



**Bureau of Environmental Health**  
 8930 Stanford Boulevard, Columbia, MD 21045  
 Main: 410-313-2640 | Fax: 410-313-2648  
 TDD 410-313-2323 | Toll Free 1-866-313-6300  
[www.hchealth.org](http://www.hchealth.org)  
 Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

Maura J. Rossman, M.D., Health Officer

RECEIPT DATE: 9/20/16 **ONSITE SEWAGE DISPOSAL SYSTEM** P 559471-A

APPROVAL DATE: 10/18/16 **PERMIT: CONSTRUCTION** A \_\_\_\_\_

PROPERTY ADDRESS: 12721 Milo Court

SUBDIVISION: Terrapin Creek LOT: 6 TAX ID: 03-596029

CONTRACTOR: WTC Contractors EMAIL: \_\_\_\_\_

CONTRACTOR ADDRESS: 3033 Salem Bottom Road, Westminster, MD 21157 PHONE: 443-458-7024

CONTRACTOR CERTIFIED FOR BAT INSTALLATION:  MDE  MANUFACTURER:

PROPERTY OWNER: LDG Inc. EMAIL: \_\_\_\_\_

OWNER ADDRESS: 8601 Georgia Avenue, Silver Spring, MD 20110 PHONE: 301-585-7000

BAT UNIT MODEL: Norweco TNTLP-500 PUMP SIZE: \_\_\_\_\_ PUMP TANK CAPACITY: \_\_\_\_\_

OPERATION & MAINTENANCE AGREEMENT DATE SIGNED: 8/10/16 DATE RECORDED: 8/10/16

DISTRIBUTION SYSTEM:  GRAVITY  PRESSURE DOSED BEDROOMS: 5 APPLICATION RATE: 0.8

TRENCHES:	LINEAR FEET REQUIRED: <u>112</u>	INLET DEPTH: <u>3</u>
	TRENCH WIDTH: <u>3</u>	MAXIMUM BOTTOM DEPTH: <u>8</u>
	MINIMUM SPACE BETWEEN TRENCHES: <u>10</u>	EFFECTIVE AREA BEGINNING DEPTH: <u>4</u>

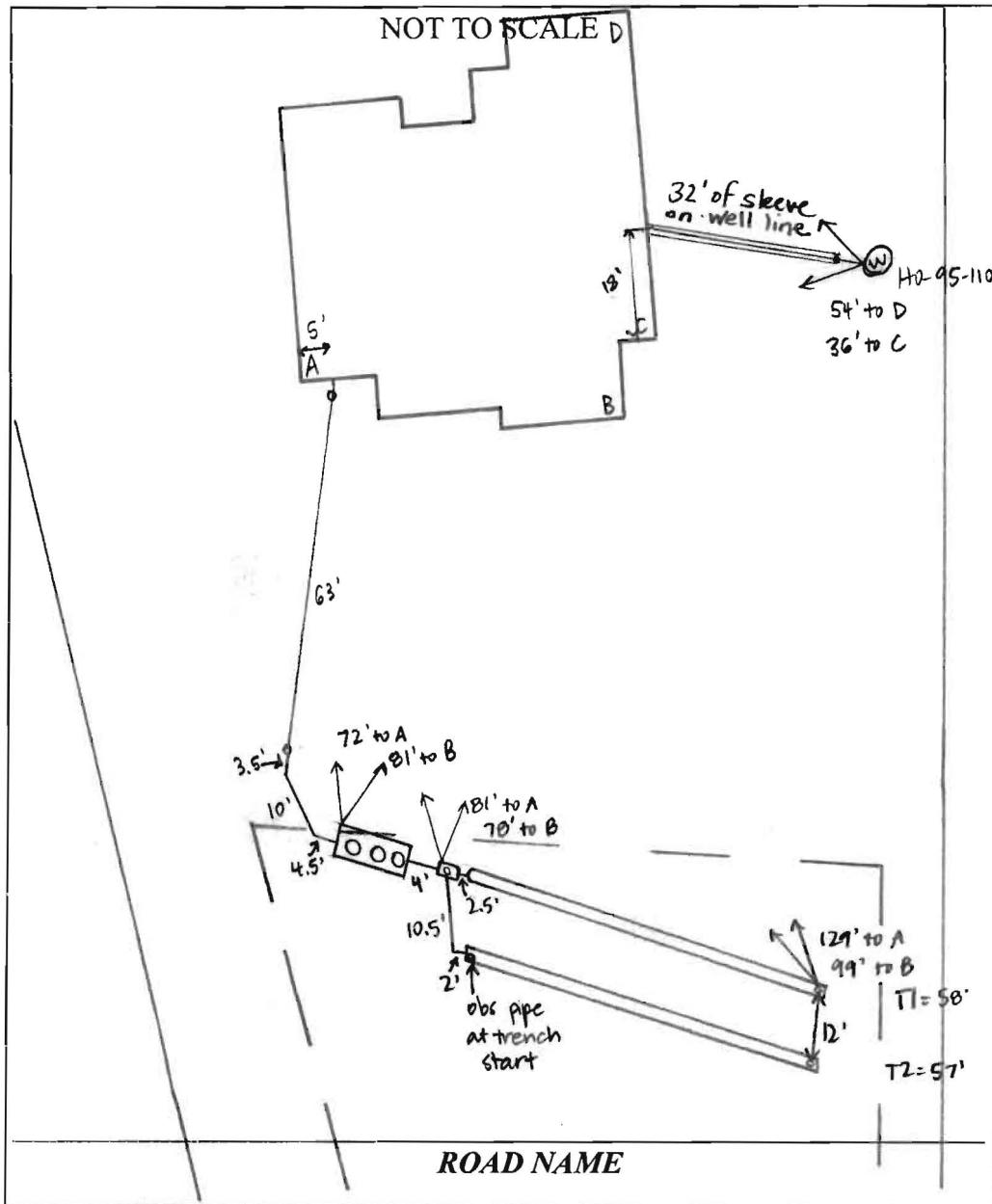
LOCATION: **PER APPROVED SITE PLAN. SEWAGE DISPOSAL AREA AND BAT UNIT LOCATION MUST BE STAKED BY LICENSED SURVEYOR PRIOR TO PRE-CONSTRUCTION INSPECTION.**

NOTES:

ISSUED BY: Hank Oswald ISSUE DATE: 9/20/16 EXPIRATION DATE: 9/20/17

- NOTE: CONTRACTOR MUST SCHEDULE A PRE-CONSTRUCTION INSPECTION PRIOR TO BEGINNING ANY INSTALLATION
- NOTE: CONTRACTOR MUST SCHEDULE AN INSPECTION AND GAIN APPROVAL OF ALL COMPONENTS PRIOR TO COVERING
- NOTE: STONE MUST BE APPROVED BY HEALTH DEPARTMENT AND GRAVEL TICKET MUST BE AVAILABLE FOR REVIEW.
- NOTE: WATERTIGHT SEPTIC TANKS REQUIRED
- NOTE: ALL PARTS OF SEPTIC SYSTEM SHALL BE AT LEAST 100 FEET DOWNGRADIENT FROM ANY WATER WELL
- NOTE: MANHOLE RISERS REQUIRED ON ALL SEPTIC TANKS AND PUMP CHAMBERS
- NOTE: AN ELECTRICAL PERMIT IS REQUIRED FOR INSTALLATION OF ANY ELECTRICAL COMPONENTS OF THE SYSTEM
- ELECTRICAL PERMIT ISSUED E 16003037
- NOTE: AN INDIVIDUAL CERTIFIED BY MDE AND THE MANUFACTURER FOR BAT INSTALLATION MUST BE PRESENT AT ALL TIMES DURING BAT INSTALLATION.
- NOTE: MDE RECOMMENDS SEPTIC TANKS, BAT, AND OTHER PRETREATMENT UNITS BE PUMPED AT A FREQUENCY ADEQUATE TO ENSURE THAT SOLIDS ARE NOT DISCHARGED TO THE DISPOSAL AREA

**NEITHER THE HOWARD COUNTY COUNCIL NOR THE HEALTH DEPARTMENT IS RESPONSIBLE FOR THE SUCCESSFUL OPERATION OF ANY SYSTEM.  
 PERMITTEE RESPONSIBLE FOR OBTAINING FINAL APPROVAL ON THIS PERMIT.  
 CALL 410-313-1771 TO SCHEDULE INSPECTIONS.**



TRENCH/DRAINFIELD DATA		
WIDTH	INLET	BOTTOM
3'	3'	8'
NUMBER OF TRENCHES		2
TOTAL LENGTH		115'
ABSORPTION AREA		345' + SIDEWALL
DISTRIBUTION BOX LEVEL		YES
DISTRIBUTION BOX BAFFLE		YES
DISTRIBUTION BOX PORT		YES

SEPTIC TANK DATA	
SEPTIC TANK I LEVEL	YES
MANUFACTURER	BACKRIVER/ NORWECO
CAPACITY	1300 GAL
SEAM LOC	TOP
TANK LID DEPTH	1-1.5'
BAFFLES	NO
BAFFLE FILTER	NO
MANHOLE LOC	FRONT, MID, REAR
6" PORT LOC	NONE
WATERTIGHT TEST	NO
SLOTTED	NO
DATE ON LID	8-26-16

PUMP/SEPTIC TANK LEVEL	
MANUFACTURER	
CAPACITY	GAL
SEAM LOC	
TANK LID DEPTH	
BAFFLES	
BAFFLE FILTER	
MANHOLE LOC	
6" PORT LOC	
WATERTIGHT TEST	
SLOTTED	
DATE ON LID	

**PRE-CONSTRUCTION:**

9/30/16 laid out 2x56' trench p.r. BAT site plan. Tank staked per plan. OK to install system per permit. (KW)

**INSTALLATION:** 10/5/16 House connection made. Tank + D-box set. T2 finished + left open at ends. WTC digging and adding stone to T1. Using laser to check depths. 2.5' to stone 8-8.5' to bottom (higher point mid trench). Levelled speed levelers in D-box. T1 finished while on site. Need BAT startup certification. (SC) 10/18/16 BAT startup certification received. (SC) 3/8/17 On site for Nonweco startup. Alarm sounds, aerator runs. (SC)

FINAL INSPECTOR Sarah Collins DATE OF APPROVAL 10/18/16

# Back River Pre-Cast, LLC

PO BOX 329  
Glyndon, MD 21071  
Phone # 410-833-3394  
Fax # 410-833-4116

## Letter of Certification

This is to certify that the Norweco Singulair TNT 600 GPD Septic Tank installed at 12721 Milo Ct., Sykesville, MD 21784 October 5, 2016 was installed according to the manufacture's specifications.

Installer: Walter Coon

Property Owner: Catonsville Homes, LLC

Permit #

**THIS CERTIFICATION IS FOR INSTALLATION ONLY. THE 5-YEAR OPERATIONS & MAINTENANCE AGREEMENT FROM DATE OF INSTALLATION WILL ONLY GO INTO EFFECT AFTER BACK RIVER PRE-CAST, LLC RECEIVES FINAL AND FULL PAYMENT FOR THE SYSTEM.**

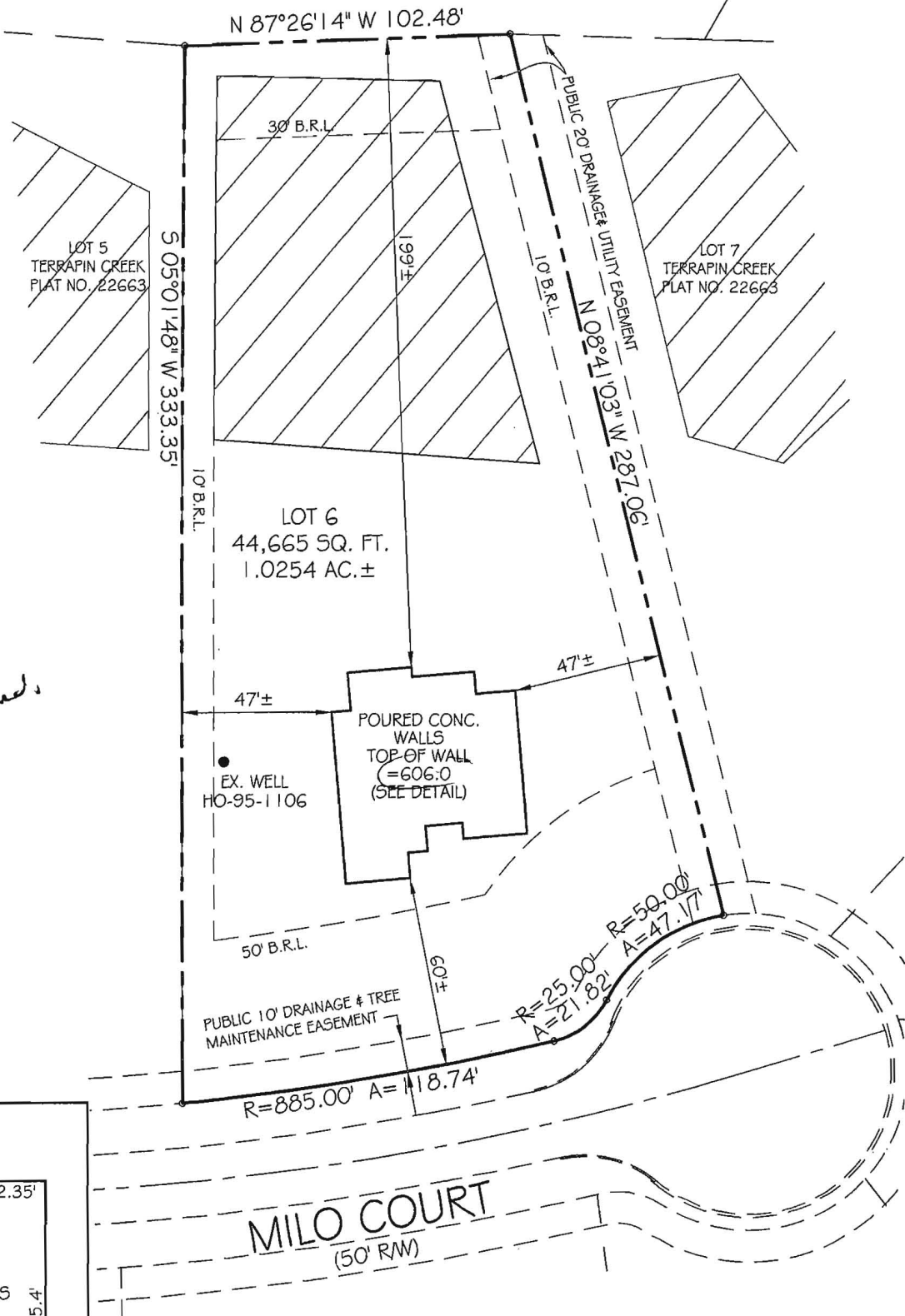


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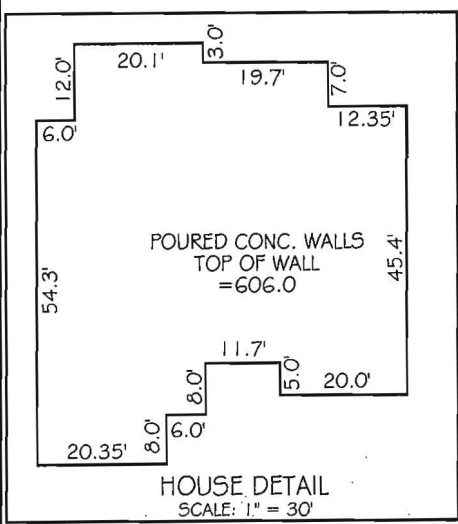
MATTHEW GECKLE

Vice-President

NON-BUILDABLE  
PRESERVATION  
PARCEL "C"  
TERRAPIN CREEK  
PLAT NO. 22663



9/20/16  
Wall check approved  
(Handwritten signature)



- NOTES:
- 1) FOUNDATION AND FOOTINGS ARE IN PLACE AS SHOWN HEREON.
  - 2) BUILDING TIES ARE ±0.5' UNLESS OTHERWISE NOTED.
  - 3) TOP OF WALL = 606.0

PROFESSIONAL CERTIFICATION:

I HEREBY CERTIFY THAT THIS DOCUMENT WAS PREPARED BY ME OR UNDER MY RESPONSIBLE CHARGE, AND THAT I AM A DULY LICENSED PROFESSIONAL LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 21037, EXPIRATION DATE, JULY 26, 2017, IN ACCORDANCE WITH COMAR 09.13.06.12.

