Commuts 8/2/07 KS Commence KS 3/10/07 KS 1923 love 3 Lenn Kus

an press

MSA. S. 1829-5717

• CF 335-06 Reese Condo

Martin O'Malley Governor

Anthony G. Brown Lt. Governor



Margaret G. McHale Chair

> Ren Serey Executive Director

#### STATE OF MARYLAND CRITICAL AREA COMMISSION CHESAPEAKE AND ATLANTIC COASTAL BAYS

1804 West Street, Suite 100, Annapolis, Maryland 21401 (410) 260-3460 Fax: (410) 974-5338 www.dnr.state.md.us/criticalarea/

September 7, 2007

Mr. Keith Lackie MDP, LES Regional Office 201 Baptist Street, Suite 24 Salisbury, MD 21801

Re: Reese Condominium Project

Dear Mr. Lackie:

Thank you for forwarding the above-referenced project to this office for review and comment. As you know the Commission's Program Subcommittee reviewed this site plan with particular concern for the proposed walkway. I have reviewed the plans and spoke with Mr. Randy Eckert on September 5, 2007. Mr. Eckert indicated that the walkways were reduced to a width equal to those of the Jersey Island Condo project (four feet wide). This satisfies the subcommittee's request concerning the walkway.

The Program Subcommittee also indicated that the remainder of the 25-foot setback should be fully vegetated. From a review of the site plans and associated planting schedules, it appears that the applicant has satisfied this request of the subcommittee. The plant selection in the form of native species was made from our guidance paper; and the density of the plants appears to follow our Buffer Exemption Area Guidance to the degree that some of the plantings will need to go outside the setback due to the walkway, which accounts for approximately 1,400 square feet of the setback area.

Although not specified, the trees proposed in the landscaping plan should be 1 1/2 to 2inch caliper. The shrub size should be a minimum of 3 gallons. Please have the applicant amend the landscape schedule to include the species size.

We have also reviewed the applicant's 10% Pollutant Removal Requirements. It appears that the removal requirement has been met and that the BMP chosen will adequately meet the removal requirement provided it is designed according to MDE specifications.

Mr. Keith Lackie Page 2 of 2 9/7/2007

Please feel free to call me if you have any questions at (410) 260-3476.

Sincerely, Julie Roberts

Natural Resources Planner

cc: Randy Eckert, lott Architecture and Engineering

CF335-06

Martin O'Malley Governor

Anthony G. Brown Lt. Governor



Margaret G. McHale Chair

> Ren Serey Executive Director

### CRITICAL AREA COMMISSION CHESAPEAKE AND ATLANTIC COASTAL BAYS

1804 West Street, Suite 100, Annapolis, Maryland 21401 (410) 260-3460 Fax: (410) 974-5338 www.dnr.state.md.us/criticalarea/

August 2, 2007

Mr. Keith Lackie MDP, LES Regional Office 201 Baptist Street, Suite 24 Salisbury, MD 21801

Re: Reese Condominium Project Crisfield Buffer Exemption Area Ordinance Language Kertho Dear Mr. Lackie:

The purpose of this letter is to officially inform you of the Program Subcommittee's decisions regarding the City of Crisfield's Critical Area Program Comprehensive Review and the Reese Condominium Project. On August 1, 2007 the Project Subcommittee met to discuss the design of the Reese Condominium project and in particular the BEA setback. The review of this project by Commission staff has been problematic in part due to the need to update the City of Crisfield's Critical Area Ordinance. Additionally, the City of Crisfield has a desire to provide increased public access by requiring public walkways in redevelopment projects. Currently, walkways are not included in the Commission's policy document *BEA Policy for Commercial, Industrial, Institutional, Recreational and Multi-Family Residential Development* nor is the issue addressed in the City's Ordinance.

The Program Subcommittee made two decisions regarding this issue:

- 1. **Reese Condominium Project**: The proposed walkway in the 25-foot setback is acceptable to the Program Subcommittee. The proposed stormwater treatment system must be moved out of the setback and the walkway should be of no greater width than the Jersey Island Condo project. The remainder of the setback area should be fully vegetated.
- 2. **Comprehensive Review**: The City of Crisfield should report to the Program Subcommittee on the status of the comprehensive review of its Critical Area Program November 7, 2007 meeting.

Commission staff understands the desire of the City of Crisfield to revitalize its waterfront properties and provide economic development opportunities. Given the efforts the City is making towards these activities staff would like to request continued involvement with the City to help develop appropriate regulations that both achieve the goals of the Critical Area law and assist the City with its waterfront activities.

Finally, there are two remaining issues identified in my letter to you on March 6, 2007 regarding the Reese project that may still be addressed. These issues relate to the 10% pollutant reduction calculations and the pervious pavers. If these items are still pertinent, please forward any additional information regarding them once they have been received by your office.

We look forward to working with you and the City of Crisfield in the coming months. If you have any questions, please contact me at (410) 260-3475.

Sincerely,

Kate Schmidt

Kate Schmidt Natural Resource Planner

CF335-06

Robert L. Ehrlich, Jr. Governor

Michael S. Steele Lt. Governor



Martin G. Madden Chairman

> Ren Serey Executive Director

#### STATE OF MARYLAND CRITICAL AREA COMMISSION CHESAPEAKE AND ATLANTIC COASTAL BAYS

1804 West Street, Suite 100, Annapolis, Maryland 21401 (410) 260-3460 Fax: (410) 974-5338 www.dnr.state.md.us/criticalarea/

June 23, 2006

Mr. Keith Lackie MDP, LES Regional Office 201 Baptist Street, Suite 24 Salisbury, MD 21801

#### Re: Reese Condominium, Seventh Street, Crisfield

Dear Mr. Lackie:

Thank you for providing information regarding the above-referenced site plan. The applicant is requesting to construct a 90-unit condominium project. The property is 1.56 acres in size and is designated Intense Development Area (IDA) and Buffer Exemption Area (BEA). Based on further discussions with you, I have learned that this project has not been formally submitted to the City of Crisfield. Based on that information, I would like to offer the following guidance to the City as to the current design:

#### 1. Buffer:

The project should conform in so far as possible to the BEA standards for commercial/multi-family residential development as provided in the (a) the Crisfield Code, (b), the model ordinance (soon to be adopted) and (c) Commission policy. The following is recommended under these standards:

- The Crisfield Zoning Code Section 112-108.B(3)(c) states that new development shall minimize the shoreward extent of impervious surfaces insofar as possible.
- Development and redevelopment should be located as far as possible from mean high tide. A setback of 25' is provided, which is appropriate for this site.
- Variances to other local setback requirements should be considered before additional intrusion into the Buffer. The front yard setback for the existing zoning is 20', the applicant shows a 37' setback, thus there is room to move the project closer to the road

if additional space is needed to meet other requirements, such as stormwater.

