the soil in conjunction with tillage operations in the following procedures.
- For sites having disturbed areas under 5 acres:
 - Place topsoil (if required) and apply soil amendments as specified in 2.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.
- For sites having disturbed areas over 5 acres:
 - On soil meeting topsoil specifications, obtain test results dictating fertilizer and lime amendments required to bring the soil into compliance with the following:
 - pH for topsoil shall be between 6.0 and 7.5. If the natural soil demonstrates a pH of less than 6.0, sufficient lime shall be prescribed to raise the pH to 6.5 or higher.
 - Organic content of topsoil shall be not less than 1.5 percent by weight.
 - Topsoil having soluble salt content greater than 500 parts per million shall not be used.
 - No soil or seed shall 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 phytotoxic materials.
 - Note: 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.
 - Place topsoil (if required) and apply soil amendments as specified in 2.0 Vegetative Stabilization - Section I - Vegetative Stabilization Methods and Materials.

NOTES:

- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT PER THE RECORD PLAN.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 SQUARE FEET AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF AND NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PLAT SHALL NOT BE NECESSARY. RECORDATION OF A MODIFIED SEWERAGE EASEMENT WITHIN 100 FEET OF THE PROPERTY.
- TOPOGRAPHY SHOWN HEREON WAS PREPARED BY BENCHMARK ENGINEERING, INC DATED NOVEMBER 2009.
- EXACT LENGTH OF SEPTIC TRENCHES ARE TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PERMIT ISSUANCE.
- THE EXISTING WELLS SHOWN ON THIS PLAN ARE FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND ACCURATELY SHOWN.
- SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION.
- SELECTIVE CLEARING OF TREES MAY TAKE PLACE IN THE SEPTIC RESERVE AREA AND AROUND THE SEPTIC PIPE AND TANK.
- ALL DRAINAGE AND STORMWATER MANAGEMENT FEATURES USED ON THIS SITE MUST COMPLY WITH THE APPROVED ROAD CONSTRUCTION PLANS.
- THE EXISTING WELLS SHOWN ON THIS PLAN ARE FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND ACCURATELY SHOWN.
- ALL SEDIMENT AND EROSION CONTROL FEATURES USED ON THIS SITE SHALL COMPLY WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- THE EXISTING WELL SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-94-4138) HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.
- STORMWATER MANAGEMENT FOR THIS CONSTRUCTION IS PROVIDED BY ROOFTOP AND NON-ROOFTOP DISCONNECTION AS SHOWN ON THIS PLAN AND IN THE ASSOCIATED REPORT.

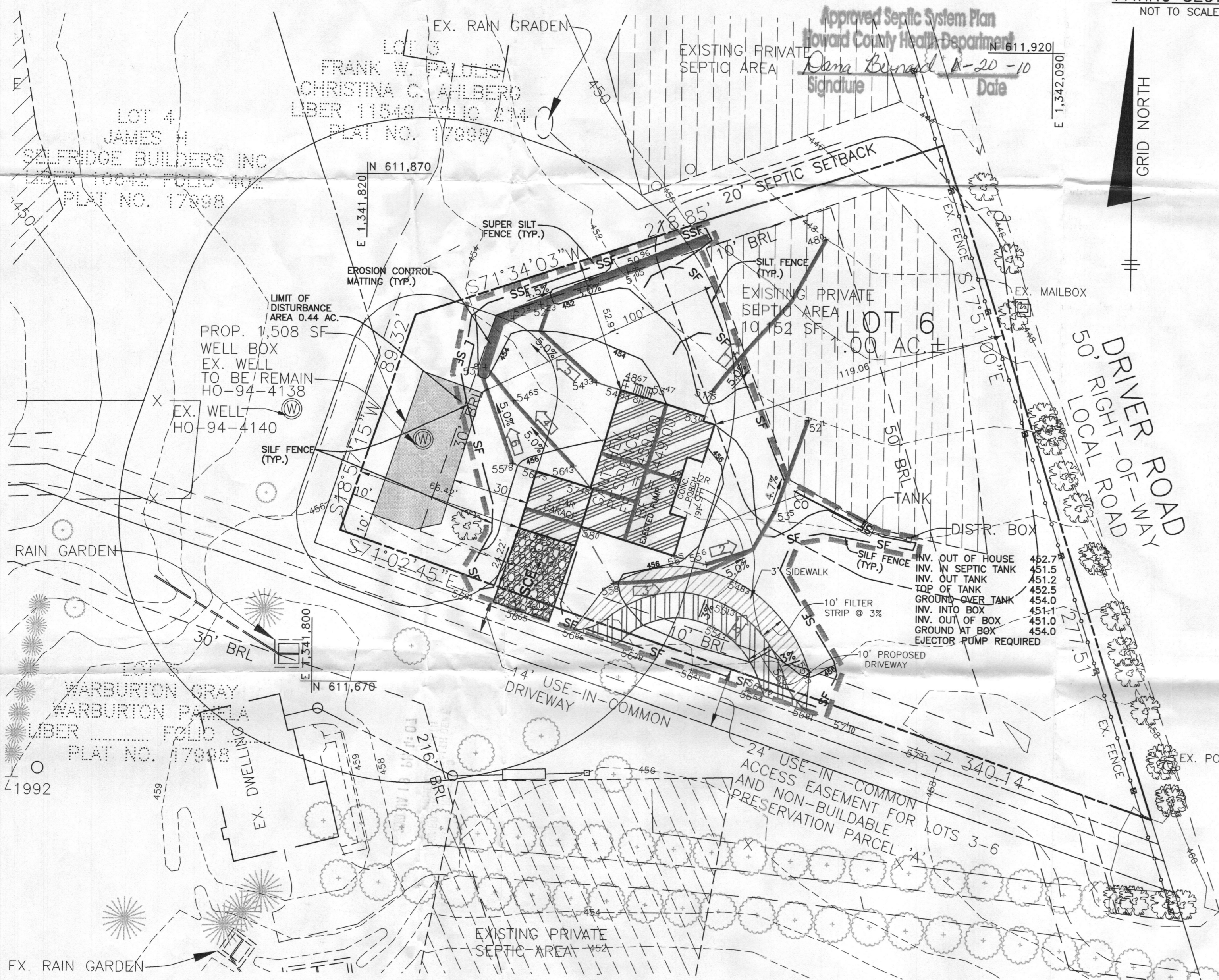
ALL SEDIMENT CONTROL FEATURES SHALL BE INSTALLED IN ACCORDANCE WITH STANDARDS SET FORTH IN THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.