*(Signature)*  
 For VanMar Associates, Inc.  
 Thomas L. Frazier, Jr., Professional Land Surveyor  
 Date: 7/22/16

WALL CHECK DRAWING  
LOT 6  
TERRAPIN CREEK

PLAT No. 22663  
12721 MILO COURT  
THIRD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE: 1" = 50' JULY, 2016

I CERTIFY THIS PLAT TO BE CORRECT, IT IS THE RESULT OF AN ACTUAL FIELD SURVEY, BASED ON DATA FOUND AMONG THE LAND RECORDS OF HOWARD COUNTY, MARYLAND, AS REFERENCED HEREON.

REFERENCE	JOB NO.
PLAT NO. 22663	B4-5428

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

## Ron Thompson

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**From:** Oswald, Hank <hoswald@howardcountymd.gov>  
**Sent:** Friday, May 13, 2016 11:02 AM  
**To:** Ron Thompson  
**Subject:** BAT Plan\_12721 Milo Court\_Terrapin Creek\_Lot 6  
**Attachments:** Septic Spec\_12721 Milo Court.pdf

Hi Ron:

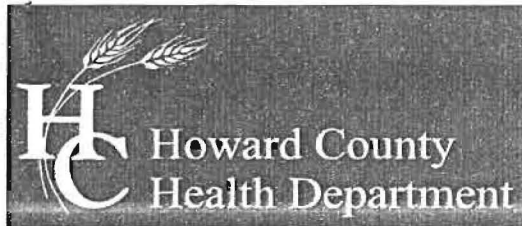
Good morning. The following comments pertain to the BAT Plan for 12721 Milo Court:

- 1.) Use side wall credit of 0.36 with a bottom max trench depth of 8 feet instead of 7 feet and a sidewall credit of 0.42. Please see attached septic spec worksheet.
- 2.) Address 10 foot setback requirement between alternate well site and driveway.
- 3.) Note Only: Floor plan shows 5 BRs with a potential for more BRs in the unfinished basement. I will notify Pam Walter about this.

Should you have any questions, please don't hesitate to ask.

Hank

Hank Oswald, L.E.H.S.  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
410.313.2648 (Fax)



**Bureau of Environmental Health**

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TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

**Maura J. Rossman, M.D., Health Officer**

**OPERATION AND MAINTENANCE AGREEMENT  
FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM  
HAVING AN ADVANCED PRE-TREATMENT SYSTEM**

THIS AGREEMENT is made this 10<sup>th</sup> day of AUGUST 2014, among Catonsville Homes, L.L.C., hereinafter collectively referred to as "Owner", and the Howard County Health Department hereinafter referred to as the "County".

WHEREAS, Owner is the owner or contract owner of a parcel of land located at 12721 Milo Court, Sykesville, MD 21784 (Lot 6), in the 03 Election District of Howard County, Maryland, and the deed to same is recorded or shall be recorded among the Land Records of Howard County, Maryland in Liber 01988 Folio 00258.

WHEREAS, The Lot is suitable for the installation of a conventional on-site sewage disposal system with an advanced pre-treatment system, utilizing best available technology to perform nitrogen reduction, in accordance with the Code of Maryland Regulations 26.04.02.07, effective January 1, 2013. The pre-treatment device being installed is Norweco Singulair TNT 600.

NOW, THEREFORE, the parties hereto agree as follows:

A. Owner hereby grants to the County the right to enter upon the Lot at any reasonable time for access to the system to make periodic inspections and the Owner agrees to provide any information and data in Owner's possession reasonably requested and needed by the County to develop accurate and thorough test results.

B. Owner acknowledges and agrees that neither the County nor any of its agents or employees, either officially or individually, underwrites the operation of any system approved by them.

C. The Owner will devote reasonable care and effort to the operation and maintenance of the system in perpetuity or until a public sewer connection is made so that a system malfunction is not the result of poor maintenance, faulty operation, or neglect.

D. The Owner agrees to enter into a contract reasonably acceptable to the Owner and the County with a private entity to operate and maintain on a regularly scheduled basis an approved advanced pre-treatment system. The owner shall supply a copy of the contract to the County when it is renewed or altered.

E. This agreement shall run with the land and upon Owner's taking title to the Lot shall bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as long as the property is in existence and after installation of the system. Owner further agrees that they shall inform in writing any subsequent purchaser or lessee of the Lot that the system shall require

maintenance or other attention. Upon taking title to the Lot, the Owner agrees to cause this agreement to be recorded in the Land Records of Howard County and assure that it becomes part of the Deed for the subject property in order that prospective buyers may be aware of the special conditions affecting this property.

F. This agreement shall not be construed to limit any authority of the County to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within its authority.

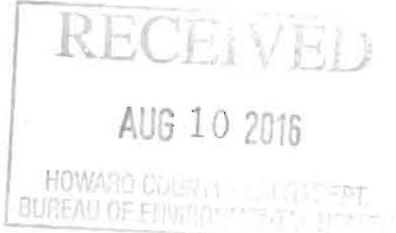
G. This agreement may be voided at any time at the discretion of the County.

H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.

I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.

J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

IN WITNESS WHEREOF, the parties have signed and sealed this agreement on the date indicated above.



Best Nujan 8/10/2016  
Howard County Health Department  
CATONSVILLE HOMES, LLC

24<sup>c</sup> [Signature] 8/8/16  
Owner #1 Signature Date  
ROBERTA A. SCRANTON

\_\_\_\_\_  
Owner #2 Signature Date

\_\_\_\_\_  
Owner #1 Print Name

\_\_\_\_\_  
Owner #2 Print Name

[Signature] 6/11/16  
Buyer #1 Signature Date

[Signature] 6/11/2016  
Buyer #2 Signature Date

VISHAL MEHTA  
Buyer #1 Print Name

Purvi Desai  
Buyer #2 Print Name

**CATONSVILLE HOMES, LLC  
OPERATING MAINTENANCE AGREEMENTS**

8/10/2016

- |    |   |                  |                           |
|----|---|------------------|---------------------------|
| 1. | <b>TC4-Mallampati-Devonshire</b><br>2015 Terrapin Creek Road 2  | <b>B16000079</b> | <b>O&amp;M</b><br>8/10/16 |
| 2. | <b>TCA-Gladstein-Ashland</b><br>12707 Milo Court 21784          | <b>B16000971</b> | <b>O&amp;M</b><br>8/10/16 |
| 3. | <b>TC10-Apte-Devonshire</b><br>12726 Milo Court 21784           | <b>B16001641</b> | <b>O&amp;M</b><br>8/10/16 |
| 4. | <b>TC6-Mehta-Charleston II</b><br>12721 Milo Court 21784        | <b>B16001946</b> | <b>O&amp;M</b><br>8/10/16 |
| 5. | <b>TC17-Shah-Charleston II</b><br>2026 Terrapin Creek Road 2    | <b>B16002635</b> | <b>O&amp;M</b><br>8/10/16 |
| 6. | <b>TC2-Challagulla-Devonshire</b><br>2007 Terrapin Creek Road 2 | <b>B16002795</b> | <b>O&amp;M</b><br>8/10/16 |
| 7. | <b>TC14-Gandhi-Devonshire</b><br>12710 Milo Court 21784         | <b>B16003009</b> | <b>O&amp;M</b><br>8/10/16 |

Clerk of the Circuit Court for  
Howard County  
Land Records/Licensing

The Thomas Dorsey Building  
9250 Bendix Road  
Columbia, MD 21045  
410-313-5850

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Reference/Control #: 69

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LR - Agreement Recording Fee
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Grantor/Grantee Name: catonsville homes
Reference/Control #: 70

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Reference/Control #: 71

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Grantor/Grantee Name: catonsville homes
Reference/Control #: 75

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Total: 420.00
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REV-Check-BDA 420.00
Number : 23140
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08/10/2016 14:15 CC13-SB  
#6702903 /496/109  
~ Thank you for visiting us today ~

B-4-2 STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS

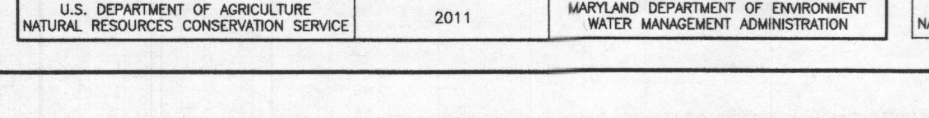
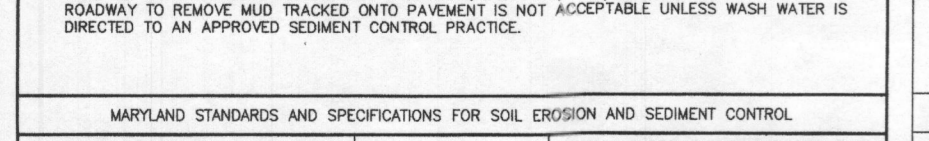
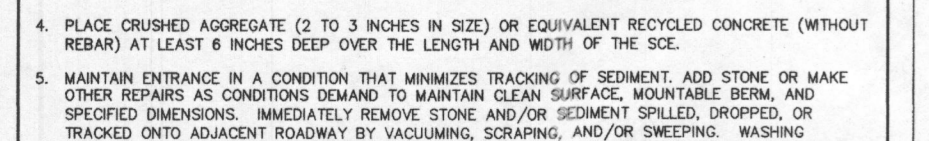
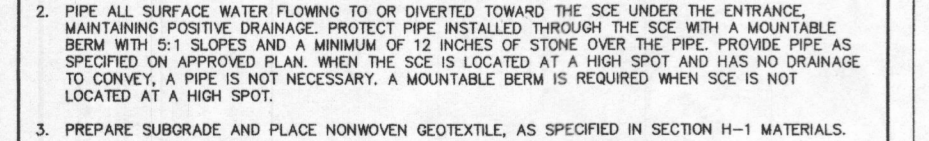
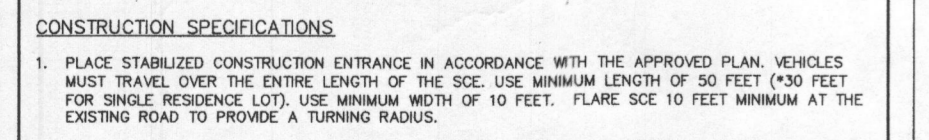
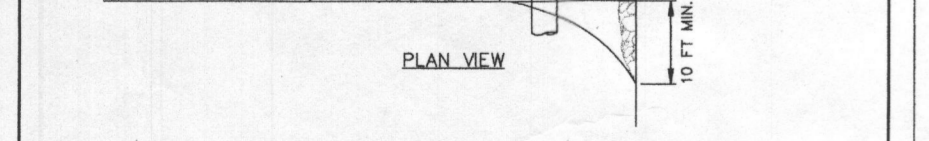
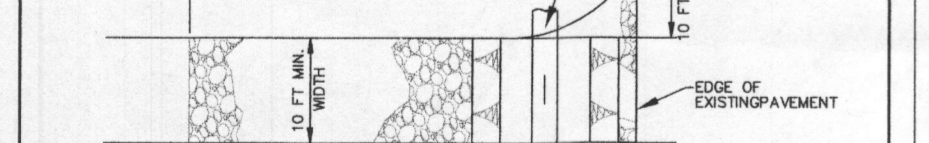
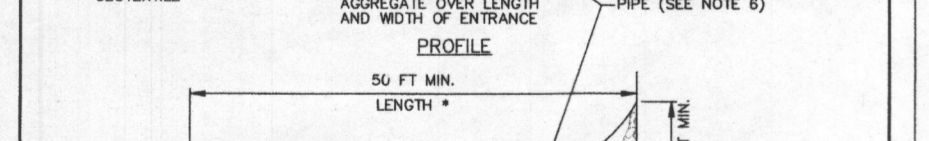
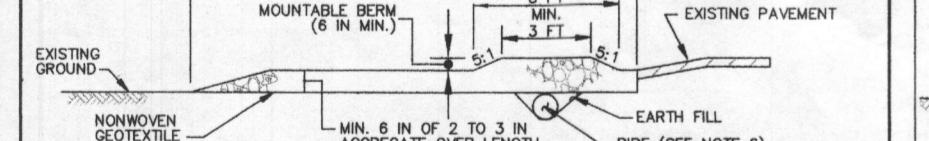
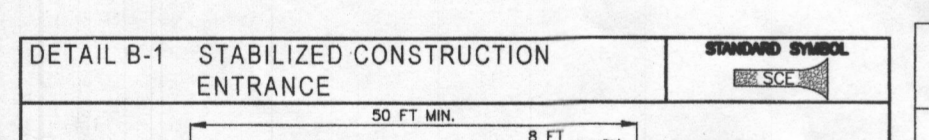
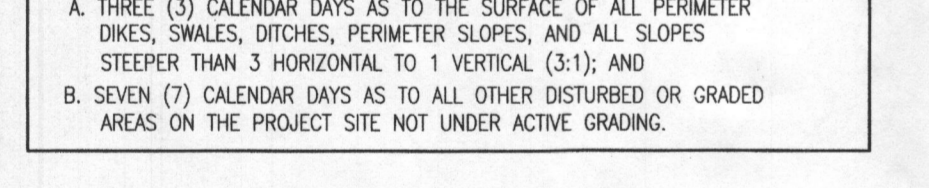
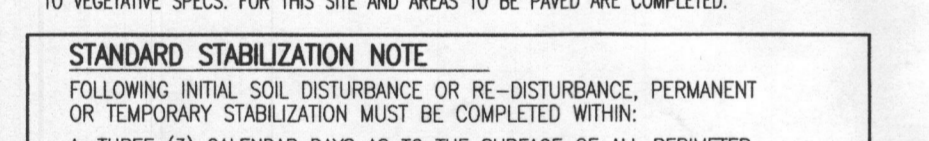
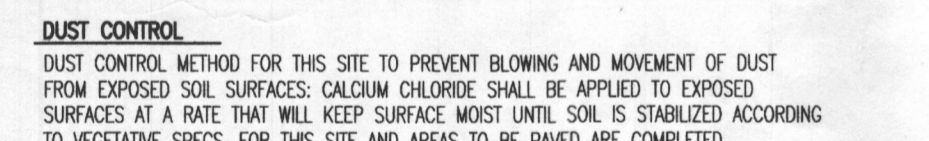
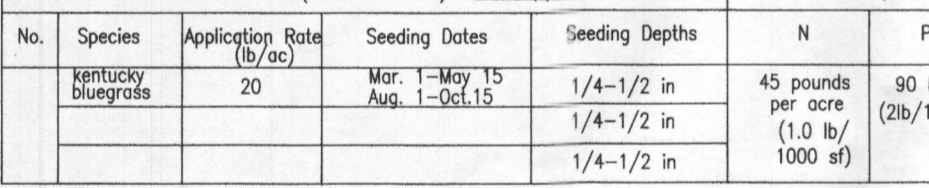
Definition: The process of preparing the soils to sustain adequate vegetative stabilization. Purpose: To provide a suitable soil medium for vegetative growth.