- Convenience or expense should not be considered factors in evaluating the extent of allowable impacts to the Buffer.
- **Redevelopment** shall minimize the extent of intrusion into the Buffer and not be located closer to the water than 25 feet. Existing structures/impervious structures may remain. However, opportunities to establish a 25' setback should be maximized. In this instance, the applicant has provided a 25' setback, however they are showing the bioretention area in the Buffer and a wooden walkway the entire length of the property on

the shoreline. Stormwater facilities, as described below, are not appropriate in the Buffer.

#### 2. Mitigation:

The following mitigation measures shall be implemented for all development and redevelopment projects:

- A forested or landscaped bufferyard of 25' shall be established between the development and the water. Densely planted with trees and shrubs. The landscaping plan is not sufficiently dense most likely due to bio-retention being placed in the Buffer.
- 2:1 mitigation in the form of planting for development activity within the Buffer shall be planted preferably on-site. OR provision of off-sets OR fee-in-lieu. *The applicant has not offered mitigation at this time.*
- Any required mitigation must be protected through easement, development agreement, plat notes, etc.

**Submission:** Development in BEA for commercial, industrial, multi-family residential projects shall be submitted to the Commission in accordance with COMAR 27.03.01.03. Mitigation plans shall be included as part of the project submission.

**3. Proposed Bio-Retention BMP** – Stormwater treatment facilities are generally not acceptable in the Buffer. Comments provided by Mr. Dale Pussey, also state that the proposed bioretention is not an acceptable stormwater management BMP for this site. The applicant should revise their proposal to meet both of these directives.

**4.** Landscaping Plan – The landscaping provided in the Buffer should consist of dense vegetation that is a mix of shrubs and trees. At this time, the proposed planting plan is not sufficiently dense.

Thank you for the opportunity to provide comments. If you have any questions, please contact me at 410-260-3475.

Sincerely,

Kate Schnidt

Kate Schmidt Natural Resource Planner CF335-06

#### Schmidt, Katherine

From:Schmidt, KatherineSent:Friday, June 02, 2006 3:25 PM

To: 'K Lackie'

Subject: Reese Condominiums

Hi Keith:

A couple of questions on the condo project. First, have you provided them with any comments yet? If so can you please fax them up?

These next ones relate to the site plan itself:

ŀ.

- 1. Where did the 25' building setback line come from?
- 2. Is the boardwalk connected to some larger plan that the city has that I don't know about yet? Why does the applicant think they can have a boardwalk in the buffer?

I think that's it. I may end up bringing this project with me on Monday to discuss with you.

Thanks! Kate

Kate Schmidt Natural Resource Planner Critical Area Commission for the Chesapeake and Atlantic Coastal Bays 1804 West Street, Suite 100 Annapolis, MD 21401 410-260-3475



#### STATE OF MARYLAND CRITICAL AREA COMMISSION CHESAPEAKE AND ATLANTIC COASTAL BAYS

1804 West Street, Suite 100, Annapolis, Maryland 21401 (410) 260-3460 Fax: (410) 974-5338 www.dnr.state.md.us/eritiealarea/

March 6, 2007

Mr. Keith Lackie MDP, LES Regional Office 201 Baptist Street, Suite 24 Salisbury, MD 21801

#### Re: Reese Condominium, Seventh Street, Crisfield

Dear Mr. Lackie:

Thank you for providing revised information regarding the above-referenced site plan. The applicant is requesting to construct a 90-unit condominium project. The property is 1.56 acres in size and is designated Intense Development Area (IDA) and Buffer Exemption Area (BEA). Some of the comments I made June 23, 2006 have been addressed. My remaining comments are below:

#### 1. Impervious Surface Area Calculations

I would not recommend the use of a pervious paver system for this site and type of project. The proposed area for the pervious paver will be heavily utilized which may compromise the pervious nature of the product over time. Additionally, the groundwater table in this area is extremely high and the site may not meet the required specifications for the product selected. Regardless, should the applicant determine to use the pervious paver, they must submit product specifications and soils information to this office to determine percent perviousness. Typically, pervious pavers are only 10% to 50% pervious. Additionally, I recommend the same information be provided to Mr. Dale Pusey, the Town's stormwater engineer for similar evaluation. Once a percent perviousness has been determined, the applicant may adjust their calculations.

#### 2. 10% Pollutant Reduction Rule Calculations

The applicant must complete the 10% pollutant reduction worksheet from the "Critical Area 10% Rule Guidance Manual" regardless of the amount of reduction in site imperviousness. The calculations may be adjusted for the use of the pervious paver once a determination has been made regarding the product selected. Until then, the applicant must include the entire area of paver as 100% impervious in the calculations.

#### 3. 100-foot Buffer and BEA

**a.** Under Crisfield Zoning Code Section 112-108(B), the proposed redevelopment in the 100foot Buffer requires that the 25-foot setback be established and maintained in natural vegetation. The Critical Area Commission BEA Policy from April, 2000 recommends that Mr. Keith Lackie March 6, 2007 Page 2 of 2

for every 100 linear feet of bufferyard, the following be planted; 5 trees and 10 understory trees/large shrubs and 30 small shrubs and 40 herbaceous plants. Based on my estimate of 250 linear feet, the plantings proposed in the 25-foot setback should be significantly increased in the 25-foot setback.