I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF KNOWLEDGE AND BELIEF.

PLAN PREPARER
JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC.

APPROVED:
FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER DATE



TEMPORARY SEEDING NOTES

Apply to graded or cleared areas likely to be redistributed where a short-term vegetative cover is needed.

Seeded Preparation: Loosen upper three inches of soil by raking, discing or other acceptable means before seeding. (If not previously loosened)

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sf).

Seeding: For periods March 1 through April 30 and from August 15 through November 15, seed with 2-1/2 bushel per acre of annual rye (3.2 lbs/1000 sf). For the period May 1 through August 14, seed with 3 lbs per acre of Weeping Lovegrass (0.07 lbs/1000 sf). For the period November 16 through 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 seed.

Mulching: Apply 1-1/2 to 2 tons per acre (70 to 90 lbs/1000 sf) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sf) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gal/1000 sf) for anchoring.

Maintenance: Inspect all seeded areas and make needed repairs, replacements and reseedings.

SEDIMENT CONTROL NOTES

- A minimum of 48 hours notice must be given to the Howard County Department of Inspections and Permits, Sediment Control Division prior to the start of any construction (410-313-1855).
- All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the most current Maryland Standards and Specifications for Soil Erosion and Sediment Control.
- Following initial soil disturbances or redistribution, permanent or temporary stabilization shall be completed within: a) 7 calendar days for all perimeter sediment control structures, dikes, perimeter slopes and all slopes greater than 3:1, b) 14 calendar days as to all other disturbed or graded areas on the project site.
- All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the Howard County Design Manual, Storm Drainage.
- All disturbed areas must be stabilized within the time period specified for Soil Erosion and Sediment Control for Permanent Seeding (Sec. 51) and Temporary Seeding (Sec. 52) and Mulching (Sec. 52).
- Temporary stabilization with mulch alone can only be done on areas where recommended seeding dates do not allow for proper germination and establishment of grasses.
- 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 Howard County Sediment Control Inspector.

SEEDING NOTES

- Total Area of Site: 1.05 Ac.±
- Area to be Disturbed: 0.44 Ac.±
- Area to be roofed or paved: 0.11 Ac.±
- Area to be vegetatively stabilized: 0.33 Ac.±
- Total Cut: 383 C.Y. SEE NOTE 12
- Total Fill: 313 C.Y. SEE NOTE 12
- Offsite Waste/Borrow Area Location: *

8. Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.

9. Additional sediment control must be provided, if deemed necessary by the Howard County DPW 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 limited to three pipe lengths or that which can be back filled and stabilized within one working day, whichever is shorter.

12. Quantities and estimates shown are for sediment control purposes only. Contractor shall prepare his/her own quantity estimates to his/her satisfaction.

* It is the responsibility of the contractor to identify the soil/borrow site and notify and gain approval from the sediment control inspector of the site and its grading permit number at the time of construction.

LOT 6
SCALE: 1" = 30'

BENCHMARK ENGINEERING, INC.
ENGINEERS • LAND SURVEYORS • PLANNERS

8480 BALTIMORE NATIONAL PIKE # SUITE 418
ELLCOTT CITY, MARYLAND 21043
PHONE: 410-465-6105 FAX: 410-465-6644
BEI-CIVILENGINEERING.COM

NO.	DATE	REVISION

BUILDER: JST BUILDERS INC.
6030 DAYBREAK CIRCLE
SUITE # 150
CLARKSVILLE, MARYLAND 21029
PHONE: 410-884-0334
FAX: 410-884-3983

PROJECT: ANTONIS PROPERTY
LOT 6

LOCATION: TAX MAP NO. 10, GRID No. 4
PARCEL 271
3rd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: BULGING PERMIT AND REVISED
PERCOLATION CERTIFICATION PLAN

DATE: JANUARY, 2010 **PROJECT NO.:** 2311

Design: HP **Draft:** HP **Check:** DAM **SCALE:** 1" = 30' **DRAWING:** 1 OF 1