TEMPORARY STABILIZATION SPECIFICATIONS TABLE. Columns: No., Species, Application Rate (lb/oc), Seeding Dates, Seeding Depths, Fertilizer Rate, Lime Rate.

PERMANENT STABILIZATION SPECIFICATIONS TABLE. Columns: No., Species, Application Rate (lb/oc), Seeding Dates, Seeding Depths, N, P205, K20, Lime Rate.

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

STANDARD STABILIZATION NOTE. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN...



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

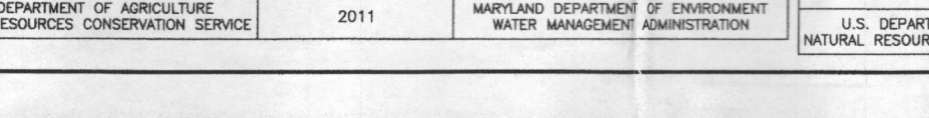
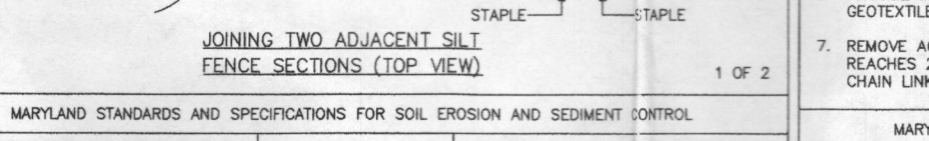
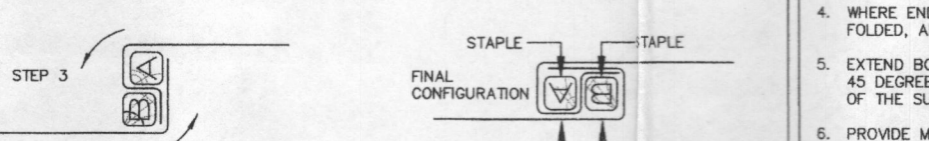
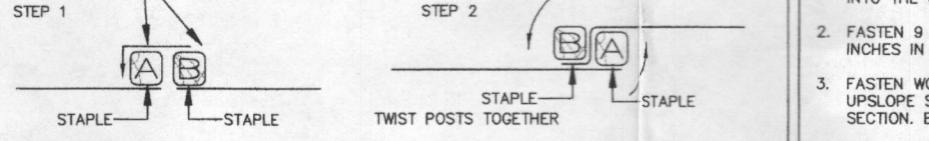
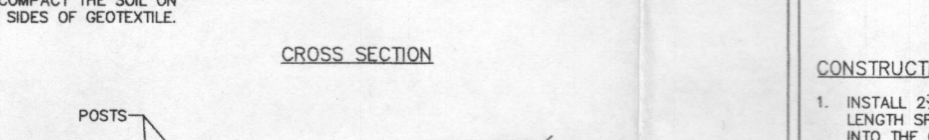
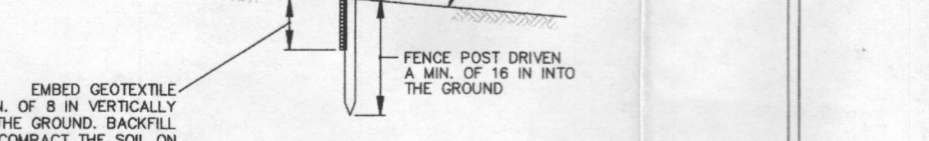
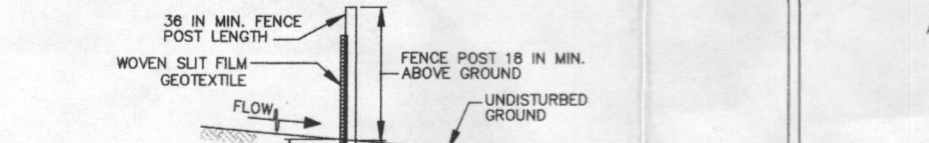
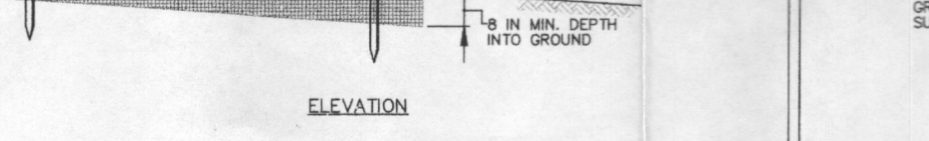
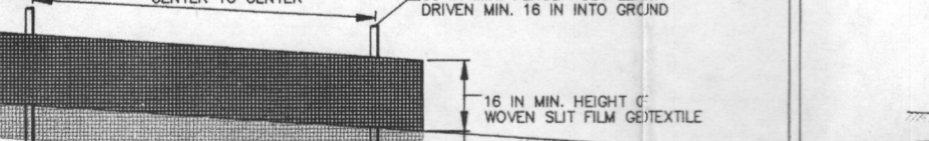
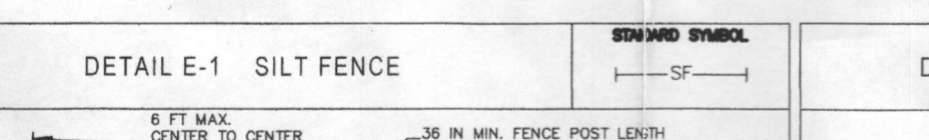
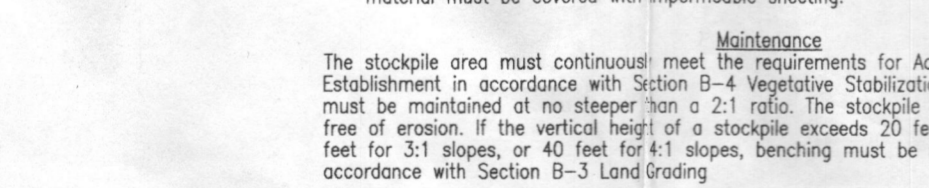
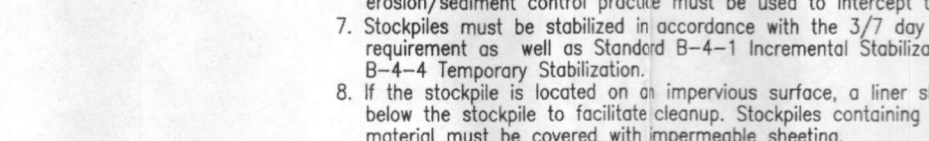
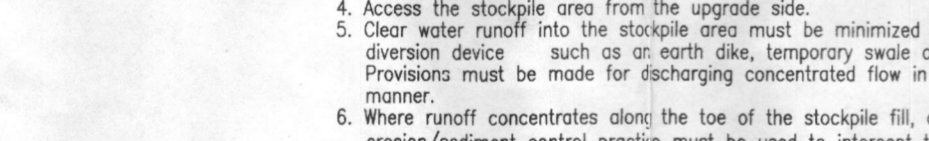
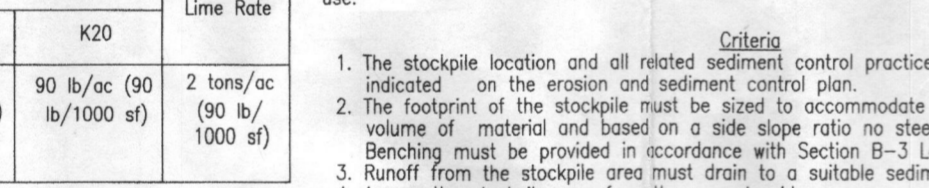
Definition: The application of seed and mulch to establish vegetative cover. Purpose: To protect disturbed soils from erosion during and at the end of construction.

TEMPORARY STABILIZATION SPECIFICATIONS TABLE. Columns: No., Species, Application Rate (lb/oc), Seeding Dates, Seeding Depths, Fertilizer Rate, Lime Rate.

PERMANENT STABILIZATION SPECIFICATIONS TABLE. Columns: No., Species, Application Rate (lb/oc), Seeding Dates, Seeding Depths, N, P205, K20, Lime Rate.

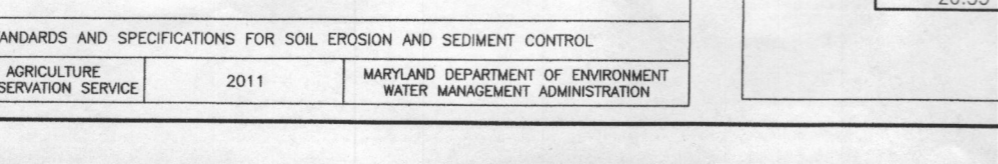
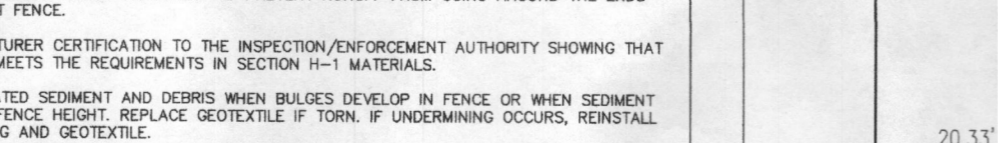
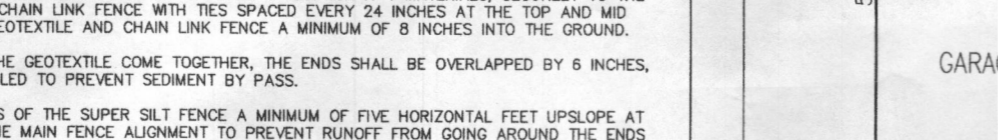
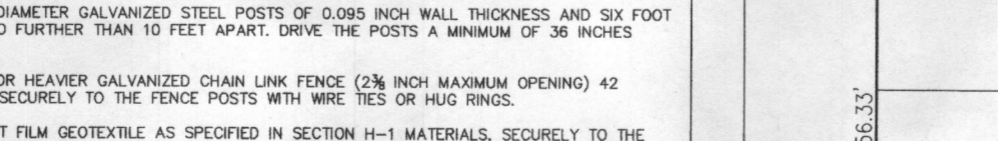
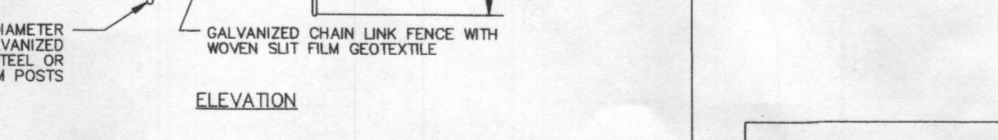
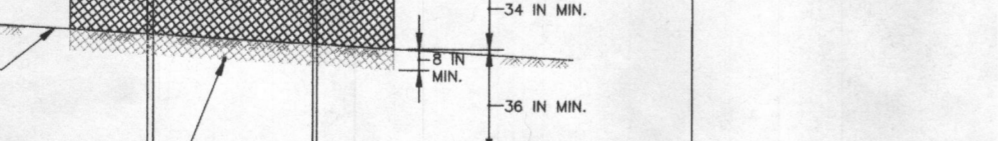
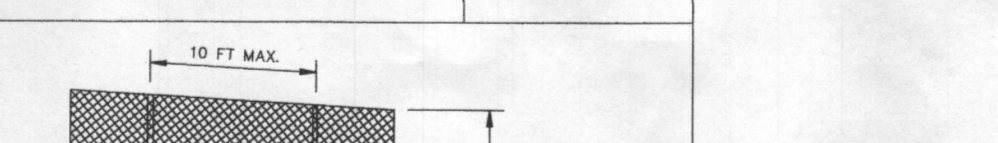
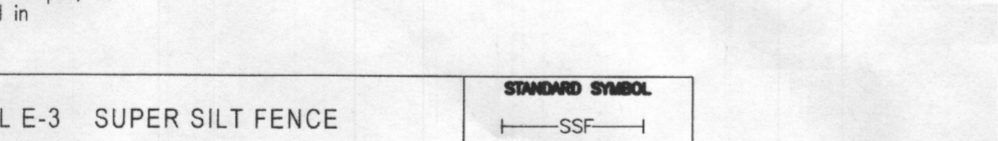
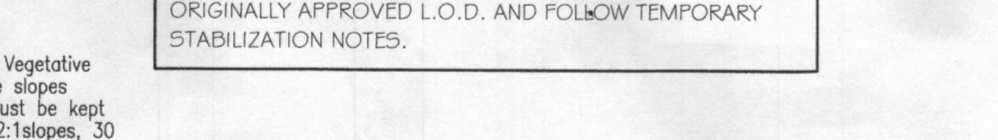
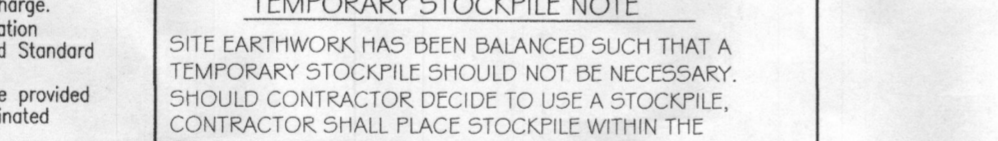
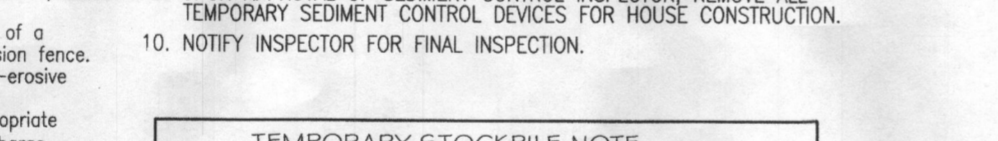
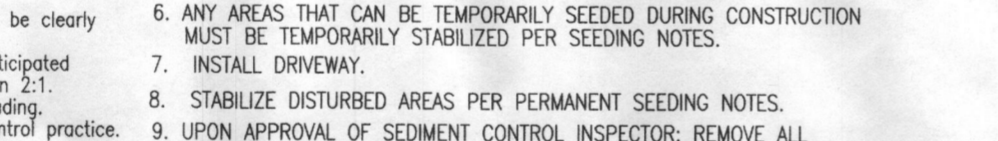
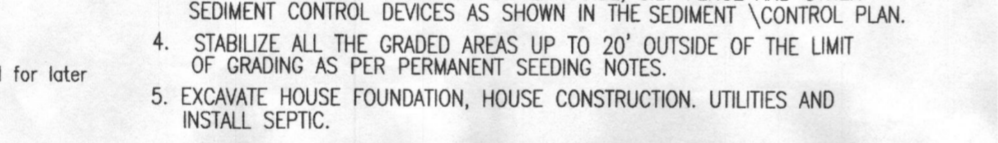
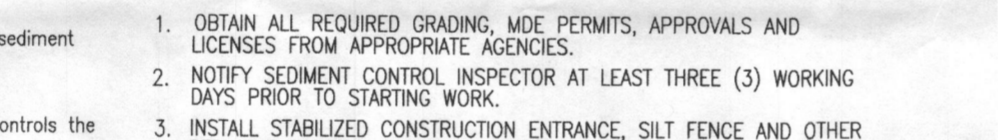
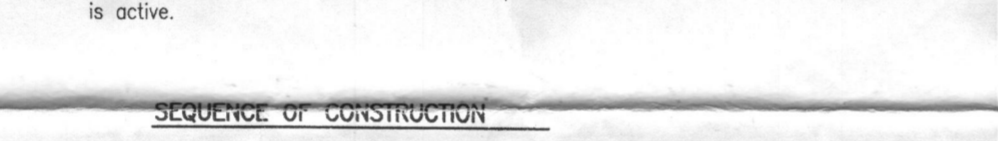
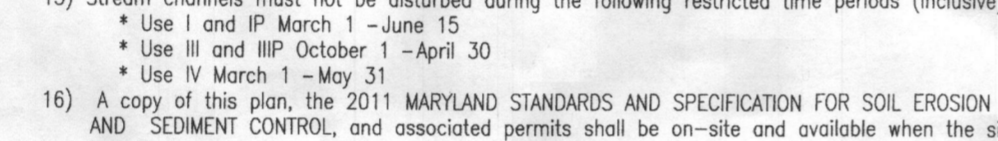
DUST CONTROL. DUST CONTROL METHOD FOR THIS SITE TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES.