- **b.** The proposed walkway is not appropriate in the 25-foot setback. As stated in Section 112-108(B)(3)(d), the intent of the 25-foot setback is to provide dense natural vegetation and the boardwalk is not an appropriate use. The proposal may include a perpendicular access path to reach the existing wood pier.
- c. The calculations shown for mitigation in the 100-foot Buffer on sheet L100 are not correct. Crisfield Zoning Code Section 112-108(B)(3)(d) states that natural vegetation of an area twice the extent of the impervious surface created in the BEA shall be planted in a BEA or other location as determined by the city. Given that the proposed paver will cover the same square footage as a completely impervious system, the entire area of development should be included and not discounted. Additionally, the applicant may not claim credit or 1:1 mitigation for existing impervious surface that will be moved elsewhere in the Buffer as there are no provisions for this type of impervious surface trading in the Zoning Code. Based on my calculations, the applicant must provide mitigation for 50,539 square feet.

Thank you for the opportunity to provide comments. If you have any questions, please contact me at 410-260-3475.

Sincerely,

Schmilt

Kate Schmidt Natural Resource Planner

CF335-06

cc: Dale Pusey

#### Schmidt, Katherine

From: Gallo, Kerrie

Sent: Thursday, June 01, 2006 12:31 PM

To: Schmidt, Katherine

Subject: FW: James Reese condos on Seventh Street

Think this one goes to you...

-----Original Message----- **From:** Dale Pusey [mailto:dpusey@ci.salisbury.md.us] **Sent:** Thursday, June 01, 2006 12:16 PM **To:** bmister@dmv.com **Cc:** tgordy@mdp.state.md.us; Gallo, Kerrie; KLackie@mdp.state.md.us **Subject:** James Reese condos on Seventh Street

Bill,

Attached is a draft of the stormwater management plan review letter to Randy Eckert of lott Architecture and Engineering regarding the James Reese Condominium project on Seventh Street. I have not asked for any information regarding street improvements. I assume that:

- Curb and gutter will not be required anywhere.
- The entrance locations to the site are acceptable.
- The developer will not be required to build, rebuild or overlay either adjoining street.
- The developer will not be required to perform a traffic study of nearby roads and intersections and to pay for any improvements that the study indicates may be necessary.
- The City has no master plan of infrastructure improvements that the developer should pay for in full or in part.
- The City will pay for and install any street signage and roadway striping needed as a result of this project.
- The Somerset Sanitary Commission will review water and sewer plans separately.

Let me know if you want any changes. I would like to send the letter to the consultant as soon as possible.

Dale



August 22, 2007

CORPORA

N

Ν

Mr. Keith Lackie Maryland Department of Planning Lower Eastern Shore Regional Office 201 Baptist Street, Suite 24 Salisbury, Maryland 21801

N = G

D

Ε Т

Reese Condominium Seventh Street, Crisfield, Maryland Iott File No. 06-018

Dear Mr. Lackie,

Subject:

The following serves as a point-by-point response letter to the Critical Area Commission review comments dated August 2, 2007 for the above referenced project.

The proposed walkway in the 25 ft setback has been updated to a width of 4 ft as is the 1. width of the walkway on the Jersey Island Condominium project. Additionally, the stormwater management treatment system is no longer located in the 25 ft. setback.

The use of pervious pavers are no longer proposed for the project. The Water Quality 2. Volume and 10% Rule was met by the use of an MDE approved above ground Organic Filter catch basin system. The 10% Rule calculations have been revised accordingly to show that the pollutant removal requirements were met on site.

Please feel free to call should you have any questions regarding this matter.

Respectfully Submitted,

Randy Eckert

Iott Architecture and Engineering, Inc.

335-06



Martin O'Malley Governor Antbony Brown L1. Governor

Richard Eberbart Hall Secretary Matthew J. Power Deputy Secretary

September 10, 2007

Mr. William Mister, Zoning Inspector City of Crisfield P.O. Box 270 Crisfield. Maryland 21817

Re: Reese Condominium Project – Critical Area Compliance Final Site Plan Review

Dear Mr. Mister:

As you know, Keith Lackie is out on extended sick leave; therefore I will be functioning as Acting Circuit Rider during his absence.

I have reviewed the final site plan letter sent by Julie Roberts of the Critical Area Commission staff dated September 7, 2007, and it appears that the only outstanding item listed for Critical Area compliance was verification of the tree and shrub sizes.

Today, Mr. Randy Eckert of lott Architecture delivered a revised planting plan that confirms the proposed plant sizes per the recommendation from Ms. Roberts. As such, this final site plan appears to comply with all of the requirements of the City's Critical Area Ordinance. Iott Architecture will be delivering that revised plan to the City today and I have a copy to forward to the Critical Area Commission staff.

Please feel free to contact me should you have any questions.

Sincerely,

Tracey Gordy Regional Planner/Acting-Circuit Rider

Cc: Julie Roberts, CAC Randy Eckert, Iott



Lower Eastern Shore Regional Office Salisbury Multi-Service Center 201 Baptist Street • Suite 24 • Salisbury, Maryland 21801-4974 Telephone: 410.713-3460 • Fax: 410.713-3470 Internet: www.MDP.state.md.us

356-06



Martin O'Malley Governor Anthony Brown L1. Governor Richard Eberhart Hall Secretary Matthew J. Power Deputy Secretary

January 4, 2006

Julie Roberts, Planner Chesapeake Bay Critical Area Commission 1804 West Street, Suite 100 Annapolis, Maryland 21401

Re: City of Crisfield - Reese Property Condominiums

Dear Ms. Roberts:

As mentioned in my voice-mail to you earlier today, please accept the enclosed re-submittal of the Reese Property Condominium project. The engineer, Randy Eckert of IOTT Engineering, respectfully requests that all effort be made to have the Commission Staff's review comments available for a September 10<sup>th</sup>, 2007 Crisfield Planning Commission meeting.

I hope that the information provided is helpful to you in your review, however should you have any questions or need additional information, please do not hesitate to call me at (410) 713-3460.

Sincerely,

Keith Lackie Regional Planner/Circuit Rider

Encl.