STANDARD STABILIZATION NOTE. FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN...



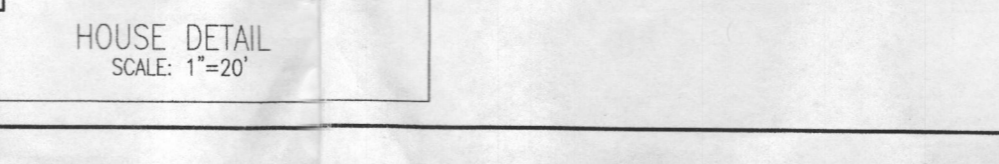
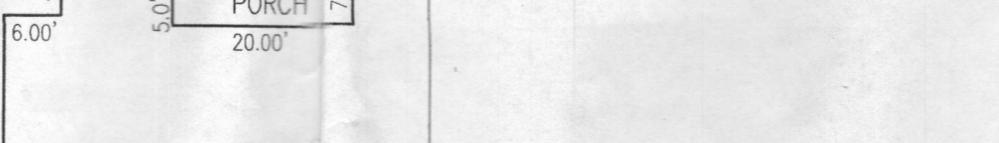
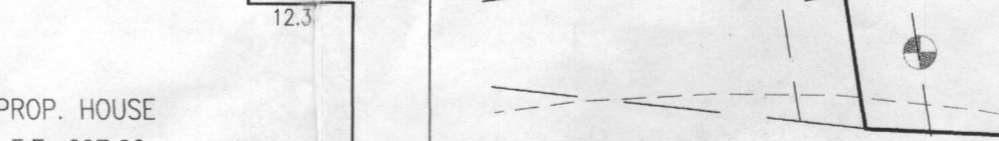
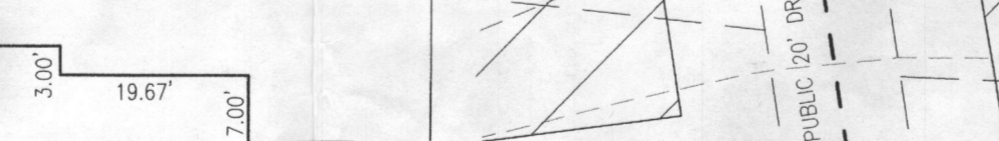
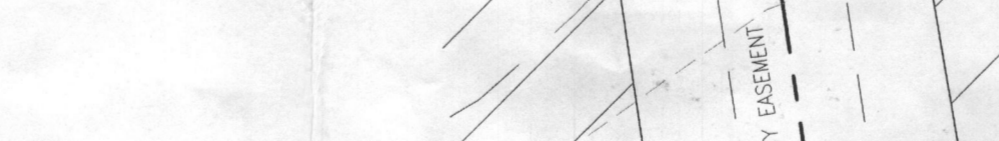
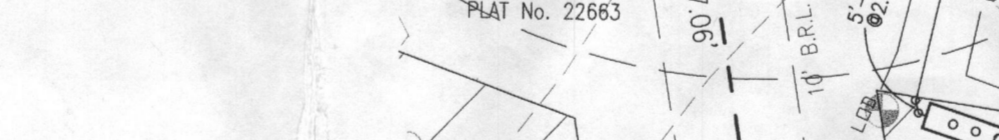
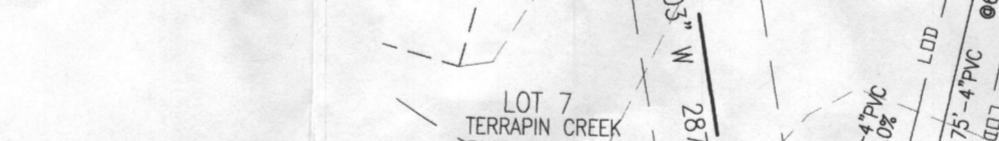
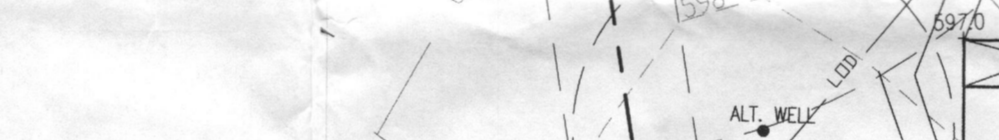
HOWARD COUNTY CONSERVATION DISTRICT STANDARD SEDIMENT CONTROL NOTES

- 1) A pre-construction meeting must occur with the Howard County Department of Public Works, Construction Inspection Division (CID), 410-313-1855 after the future LOD and protected area marked clearly in the field.

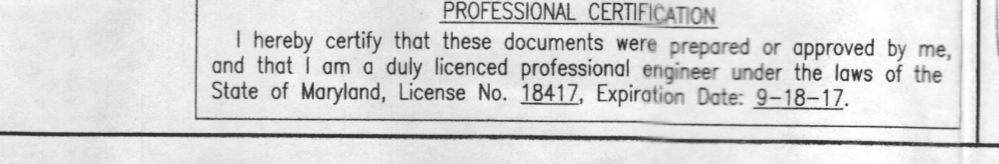
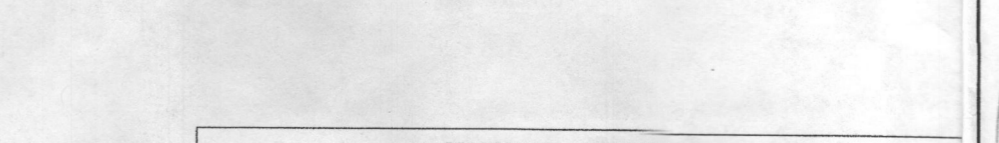
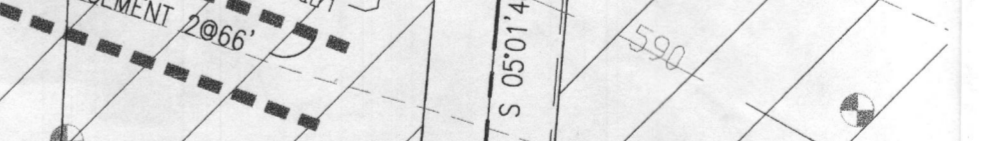
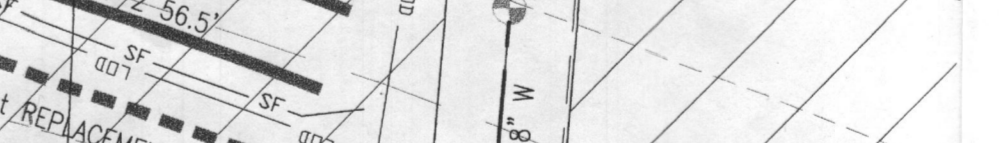
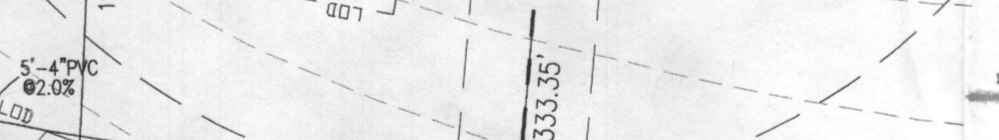
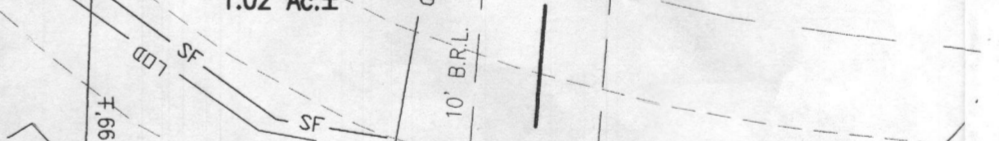
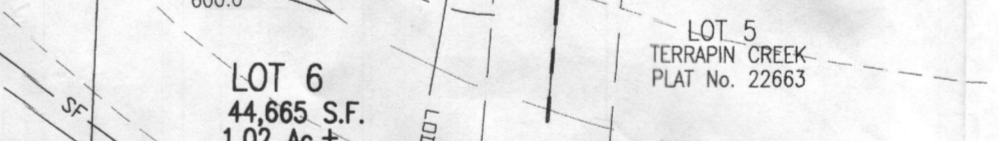
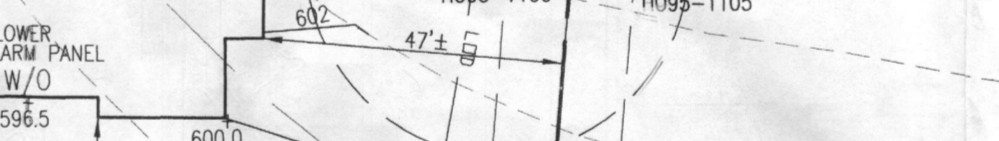
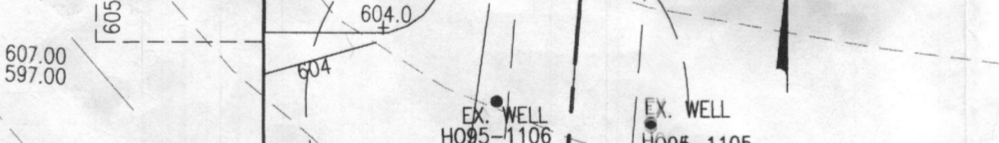
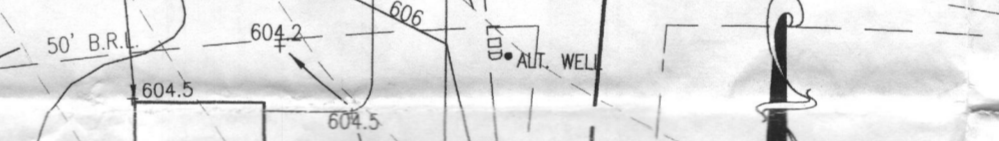
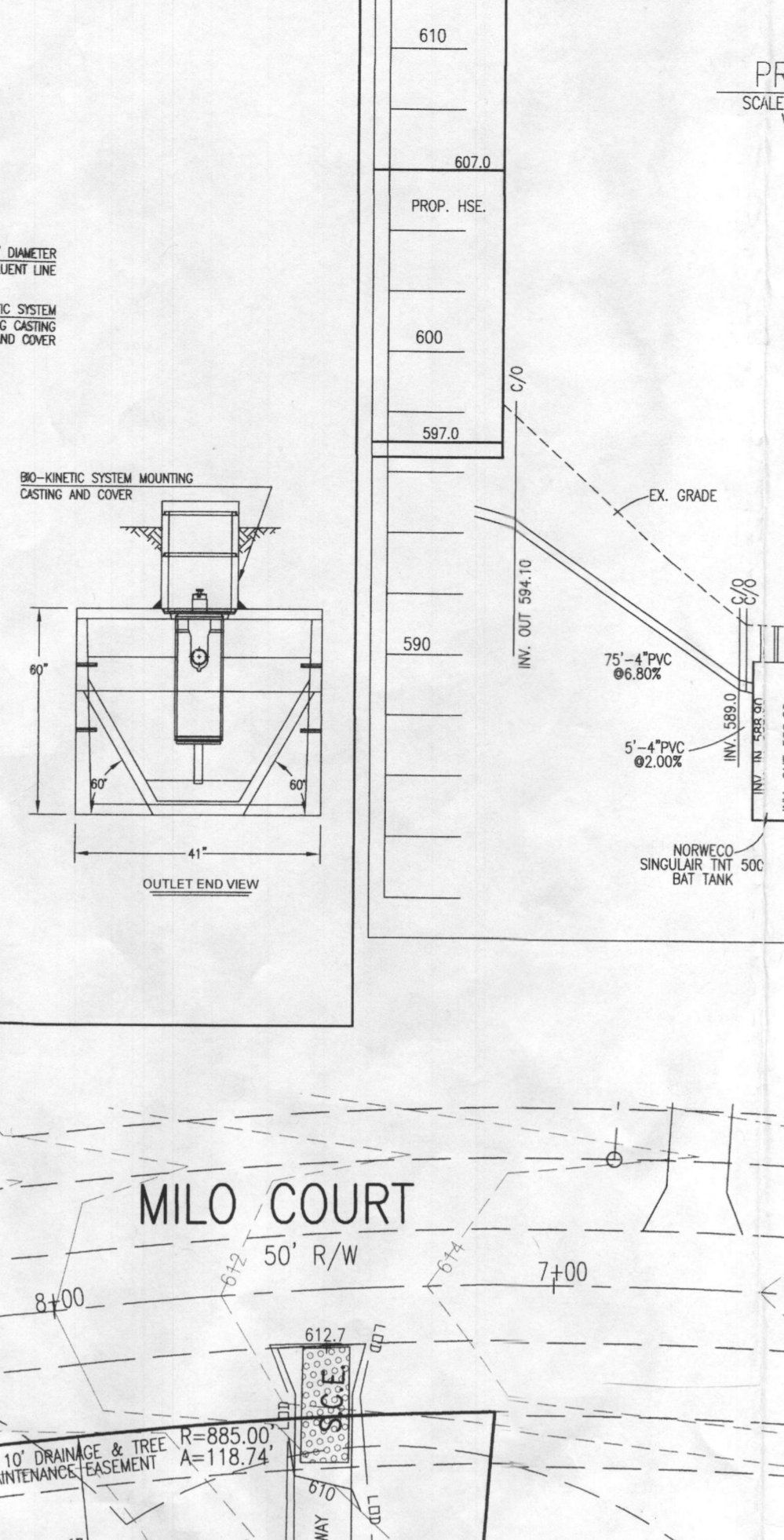


SEQUENCE OF CONSTRUCTION

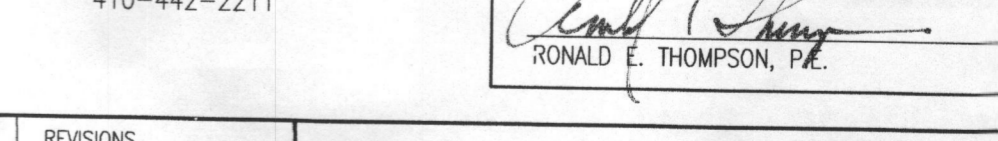
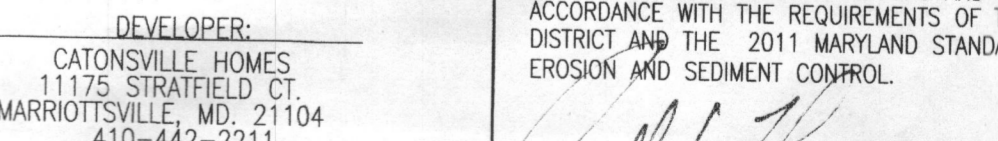
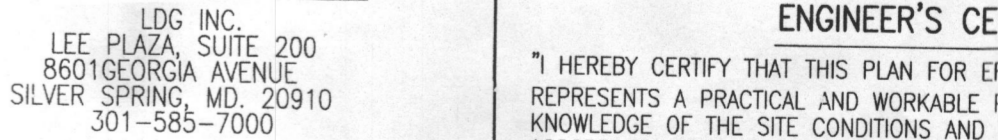
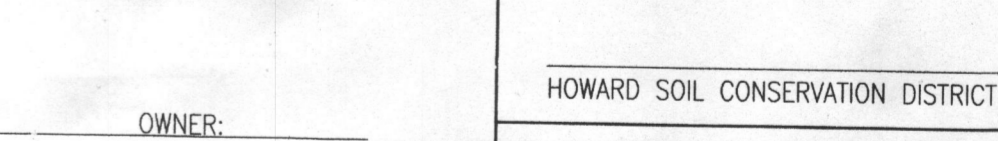
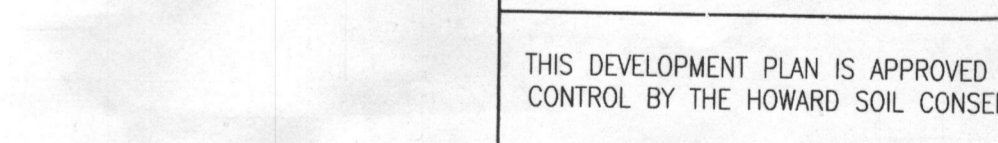
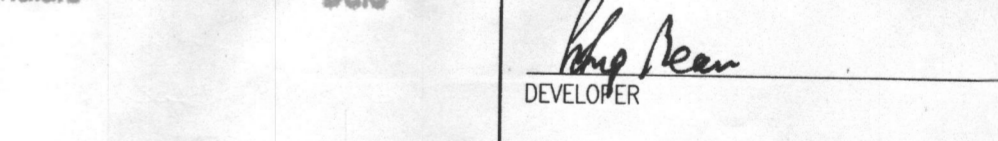
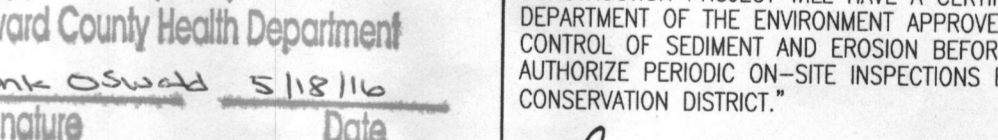
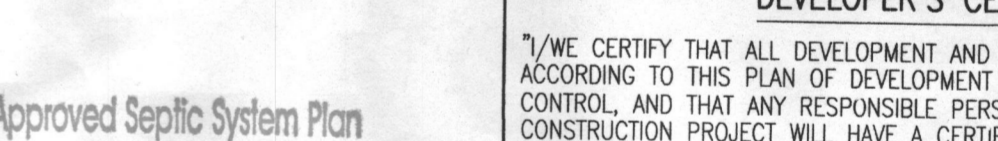
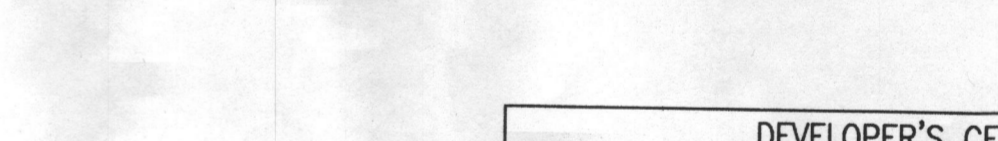
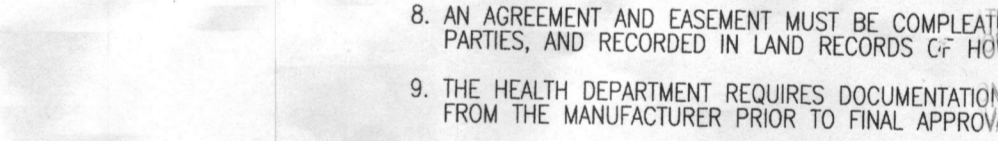
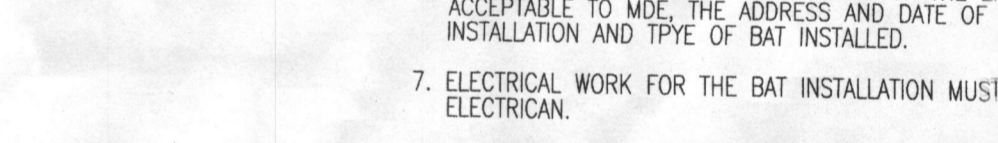
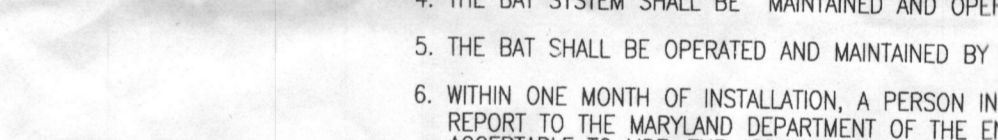
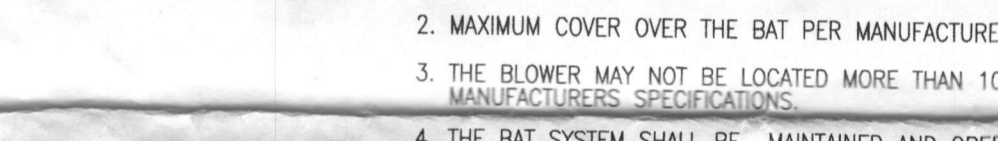
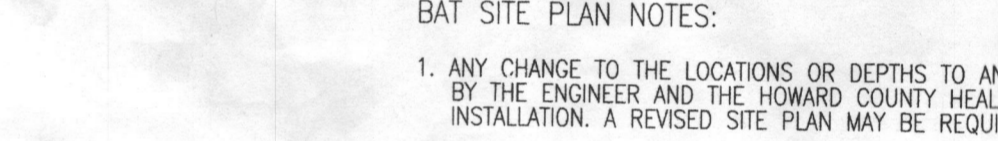
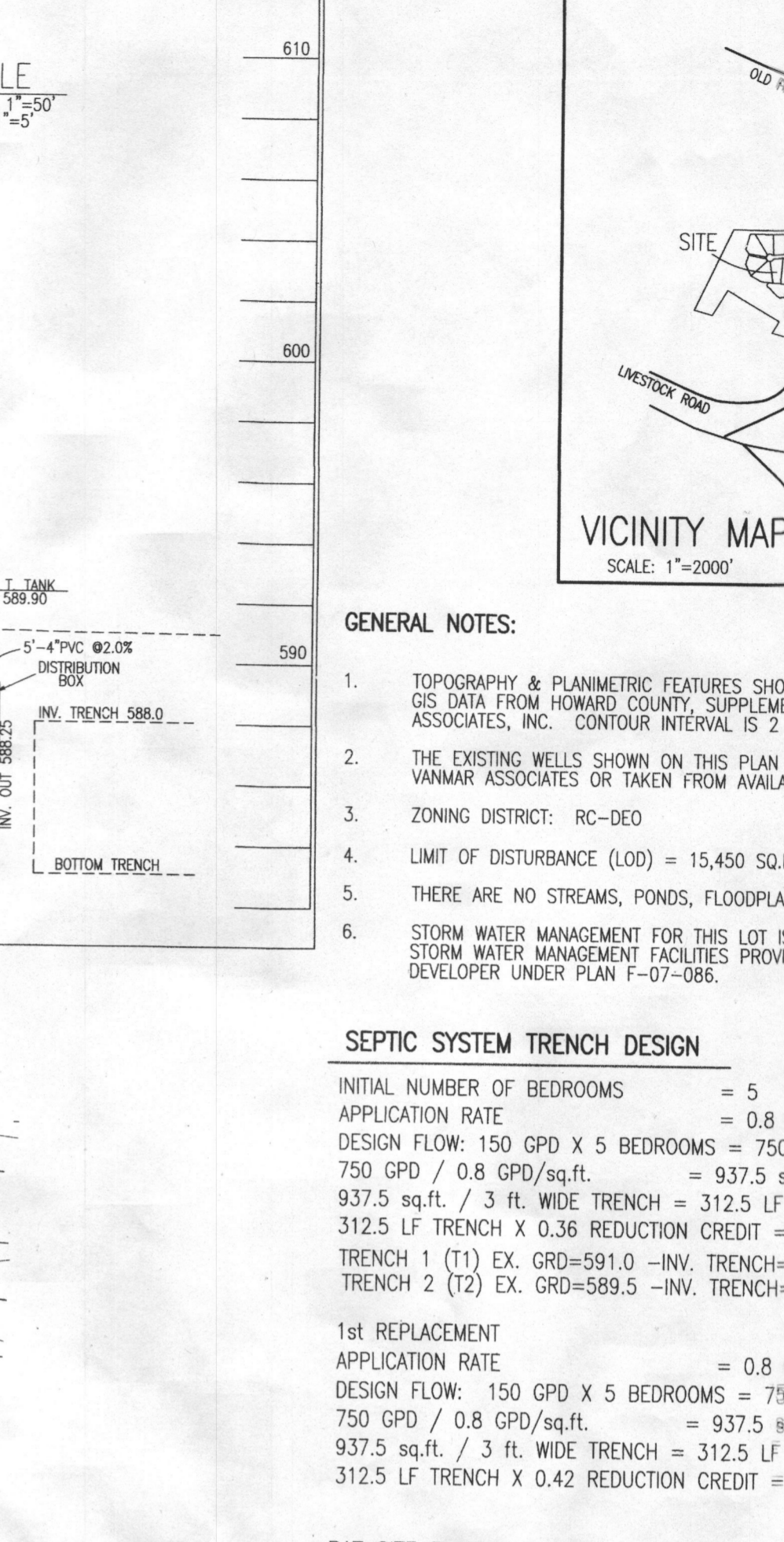
- 1. OBTAIN ALL REQUIRED GRADING, WDE PERMITS, APPROVALS AND LICENSES FROM APPROPRIATE AGENCIES.
- 2. NOTIFY SEDIMENT CONTROL INSPECTOR AT LEAST THREE (3) WORKING DAYS PRIOR TO STARTING WORK.