8/307/07

Cc: Randy Eckert, IOTT Engineering

04/01/2006 21:11 4107423569

Richard Scott, Mayor City Conncil: Catherine A. Brown, Vice-Pres. Carolyn Evans Damiel Thompson Roger R. Riggin, Jr. Percy J. Purnell, Jr.

> Mr. Randy Eckert Iott Architecture and Engineering 310 Hammond Street, Suite 100 Salisbury, MD 21804

Gentlemen:

#### RE: Reese Condominiums, Seventh Street, Crisfield

Plans and calculations for the referenced development have been reviewed for compliance with the City of Crisfield's Stormwater Management Ordinance. All comments listed below and all subsequent comments must be addressed to the satisfaction of the City prior to approval of the site development plan by the City and prior to building permit issuance by the City. You are encouraged to contact Dale Pusey if you wish to discuss the contents of this letter.

Provide a written point-by-point response to the comments contained in this letter. The response letter must accompany each additional submittal. The response letter should contain a description and reference to any changes and/or additions made other than those responding to our comments. Be advised that additional comments may be generated by review of subsequent submittals.

#### **GENERAL INFORMATION**

- 1. Payment of plan review fees will be required by the City prior to issuance of a certificate of occupancy. The amount of the fee is calculated on a per hour basis and will be payable upon receipt of an invoice from the City's stormwater management consultant, Mr. Dale Pusey, P. E. Checks may be made payable to "Dale Pusey."
- 2. The owner must obtain either an Irrevocable Letter of Credit or a Performance Bond to cover the estimated cost of construction of all stormwater management facilities. Submit an itemized estimate with quantities and unit costs for review and approval prior to submitting the surety. An acceptable Letter of Credit must contain the following information:
  - a. Beneficiary is City of Crisfield, Maryland,
  - b. Payable on sight at a banking institution approved by the City.
  - Indicate precise wording required on withdrawal draft.
  - d. Credit to be unconditional and irrevocable.
  - e. Maturity date subject to approval of the City (1 yr minimum).
  - f. Dollar amount subject to approval of the City.
  - g. Project name
  - h. Be fully executed by banking institution.
  - i. Include bank's contact person and phone number.
  - j. Include owner's name and phone number.
  - k. Include provision for automatic renewal.

DALE PUSEY

City of Crisfield

City Hall

319 W. Main Street

Crisfield, Maryland 21817

PAGE 02

P.O. Box 270 410-965-1333 Fax 410-968-2167 cristicid@ccisp.net

June 16, 2006

- 3. The following note must be added to the plan: "The City of Crisfield reserves the right to require structural modifications to the site work following permit issuance if, in the opinion of the City, such modifications are necessary to correct deficiencies in the plan."
- 4. The following note must be added to the plan:

"Contractor shall notify Dale Pusey at 410-572-2392 a minimum of 48 hours prior to each of the following:

- · Commencement of construction,
- · Commencement of placement of storonwater management facility underdrain system.
- · Completion of filter bed media placement and wrapping of media with geotextile fabric.
- · Diversion of runoff into completed stormwater management facility.

Failure to notify Mr. Puscy may result in enforcement actions as outlined in Section 94A-22 of the City's stormwater management ordinance."

- 5. The signature of the City of Cristield's Code Enforcement Officer will be required on the original drawing of the approved plan. For this purpose, a signature block must be provided on each original drawing sheet in the lower right hand corner.
- 5. The signed seal of the Maryland registered professional engineer or land surveyor who prepared the plan is required on the cover sheet of all submittals and on each sheet of the final original plan.
- 7. Provide a vicinity map on the plan.
- 8. Provide a north arrow on each drawing sheet.
- 9. Show the on-site benchmark to be used for construction of this project on the plan and reference the benchmark number and elevation from which the on-site benchmark was transferred.
- 10. After the original plan has been signed by the City, you will be notified to pick up the approved original and to then prepare three (3) copies of the approved original to be returned to the City.
- 11. Following completion of construction, the developer shall be responsible for submission of an as-built drawing of the stormwater management facility to ensure compliance with the approved plan. The as-built drawing must be sealed by a Maryland professional land surveyor, property line surveyor or engineer. The as-built drawing must be labeled "As-Builts" or "Record Drawings" and submitted to the City on mylar. Project surety will be withheld until the as-built information is submitted to and approved by the City.

#### STORMWATER MANAGEMENT

- 12. Bioretention is not an acceptable stormwater management best management practice (BMP) for this site. The minimum bioretention planting soil bed depth is 2.5 feet whereas the plan shows a 0.5-foot deep planting soil bed with possible expansion to not more that 1.0 feet because of the high groundwater table, which is assumed to be the approximate mean high tide elevation of 2.0. Lise of a surface or pocket sand filter is strongly recommended. The advantage of this BMP is that it has a 1.0-foot minimum filter media bed depth.
- Provide pretreatment volume required and volume provided calculations. See Appendix C.2 of the 2000 Manual for a sample calculation.
- 14. Confirm that the temporary runoff storage volume (75% of WQv) is met through a combination of the selected BMP and the pretreatment facility.
- 15. The selected BMP should be designed as an offline facility. Design a flow splitter device accordingly.
- Provide perpendicular cross sections of the selected BMP facility with dimensions, elevations and side slopes drawn to scale.
- Provide the filter media and geotextile fabric specifications.
- The following comments refer to the underdrain details.
  - . Show the perforated underdrain on the "Overflow Inlet Structure Detail" drawing.
  - Show a minimum 0.5 percent slope on the underdrain.
  - . Specify the underdrain material.
  - Show the underdrain location on the plan view Sheet C200 with dimensions as needed.
- 19 Clarify how the void space around the 12-inch overflow pipes at the bulkhead wall will be made watertight.
- 20. The following comments refer to the overflow spillway capacity calculations:
  - Use Manning's "n" of 0.013 for plastic pipe.
  - The "area" term used in the Manning's calculation should not be raised to the 2/3 power on Sheet 4 of the SWM calculations.
  - The overflow spillway must be able to convey the 10-year storm event with a minimum six inches of freeboard.
- 21. Provide a method of trapping floatables from passing through the overflow spillway.
- Clarify the location of curb and gutter that is referenced in the sequence of construction on Sheet C401.