PROFILING

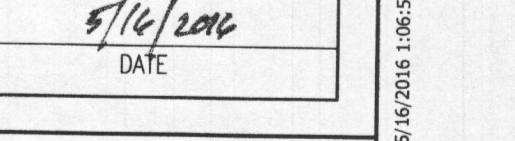
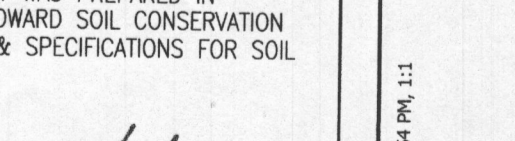
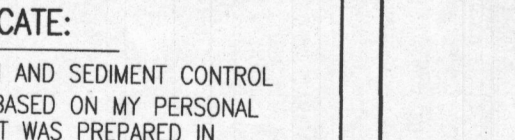
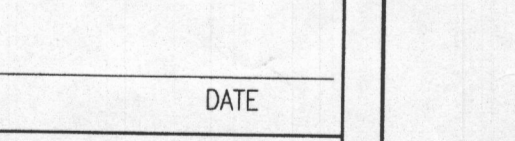
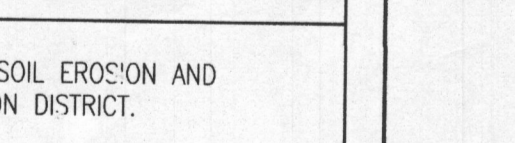
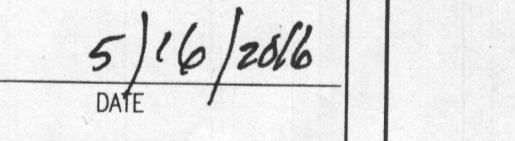
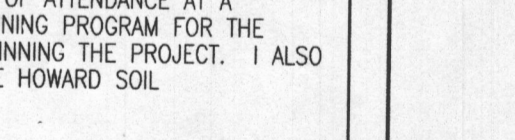
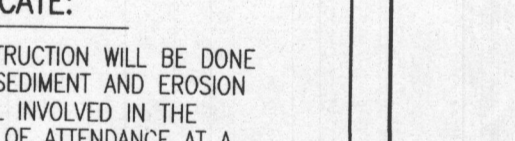
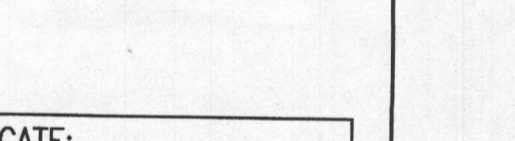
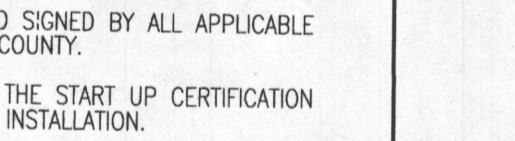
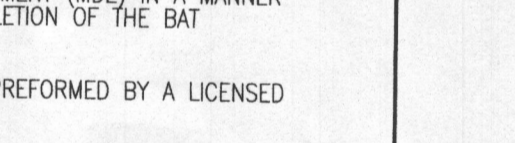
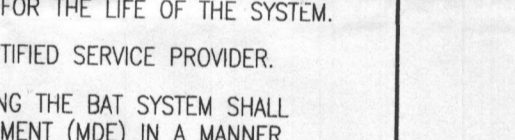
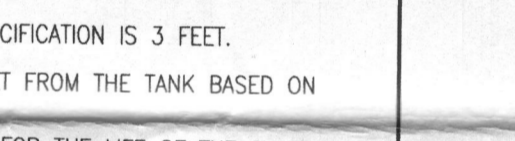
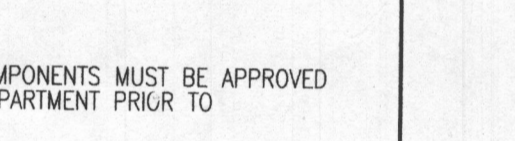


VICINITY MAP



GENERAL NOTES

- 1. TOPOGRAPHY & PLANIMETRIC FEATURES SHOWN HEREON TAKEN FROM COPYRIGHTED GIS DATA FROM HOWARD COUNTY SUPPLEMENTED WITH FIELD LOCATIONS BY VANMAR ASSOCIATES, INC. CONTOUR INTERVAL IS 2 FEET. VERTICAL DATUM IS NAVD83.



B-4-2 STANDARDS AND SPECIFICATIONS FOR SOIL PREPARATION, TOPSOILING, AND SOIL AMENDMENTS

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

Purpose: To provide a suitable soil medium for vegetative growth.

Conditions Where Practice Applies: Conditions Where Practice Applies: Where vegetative stabilization is to be established.

Criteria: A. Seeding 1. Specifications

- 1. Temporary Stabilization
2. Permanent Stabilization
3. Topsoiling

- 1. Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation.
2. Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation.

- 1. Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation.
2. Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation.

- 1. Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation.
2. Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation.

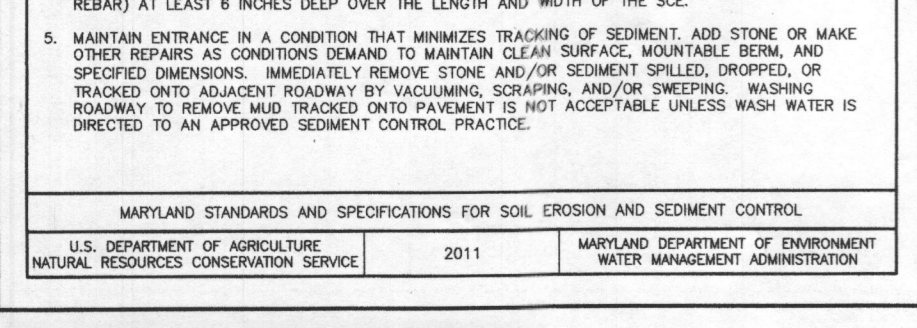
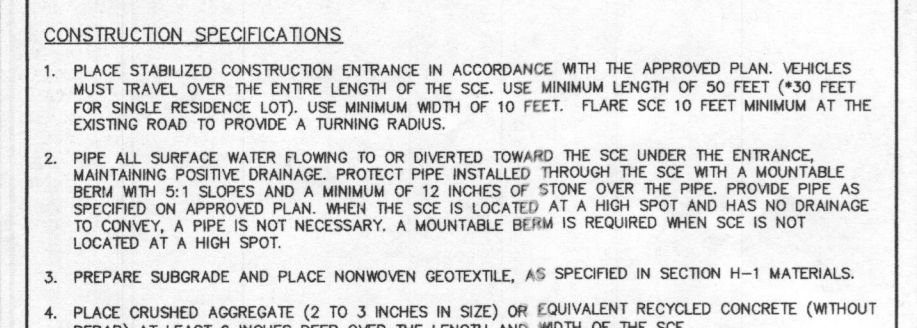
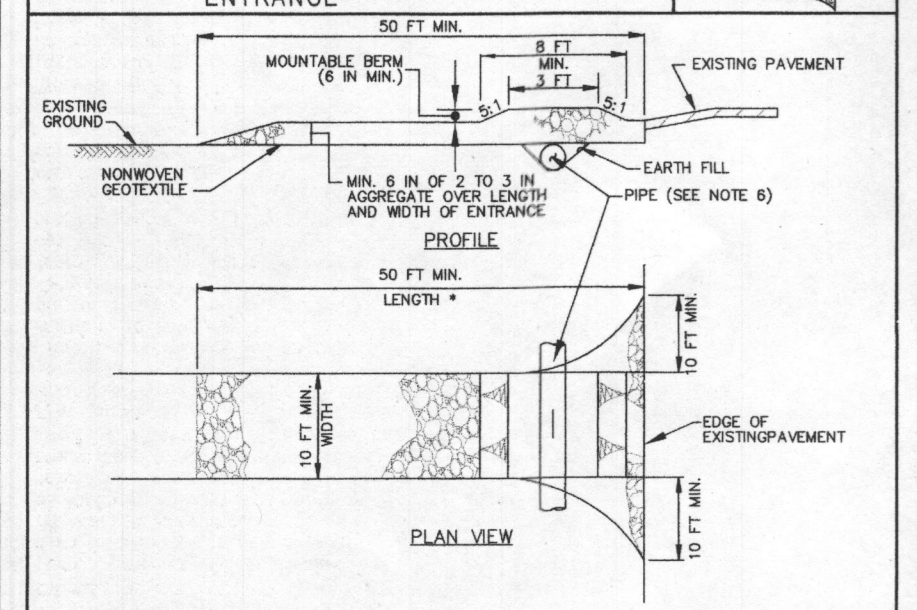
- 1. Topsoil is placed over prepared subsoil prior to establishment of permanent vegetation.
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Table with 4 columns: No., Species, Application Rate (lb/ac), Seeding Depths. Rows include Annual Ryegrass and Fescue.

Table with 4 columns: No., Species, Application Rate (lb/ac), Seeding Depths. Rows include Kentucky Bluegrass and Phleprass.

DUST CONTROL: DUST CONTROL METHOD FOR THIS SITE TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES.

STANDARD STABILIZATION NOTE: FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN:



CONSTRUCTION SPECIFICATIONS: 1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN.

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

Definition: The application of seed and mulch to establish vegetative cover.

Purpose: To protect disturbed soils from erosion during and at the end of construction.

Conditions Where Practice Applies: To the surface of all perimeter controls, slopes, and any disturbed area not under active grading.

Criteria: A. Seeding 1. Specifications

- 1. All seed must meet the requirements of the Maryland State Seed Law.
2. All seed must be maintained in a true and even grade as specified on the approved plan.

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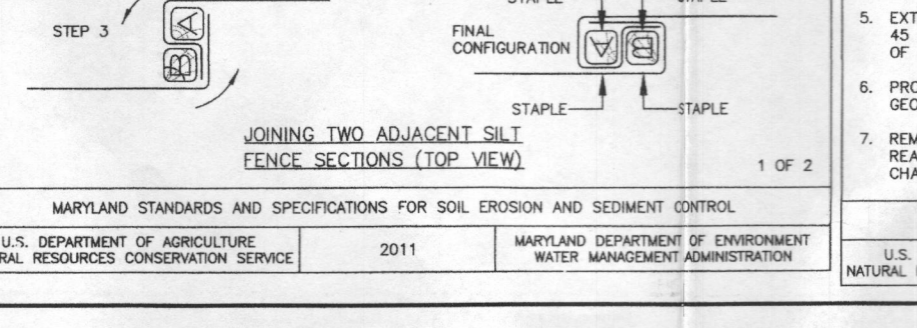
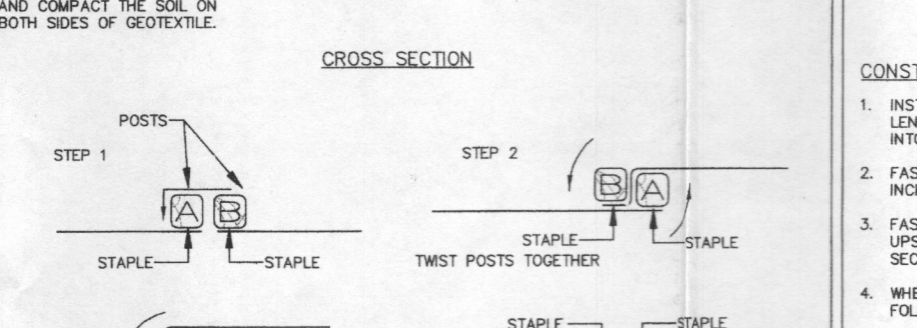
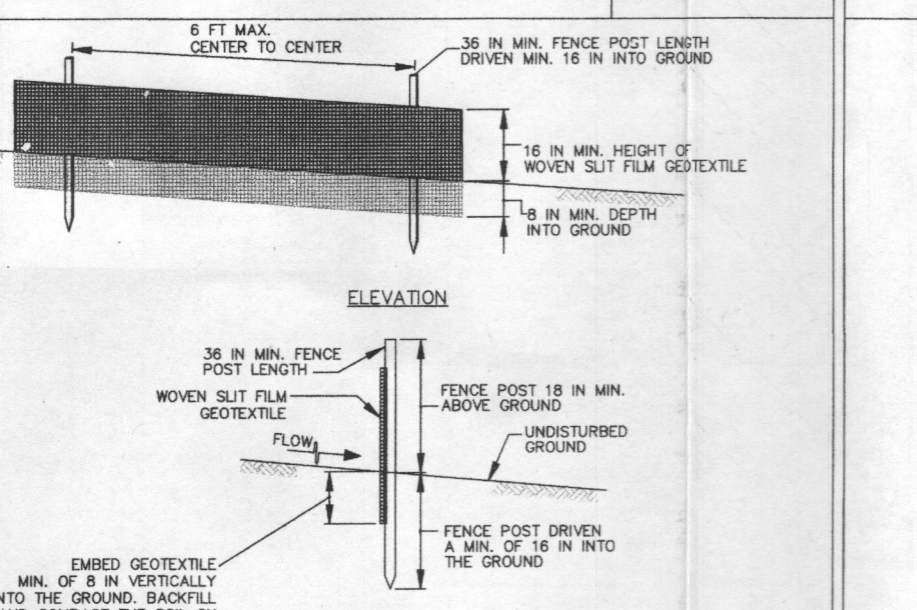
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Table with 4 columns: No., Species, Application Rate (lb/ac), Seeding Depths. Rows include Annual Ryegrass and Fescue.

DUST CONTROL: DUST CONTROL METHOD FOR THIS SITE TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES.

STANDARD STABILIZATION NOTE: FOLLOWING INITIAL SOIL DISTURBANCE OR RE-DISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION MUST BE COMPLETED WITHIN:



CONSTRUCTION SPECIFICATIONS: 1. PLACE STABILIZED CONSTRUCTION ENTRANCE IN ACCORDANCE WITH THE APPROVED PLAN.

STANDARD SOIL CONSERVATION DISTRICT STANDARD SEDIMENT CONTROL NOTES

Definition: The application of seed and mulch to establish vegetative cover.

Purpose: To protect disturbed soils from erosion during and at the end of construction.

Conditions Where Practice Applies: To the surface of all perimeter controls, slopes, and any disturbed area not under active grading.