- 23. A maintenance and inspection agreement for the stormwater management facilities must be completed and notarized and the original document returned to the City of Cristicld for recordation prior to site plan approval. On page 1 of the agreement form, enter the complete legal address of the property in the designated space. If the owner of the property is a company or a corporation, enter its name in the designated space on page 2. Also enter the title of the individual who signs for the property owner. A sample agreement form is attached. The fully executed maintenance and inspection agreement and a check for \$40 made payable to the "Clerk of Court" must be provided to the City. This agreement will be recorded by the City.
- 24. Following completion of construction, complete and submit to the City an MDE Notice of Construction Completion (NOCC) form for Stormwater Management Facilities. A sample form is available upon request. This is a form required by MDE for establishing a database of stormwater management structures throughout Maryland. The completed NOCC form is required prior to release of surety.
- 25. Provide proof of acquisition of a permit from MDE for the proposed bulkhead prior to site plan approval.
- 25. Additional comments regarding improvements to local streets may be forthcoming.
- 27. Critical Area comments will be provided under separate cover.
- 28. Provide the telephone number, fax number and e-mail address of the owner on the drawing.

Orace again, you are encouraged to contact me with any questions regarding the contents of this letter.

Sincerely, le Pusen

Dale Puscy, P. E. Stormwater Management Consultant

Cc: Mr. James Patrick Reese, Jr. Somerset Soil Conservation District City of Crisfield Code Enforcement Officer Critical Area Commission



#### MARYLAND DEPARTMENT OF THE ENVIRONMENT

2500 Broening Highway • Baltimore Maryland 21224

(410) 631- 3000 • 1- 800 -633-6101 • http:// www. mde. state. md. us

Parris N. Glendening Governor Jane T. Nishida Secretary

#### April 23, 1999

Mr. Frank Birney, Regional Manager Stormwater™ Management P.O. Box 329 Gaithersburg, MD 20884

Dear Mr. Birney:

Thank you for your recent letter and information concerning the Stormwater<sup>™</sup> Management "Stormfilter" product. You have requested that the Maryland Department of the Environment, Water Management Administration (MDE/WMA) allow this product to be used as a stand-alone stormwater quality management practice in Maryland. After reviewing this request, we offer the following comments.

As previously stated, MDE/WMA concurs that the "Stormfilter" product is a proprietary type of stormwater device. In Chapter 3.4 of the **Maryland Stormwater Design Manual**, WMA has established design criteria for stormwater filtering practices. Some of these criteria include pretreatment volumes, filter bed sizing, and specific coefficients of permeability (k) for the media used. If a filter system is designed according to the criteria listed in Chapter 3.4, it should meet the 80% total suspended solids (TSS) and 40% total phosphorus (TP) pollutant removal goals established in the manual and may be used as a stand-alone quality management practice.

MDE/WMA has reviewed the product manual and technical memorandum you submitted recently. As a result, WMA agrees that the "Stormfilter" may meet these pollutant removal goals when designed using the criteria in chapter 3.4 of the design manual. Therefore, this product may be used as a stand-alone practice for stormwater quality management when designed accordingly.

Thank you for your interest in Maryland's stormwater management program. If there are any questions concerning this issue, please contact me at (410) 631-3543.

Sincerely, L. Kenneth Pensyl, III Program Administrator Nonpoint Source Program

	Worksheet A: S	Standard Applicati	on Process
	Calculating Po	llutant Removal Req	uirements'
Ste	p 1: Calculate Existing a	nd Proposed Site Imper	vlousness
А.	Calculate Percent Impervio	ousness	
1)	Site Area within the Critical Area IDA, $A = 1.5390$ acres		
2)	Site Impervious Surface Area, Existing and Proposed, (See Table 4.1 for details)		
		(a) Existing (acres)	(b) Proposed (acres)
3)	Roads Parking lots Driveways Sidewalks/paths Rooftops Decks Swimming pools/ponds Other Impervious Surface Area Imperviousness (I)	.3453 .1657 .0209 .5237 .0006 .0831 1.1393	
	Existing Imperviousness, I <sub>pre</sub> Proposed Imperviousness, I <sub>pos</sub>	= Impervious $= (Step 2a) /$ $= (1.1393)$ $= -73.08$ $= Impervious$ $= (Step 2b) / ($ $= (1.1987)$ $= (2000)$	Surface Area / Site Area (Step 1) ) / (5390) % Surface Area / Site Area (Step 1) ) / (5590)
B. De	fine Development Category (c	= <u>76.90</u>	<u> </u>
1)	New Development: Existing	imperviousness less than	15% 1 /Go to Stop 34)
2)	Redevelopment: Existing	imperviousness of 15% L	$\frac{10}{10} = (GO to Step 2A)$
3)	Single Lot Residential Develop family residential development; and associated disturbance (Go criteria and requirements).	<u>ment</u> : Single lot being dev and more than 250 squar to Section 5, Residential	eloped or improved; single e feet of impervious area Approach, for detailed

and see in the



, **\** 

Step 3: C		Calc	Calculate the Post-Development Load (L <sub>post</sub> )				
<b>A.</b>	New	Devel	opment and Redevelopment:				
	Lpost	,	(R <sub>v</sub> ) (C) (A) (8.16)				
	R <sub>v</sub>	=	0.05 + 0.009 (I <sub>post</sub> )				
		• =	0.05 + 0.009 (76.88) = .7719				
· .	Lpost	= .	(.741))(,30)(1.5590)(8.16)				
		=`	2.83/4 Ibs/year of total phosphorus				
	Wher	e:					
	Lpost	<b>=</b>	Average annual load of total phosphorus exported from the post-				
	R,	=	Runoff coefficient, which expresses the fraction of rainfall which is				
	Ipost	=	Post-development (proposed) site imperviousness (i.e., I = 75 if site				
	C	=	Flow-weighted mean concentration of the pollutant (total phosphorus) in urban runoff (mg/l) = 0.30 mg/l				
	A 8.16	=	Area of the site within the Critical Area IDA (acres)				
Step	4:		Calculate the Pollutant Removal Requirement (RR)				
· .	RR	=	L <sub>post</sub> - (0.9) (L <sub>pre</sub> )				
		=	(2.83/4) - (0.9) (2.7008)				
		=	, <i>4006</i> Ibs/year of total phosphorus				
	Where	e:					
·	RR	=	Pollutant removal requirement (Ibs/year)				
		-	development site (lbs/year)				
	⊾pre	-	to development (lbs/year)				
			·				