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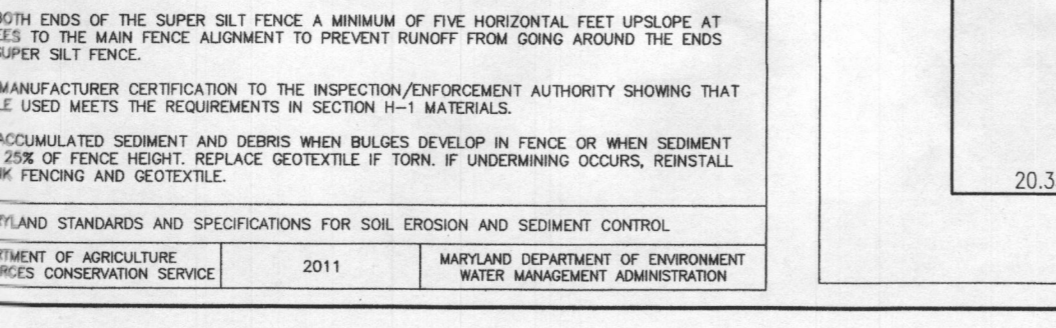
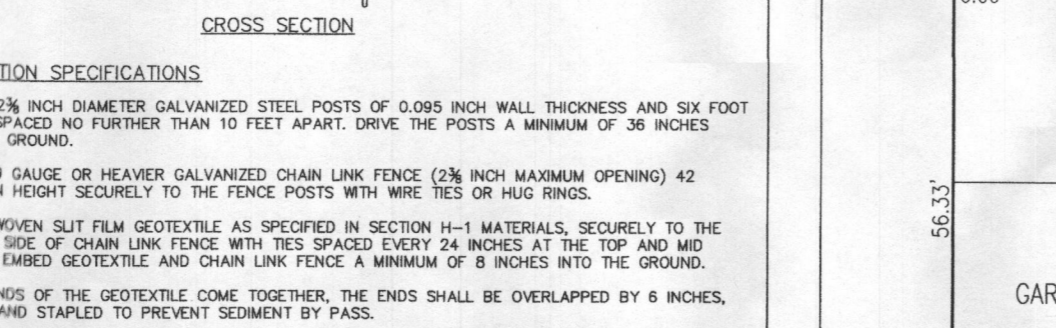
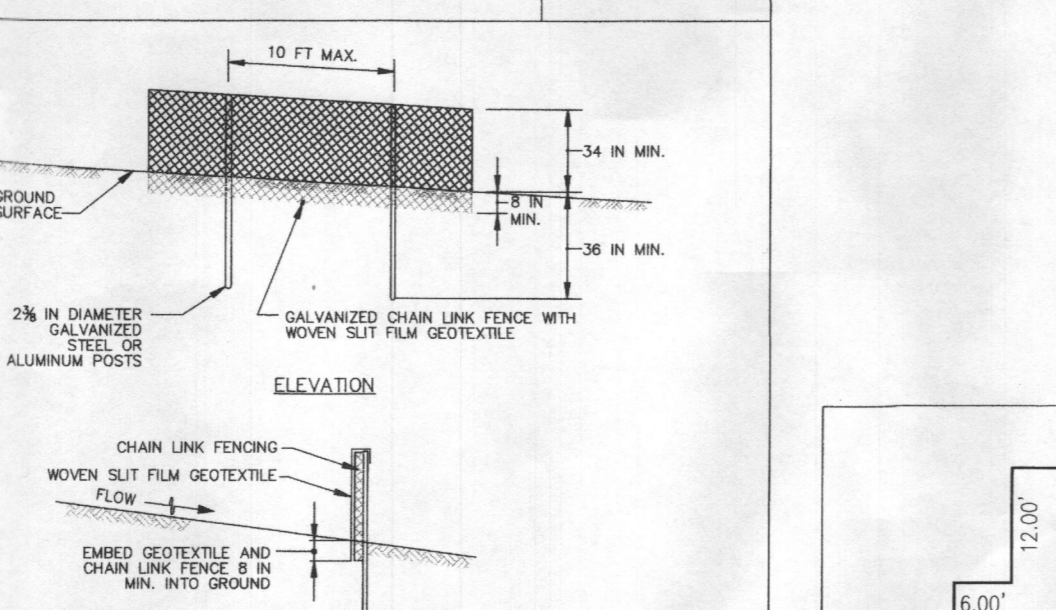
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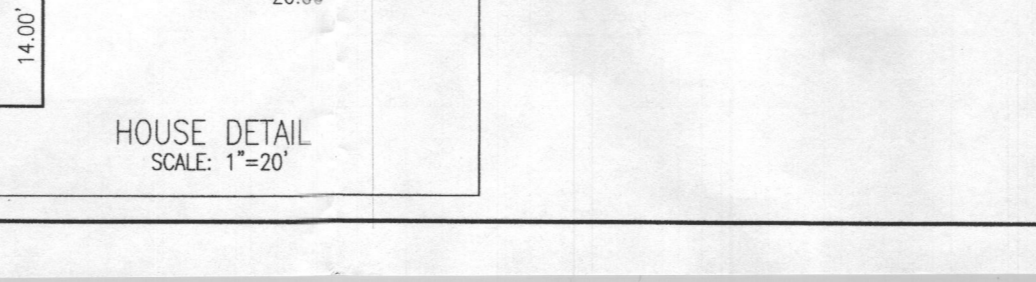
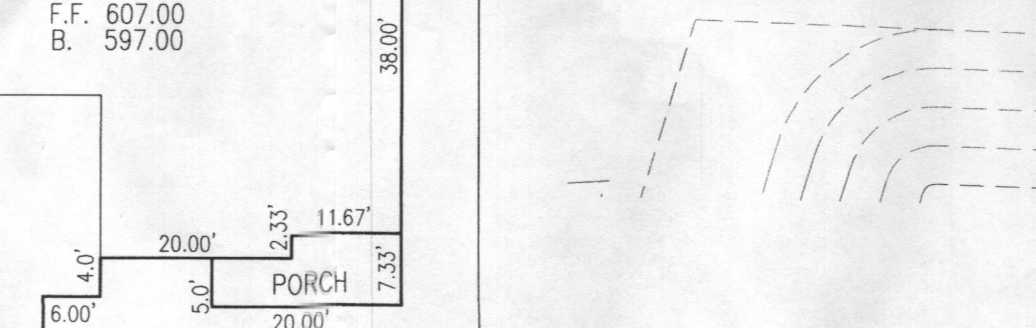
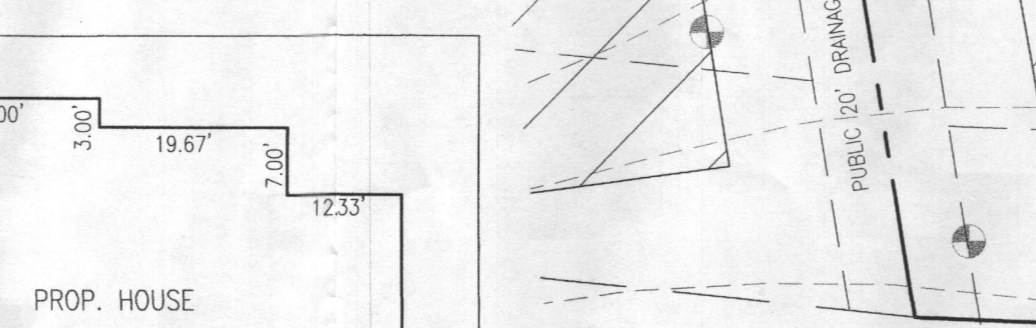
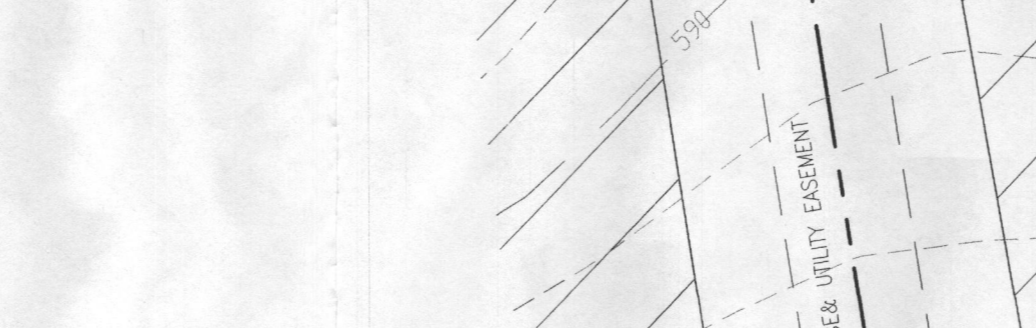
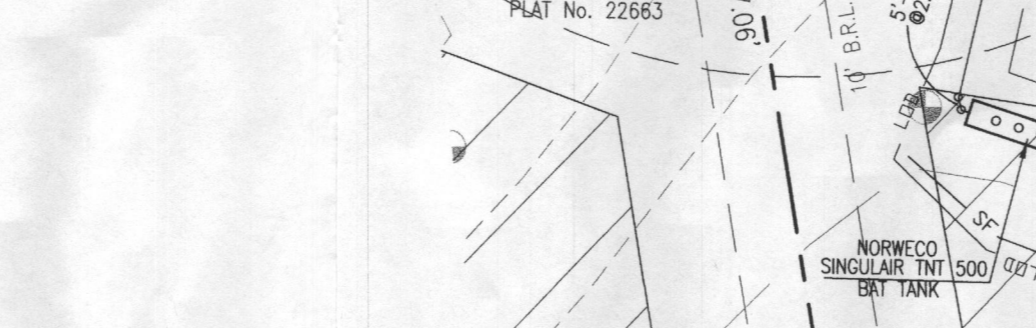
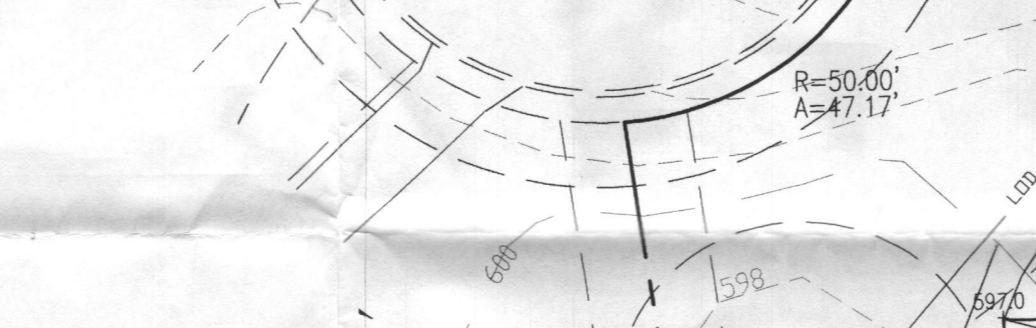
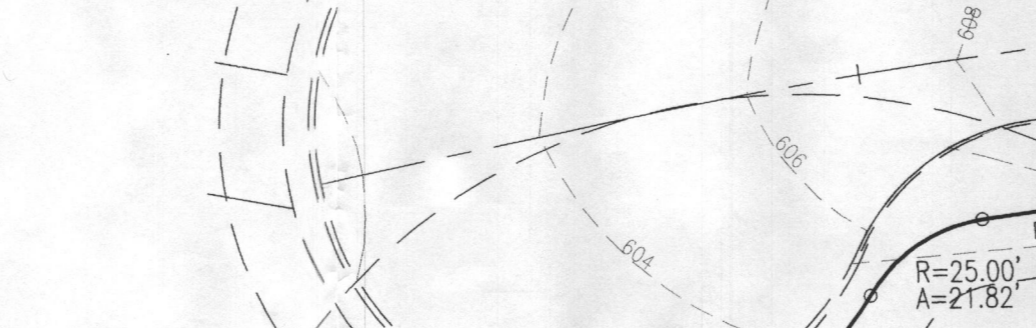
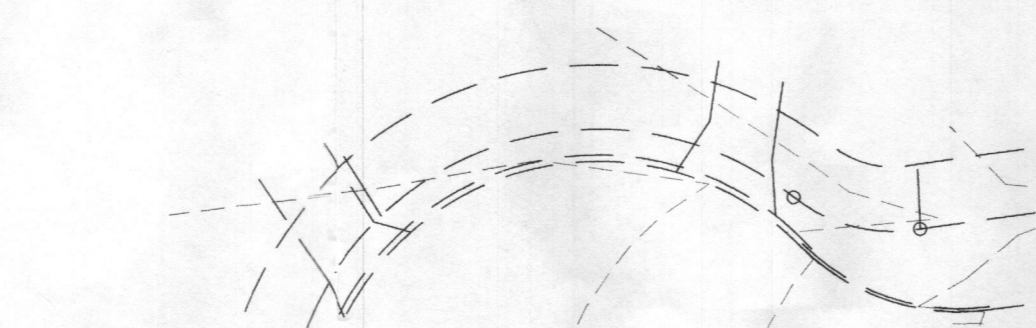
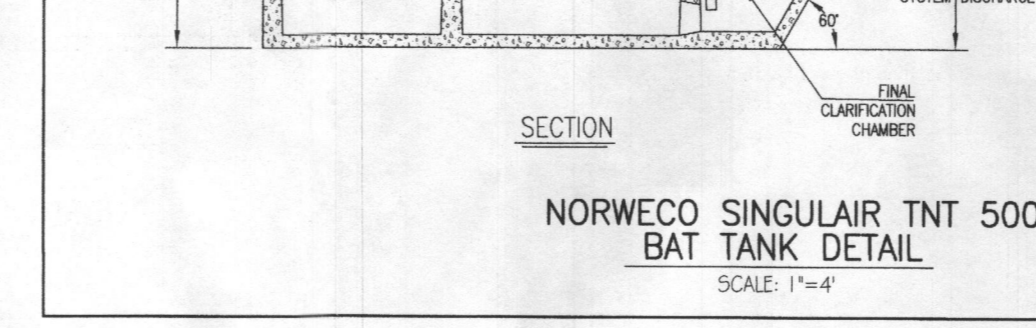
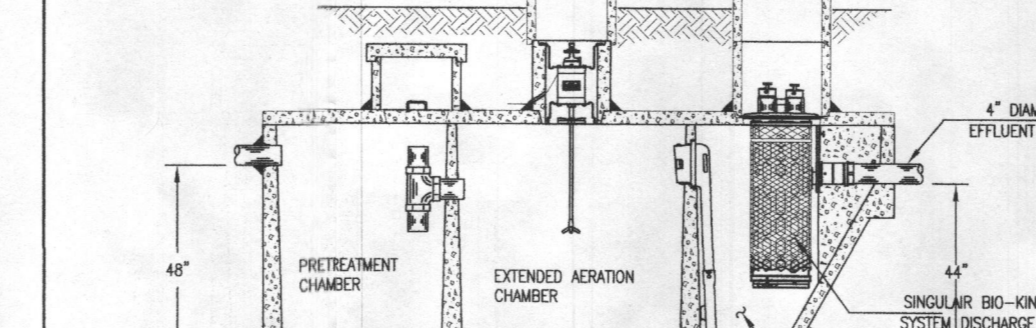
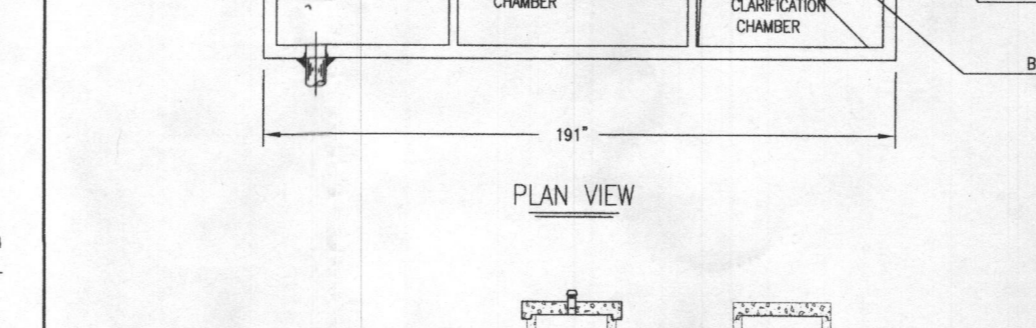
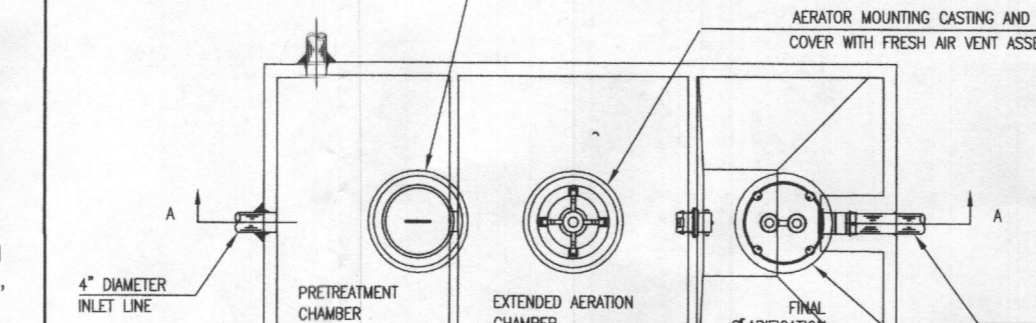
DUST CONTROL: DUST CONTROL METHOD FOR THIS SITE TO PREVENT BLOWING AND MOVEMENT OF DUST FROM EXPOSED SOIL SURFACES.

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NORWECO SINGULAR TNT 500 BAT TANK DETAIL



TEMPORARY STOCKPILE NOTE

Definition: The application of seed and mulch to establish vegetative cover.

Purpose: To protect disturbed soils from erosion during and at the end of construction.

Conditions Where Practice Applies: To the surface of all perimeter controls, slopes, and any disturbed area not under active grading.

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2. All seed must be maintained in a true and even grade as specified on the approved plan.

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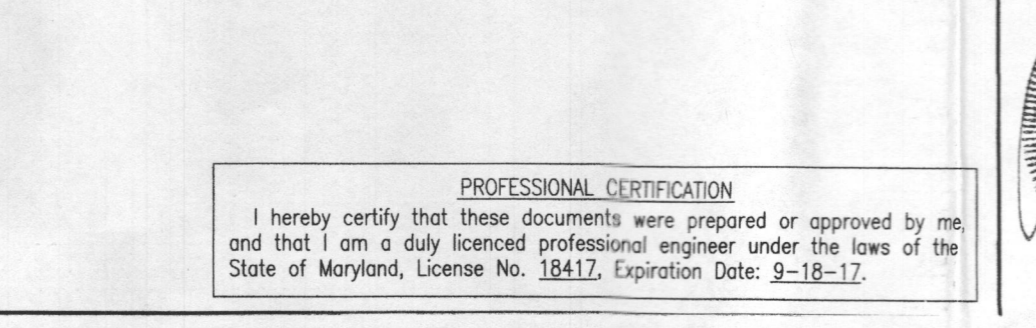
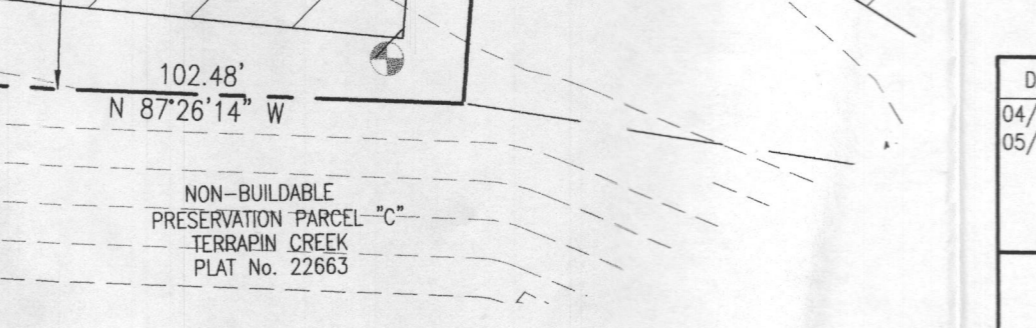
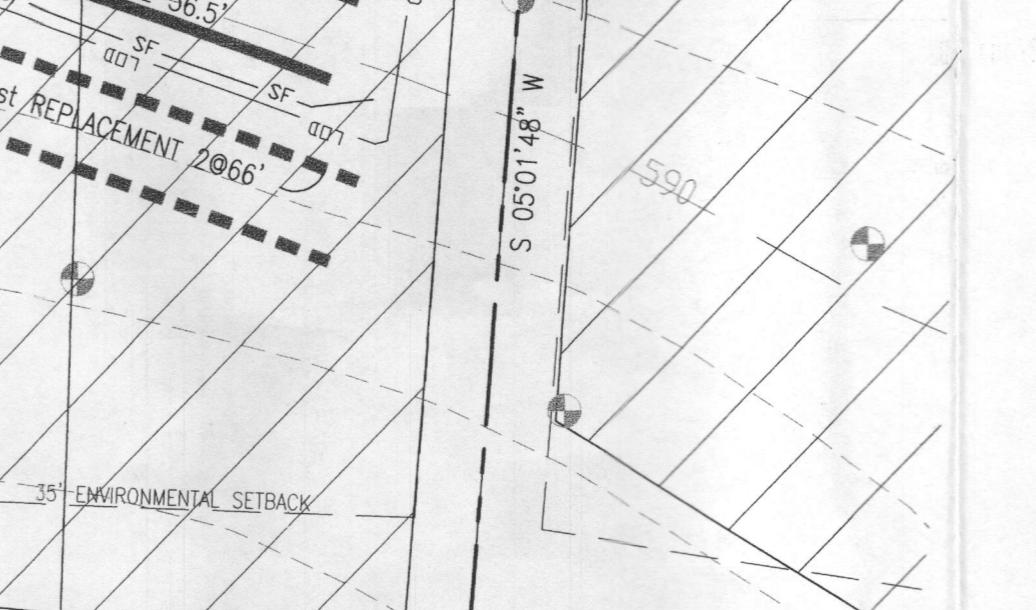
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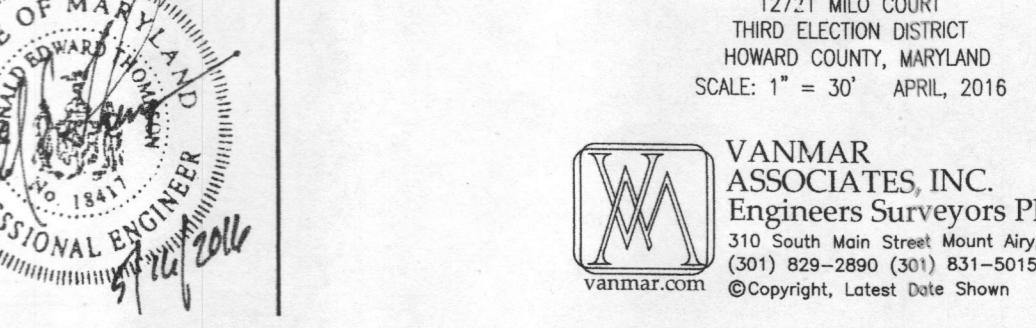
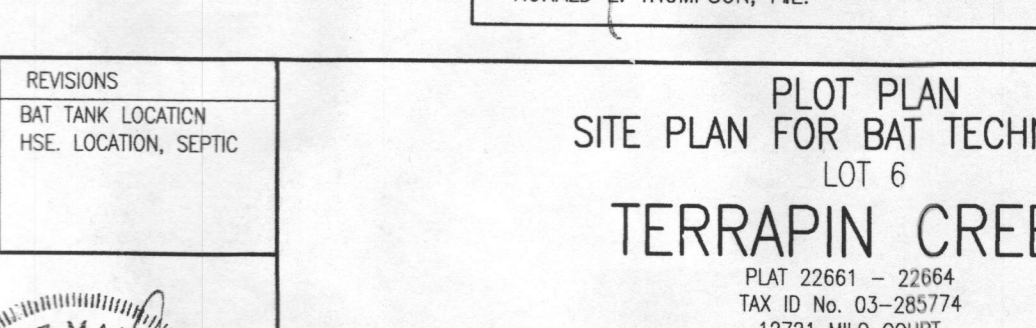
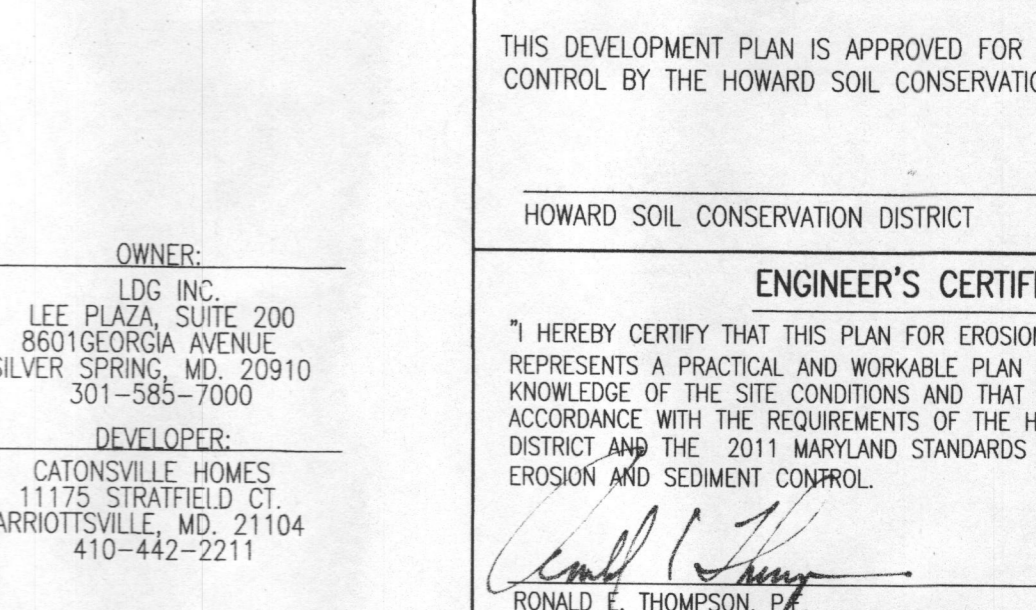
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## Oswald, Hank

---

**From:** Pam Walter <PWalter@catonsvillehomes.com>  
**Sent:** Friday, May 13, 2016 11:28 AM  
**To:** Oswald, Hank  
**Cc:** Steve Edmondson; Ron Thompson - Vanmar Associates, Inc. (ron@vanmar.com)  
**Subject:** RE: Floor Plan\_12721 Milo Court\_Lot 6

Hank,

We are fine with the 5 bedroom BAT plan.

Thanks!

*Pam Walter*

Catonsville Homes, LLC  
11175 Stratfield Court  
Marriottsville, MD 21104  
410-442-2211 x 202  
410-442-2215 Fax  
[pwalter@catonsvillehomes.com](mailto:pwalter@catonsvillehomes.com)

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**From:** Oswald, Hank [<mailto:hoswald@howardcountymd.gov>]  
**Sent:** Friday, May 13, 2016 11:01 AM  
**To:** Pam Walter  
**Subject:** Floor Plan\_12721 Milo Court\_Lot 6

Hi Pam:

Good morning. The floor plan for 12721 Milo Court shows 5 bedrooms (4BR on 2<sup>nd</sup> FL, 1BR on 1<sup>st</sup> FL) with a potential for at least one more BR in the unfinished basement. The BAT Plan is sized for 5 bedrooms so it's fine for now but please see Bedroom Basement Memo attached.

If you wish to change the floor plan or BAT Plan, please confirm.

Thanks,

Hank

Hank Oswald, L.E.H.S.  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
410.313.2648 (Fax)

## Oswald, Hank

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**From:** Oswald, Hank  
**Sent:** Friday, May 13, 2016 11:02 AM  
**To:** ron@vanmar.com  
**Subject:** BAT Plan\_12721 Milo Court\_Terrapin Creek\_Lot 6  
**Attachments:** Septic Spec\_12721 Milo Court.pdf

Hi Ron:

Good morning. The following comments pertain to the BAT Plan for 12721 Milo Court:

- 1.) Use side wall credit of 0.36 with a bottom max trench depth of 8 feet instead of 7 feet and a sidewall credit of 0.42. Please see attached septic spec worksheet.
- 2.) Address 10 foot setback requirement between alternate well site and driveway.
- 3.) Note Only: Floor plan shows 5 BRs with a potential for more BRs in the unfinished basement. I will notify Pam Walter about this.

Should you have any questions, please don't hesitate to ask.

Hank

Hank Oswald, L.E.H.S.  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
410.313.2648 (Fax)

## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Friday, May 13, 2016 11:01 AM  
**To:** Pam Walter (PWalter@catonsvillehomes.com)  
**Subject:** Floor Plan\_12721 Milo Court\_Lot 6  
**Attachments:** Basement bedroom memo\_12721 Milo Court\_Lot 6.pdf

Hi Pam:

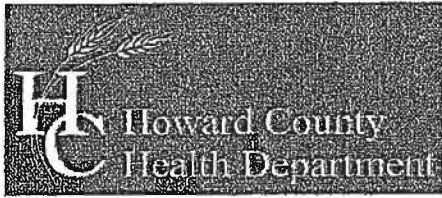
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Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045  
 Main: 410-313-2640 | Fax: 410-313-2648  
 TDD 410-313-2323 | Toll Free 1-866-313-6300  
 www.hchealth.org  
 Facebook: www.facebook.com/hocohealth  
 Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: \_\_\_\_\_

Subdivision: TERRAPIN CREEK (F-07-086) Lot: 6

Initial system: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 8  
 1<sup>st</sup> Replacement: Application rate: 0.8 Effective area beginning depth: 4 Bottom maximum depth: 8  
 2<sup>nd</sup> Replacement: Application rate: 0.6 Effective area beginning depth: 4 Bottom maximum depth: 8

Design Flow = 150 gallons per day per bedroom

Design flow + application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage + trench width

Sidewall reduction credit formula:

$$\frac{W+2}{W+1+2D} \times 100 = \text{Percent of length of standard trench where } W=\text{trench width and } D=\text{depth between effective area beginning depth and trench bottom.}$$

Standard design requirements:

- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Minimum trench spacing: 6' for 2' wide trenches, 9' for 3' wide trenches. Additional spacing may be needed for deep trenches using formula: 2D + W
- Maximum trench length is 100'
- Maximum pipe depth is 4'

Additional requirements:

$$\frac{W+2}{W+1+2(D)} = \frac{3+2}{3+1+2(5)} = \frac{5}{14} = .36$$