Section 4.0 Standard Application Process

Step 5:	Identify F	eas	ble BMP(s	3)				
Select BMP Option Maryland Stormwa	ns using the sater Design Ma	cree anua	ning matric II. Calculate	es p e the	provided in the load removed	Chaj for (	pter 4 of the	e 2000 1.
ВМР Туре	(L <sub>post</sub> )	x	(BMP <sub>RE</sub> )	x	(% DA Served	) =	L	R
B-1 adair FILTER	2.8314	_×_	,40	x	. 1539	_ =	. 1793	lbs/year
B-2 Organie Filter	2.8314	_ x .	.40	×	.0863	_ = ,	.0977	Ibs/year
B-3 orGanic Fillor	2.8314	_ x .	. 40	_ x .	.1269	_ = .	.1431	_lbs/year
13-4 organic Fitter	2. 8314	_ x _	.40	x	.1257	_ =	,1423	_lbs/year
			Load	Ren	noved, LR (tota	I) =	.5579	Ibs/year
P	oliutant Remo	val	Requireme	nt, F	RR (from Step	) =	. 4006	Ibs/year
Where:								-
BMI % DA Serve RR I the Load Remove computed in Step 4	PRE = BN ed = Fra the = Pol ed is equal to t, then the on-	IP re oction BM lutai	moval effic n of the site P (%) nt removal reater than BMP comp	requ the	by for total phose a within the cri uirement (Ibs/ye Pollutant Remo with the 10% F	spho tical ear) oval Rule.	rus, Table area IDA s Requireme	4.8 (%) served by
Has the RR (pollu Drainage Are	4 = (l.0.in) 12	167 167	uirement)   <u>9/0.1 ft<sup>2</sup></u> -1		n met? 5659, 17 ft	2 Y .3	'es	□ No
$28-1 = \frac{871.48}{5659.13}$	<u>A</u> <sup>3</sup> = .15	39						
-3-2 = #88.59 5659.17	$\frac{A^3}{fH^3} = .0$	863						
3-3 = <u>715.59</u> 5659.17	$\frac{4^3}{4^3} = .12$	64						
B-4 = 711.68 5659.17	$\frac{4^3}{4^3} = .12$	:57						

Maryland Chesapeake and Atlantic Coastal Bays Critical Area 10% Rule Guidance Manual

4-14

P.02 9-7-07

EXISTING TIMPHOYOUS APPRAC				<u> </u>				
		• • • •			· · · · · · · · · · · · · ·		· · · · · · · · · ·	
Butcome = 22815.5 A2		• • • • •			• • • • • •		······································	• • • • • •
PARKING - 15041.4 A.2		• • • • • •	· · · · · · · · · · ·	• • • • • • • •	• • • • • • • •		· · · · · · · · · · ·	
DRIVENSAY = 7219.5 172			• • • • • • •		· · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
SIDEWALK = 910.9 ft			••••••		· · · · · · ·			
DecKs : 25.0 442		• • • • •	• • • • • • • •					
DTHER 3620.5 ft <sup>2</sup>			• • • • • • • • • •	• • • • • • • •	• • • • •			
TOTAL = 49632.8.42					· · · · · · · · · · · · · · · · · · ·			
			••••••		· · · · · · · · · · ·			
TOTAL SITE AREA = 67910.1.4			• • • • • • • • • •	• • • • • •	· · · · · · · ·			
					• • • •			
percent impensions = 79632.8	# =	<i>.730</i> 9		3,09%	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	
67710.1	++.		• • • • • • •	• • • • • • •	· · · · · ·			•
$\rho$					• • • •		· · · · · · · · · · · · · · · · · · ·	• • • • • • • • •
Ky = , P3 f. P09( 7)				,	• • • • •		• • • • • • • • •	
05+,009[73:09] × ,+0+8			· · · · · · · · · ·	,			• • • • • • • •	
WAY = (10, ). 7078 (67910, 1 A2)	4005	- 56 A					· · · · · · · · · · · · · · · · · · ·	
12 in 4-1			· · · · · · · · · · · · · · · · · · ·		• • • • • •		• • • • • • • •	•
	(J)- (C)				· · · · · · · · · · · ·		• • • • • • • • •	
$2^{0}$ [6. D]- $E_{x}$ (37/M) $G = 100000000000000000000000000000000000$	. <u>H</u> J= 04	7. // 4			· · · · · · · · · ·			
			· · · · · · · · · · · · · · · · · · ·					
TROPED	• • • • • • • • • • • • • • • • • • • •		·····		· · · · · · · ·			•
Building 35208.6.47-			· · · · · · · · · · · · · · · · · · ·		•••••			
PARKING = 15271.3 42			• • • • • • •					
5/10-224 LIK 1735-1 472	••••							
522/50/44	• • • • • • • •		••••••				•••••••••••	
	• • • • • • • • • •		· · · · · · · · · · · · · · · · · · ·					
10-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	12	7688	a 76	227	•••••			
67910.11	<u>.</u> γ. ζ.	1.000	······································	0/0	•••••		•••••••••••••••••••••••••••••••••••••••	
			• • • • • • •		· · · · · · · · · · · · · · · · · · ·			
2, , , , , , , , , , , , , , , , , , ,	88 JA	19.9	•••••		•••••		••••••	
	/ <b>c</b>	1.10	• • • • • • • • • •					
	יקוודי	TITLE	PROPOSED 9	b unit (	endemin	um	DATE: 8-1	6-07.
		PROJ	ECT REP	SF (mil	(مارم	A 1	IOTT FILE NO	: 06-018
ENGINEE ENGINEE	SRING	TOCA	PTONTO#	she 1	or ( i h	n A	DRAWN BY:	PEE
0 HAMMOND ST. • SUITE 100 • SALISBURY, 1	MARYLAND	LUCA	110N.7	<i><i><i>т</i>ест-U</i></i>	sotiele,	<u>9</u>	SCALE:	
(410) 749-7229 • FAY (410) 749-0001		I OWNE	R				CHEET NO.	

.

Proposed (Cont.)		
$WQ_{1} = (1.0 in (.7719) (67910.14^{2})$	119B.54 ft <sup>3</sup>	
1 - 47 77		
WATER QUALITY Volume Required		
20% OF EXISTING = 801.11 43		
100% OF Difference = 9198.54 ff - 400	25.56 A <sup>3</sup> = 192.98 ft <sup>3</sup>	
757AL WQ, required = 994.09 A2		
PEAK DISCHARGE FOR WATER PO	1A4174 STORM PER D.10.2	
CO-1 (catch BASIN-1)		
P=1.0 in		
$Q_{G} = P(R_{u}) = (1.0 \text{ in})(.95) = .95^{-1}$		
Rv=,05+,007(100)= .95		
CN= 1000		
$L10 + 5P + 10Q - 10\sqrt{Q_{a}^{2} + 1.25Q_{a}}$	 P]	
CU = 1000		
L10 + 5(11,0,ir) + 10(.95) - 10 √(.95)* + 1	. 25 ( . 95 ) ( 1. 0. h.).	
$T_{4} = \left(\frac{200}{4}\right) - 2 = 2 \left(\frac{200}{4}\right) - 2 = 0.0086$		
(		
94: = 1000 Ksm in 04		
A= 1100 8 21 9 - 2527 are ( 1640	$mi^2 \cdot acre^2 = .00039787 mi^2$	
$72560.44^{\circ}ac^{\circ}$	· · · · · · · · · · · · · · · · · · ·	
Qe= (1000 csm:in )(,00039487 mi <sup>2</sup> )(.95	) = .3751 (F3	
N(cartridges): 8(CFJ) × 449(qpm-CFS); (, 15/SAM/cartridge7	3751 CFJ)(499 gpm CF5-1) . 11.22 C	ARTRIDGES
	TITLE PROPOSED 90 unit Condminium	DATE: 8-16-07
ARCHITECTURE ENCIMEEDING	PROJECT REVE CONDOMINIUM	IOTT FILE NO.: 06-018 DESIGN BY:
EINGINEERING	LOCATION 7th Street Costield, MD	DRAWN BY: REE
310 HAMMOND ST. • SUITE 100 • SALISBURY, MARYLAND (410) 749-7229 • FAX (410) 749-0001	OWNER	SHEET NO.: 2

		·····
Catch Basin - 41		
A = 6171: 73 #2= 1416 arre (1/640 mi2=	$acre^{-1} = .00022/38 mi^{2}$	
43560 ft acri		
$Q_{a} = (1000 \text{ Grm} \text{ in}^{-1})(1000 22/38 \text{ m})^{2}(195) =$	2/03 CFS	
	· · · · · · · · · · · · · · · · · · ·	
N (cartridger) = g (CFS) × 449 (gem CFS")	.2103 CFS (449 gpm - CF5 ')	6.29 cartrides of
15 [gpm · Cartriage	15 gpm · cartridge	7 cartridges
CB+3 (artch Dasin-3)		
	·····	
A- 9039. 04 A. 2075 acre (1690	$m_1^2$ acre) = .00032422 $m_1^2$	
-93560 ft": aora		
D (10-2 (2) / 00022477 2)	(95) = 3000 Ars	
$\alpha_{p} = (1000  \text{Gm} \cdot 10^{-1})(, 00032722  \text{m} \cdot 10^{-1})$		
N (Cartridges) = a (CES) x 449 ( Som CES?	) . 3080 CFS (449 DDM SF	s=1) 9.21 c.4
15 (gpm. cartridge-1)	15 gpm : cartridge	
		to cartridges
CB-7 (Catch BASIN-4)		
A= 8989.59 A=		· · · · · · · · · · · · · · · · · · ·
43560 Aft acre (1640 1	Mitracre ) =00032250 Mi	
()= 2 ( 1)~~ perme = "1" ~~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	t) = 3064 /+-	
$\mathcal{L}_{\mathcal{A}} = \mathcal{L}_{\mathcal{A}} = $	· J · · · - · · · · · · · · · · · · · ·	
N(Cartridges) = ,3064 CFS × 449 Rom + CFS	-1 - 9.17 Cartridges	
15 gpm: cartridge-1		
	10 Cartilages	
ARCHITECTURE	TITLEPROPOSI-D 90 Unit Concerniniana	DATE: 8-16-07
	PROJECT REESE CONDOMINATION	DESIGN BY:
ENGINEERING	LOCATION 74 street Cristicia MM	DRAWN BY: REC
310 HAMMOND ST. • SUITE 100 • SALISBURY, MARYLAND (410) 749-7229 • FAY (410) 749-0001	OWNER	SCALE:
(+10) (+0-1223 - FAA (+10) (+0-0001		SHEET NU.: 3

.

WATER QUALITY YOLUME PRO	DUIDEO	
WATER QUALITY VOLUME AT CB-1		
Contribution roof area = 1100	≈8.2 <i>1 4</i> °	
$h_{1}Q_{1} = (I, p, -)Y(.95)(IIppB)$	21 (7	
12 m G		
		·····
Contributing IDQT Grea = 9	<i>J.71.2.7.J.F7</i>	
$WR_{v} = (1.0.in)(.75)(0.1)$	(71.73 ft <sup>2</sup> ), 488.59 ft <sup>3</sup>	
12 h; ff <sup>-1</sup>		
Contributing roof area = 70	39.04 ff <sup>2</sup>	
WQ = (1.0.1)Y = 95Y	9039,09 G <sup>2</sup> ) 715,59 G <sup>2</sup>	
1.2 infy:		
Fontributions Conf area =	8789.59 A <sup>2</sup>	
$WQ_{v} = (1.0in)(.95)(.8)$	3989, 59 ft <sup>-</sup> ]	
/ <b>2</b> /2-/4	·····	
TO TAL WATER QUALITY VOLU	ME PROVIDED 5	
	$\gamma \mathcal{A} \circ \gamma \mathcal{A}$	
46	71, 70	
7	5, 59 H <sup>3</sup>	
<u>-</u>	<u>1,68 A<sup>3</sup></u>	
27	-87.39 A <sup>3</sup>	
<u>  </u>	······································	
ARCHITECTURE	TITLE PROPOSED 90 unit Condeniation	UATE: 8-16-07
	PROJECT REESE Companyinium	DESIGN BY:
	LOCATION7" Street Cristicld, MD	DRAWN BY: <i>REE</i>
(410) 749-7229 • FAX (410) 749-0001	OWNER	Sheet No.: 🗲

.

.













# **CRITICAL AREA ANALYSIS**

### FOR

## JAMES PATRICK REESE JR. & APRIL DAWN REESE

PROPOSED 90 UNIT CONDOMINIUM SEVENTH STREET CRISFIELD, MARYLAND

SHI	EET INDEX	1.1
No.	DESCRIPTION	ISSUED
CS	COVER SHEET & VICINITY MAP	09.13.06
	CRITICAL AREA RESPONSE LETTER	09.13.06
C1.0	EXISTING IMPERVIOUS AREAS - TOTAL SITE	09.13.06
C1.1	EXISTING IMPERVIOUS AREAS IN 100 ft BUFFER	09.13.06
C1.2	EXISTING PLANTABLE AREAS - TOTAL SITE	09.13.06
C1.3	EXISTING PLANTABLE AREAS IN 25ft SETBACK	09.13.06
C1.4	PROPOSED IMPERVIOUS AREAS - TOTAL SITE	09.13.06
C1.5	PROPOSED IMPERVIOUS AREAS IN 100ft BUFFER	09.13.06
C1.6	PROPOSED PLANTABLE AREAS - TOTAL SITE	09.13.06
C1.7	PROPOSED PLANTABLE AREAS IN 25ft SETBACK	09.13.06
C1.8	EXISTING TO PROPOSED TAKEOFFS IN 100ft BUFFER	09.13.06

Janes Island State Park

VICINITY MAP

#### RECEIVED MD. DEPARTMENT OF PLANNING

JAN 31 2007

NONER EASTERN SHORE OFFICE





CRITICAL AREA TAKEOFFS EXISTING IMPERVIOUS AREAS TOTAL SITE

#### IMPERVIOUS AREAS:

BUILDING=	22815.5 ft <sup>2</sup>
PARKING=	15041.4 ft <sup>2</sup>
DRIVEWAY=	7219.5 ft <sup>2</sup>
SIDEWALK=	910.9 ft²
DECKS=	25.0 ft <sup>2</sup>
OTHER=	3620.5 ft²
TOTAL=	49632.8 ft <sup>2</sup>

TOTAL SITE AREA= 67910.1 ft<sup>2</sup> % OF SITE IMPERVIOUS= 73.09%





CRITICAL AREA TAKEOFFS EXISTING IMPERVIOUS AREAS INSIDE 100ft. BUFFER

#### IMPERVIOUS AREAS:

UILDING=	12799.0 ft <sup>2</sup>
ARKING=	3795.6 ft²
DRIVEWAY=	5077.7 ft <sup>2</sup>
SIDEWALK=	883.7 ft <sup>2</sup>
DECKS=	25.0 ft <sup>2</sup>
OTHER=	3509.4 ft <sup>2</sup>
TOTAL=	26090.4 ft <sup>2</sup>
ITE AREA=	67910.1 ft <sup>2</sup>
ER AREA=	34713.5 ft <sup>2</sup>
IMPERVIOU	IS= 75.16%



	ARCHITECTUR ENGINEERIN INCORPORATED 310 HAMMOND ST. • SUITE 100 • SALISBURY, MARYLAN (410) 749-7229 • FAX (410) 749-0001
ITICAL AREA TAKEOFFS ISTING PLANTABLE AREAS TAL SITE PLANTABLE= 18277.3 ft <sup>2</sup> TAL SITE AREA= 67910.1 ft <sup>2</sup> TE PLANTABLE= 26.91%	JAMES PATRICK REESE PROPOSED 90 UNIT CONDOMINIUM SEVENTH STREET CRISFIELD, MARYLAND TOTAL SITE EXISTING PLANTABLE AREAS
	DATE: 09.13.06 IOTT FILE NO.: 06-018 DESIGN BY: DM DRAVN BY: JRG SCALE: 1"=40 SCALE: 1"=40 STAGE: PRELIM. DWG, FILE: 06-018-C1.2



		ACHIE	T T ENGINE	INCORPOR	310 HAWMOND ST. • SUITE 100 • SALISBURY MA	(410) 749-7229 • FAX (410) 749-0001	
DENT ICAL AREA TAKEOFFS TING PLANTABLE AREAS SETBACK PLANTABLE = 516.1 ft <sup>2</sup>	JAMES PATRICK REESE PROPOSED 90 UNIT CONDOMINIUM SEVENTH STREET CRISFIELD, MARYLAND					EXISTING PLANTABLE AREAS IN 25 ft SETBACK	
SITE AREA= 07910.1 ft <sup>2</sup> 3ACK AREA= 7028.0 ft <sup>2</sup> 9LANTABLE= 7.34%	DATE: 09.13.06 107T FILE NO.: 06-018	DESIGN BY: DM	DRAWN BY: JRG	SCALE: 1"=40	STAGE: PRELIM.	DWG. FILE: 06-018-C1.3	





		ARCHITECTURE		ENGINEERING	INCOMENTED	310 HAWMOND ST . SUITE 100 . SALISBURY WARVIAND	(410) 749-7229 • FAX (410) 749-0001
000000 000000 000000		JAINIEO PALAION REEDE	PROPOSED 90 UNIT CONDOMINIUM	SEVENTH STRFFT	CRISFIFI D MARYI AND		PROPOSED IMPERVIOUS AREAS INSIDE 100 ft BUFFER
	DATE: 09.13.06	IOTT FILE NO .: 06-018	DESIGN BY: DM	DRAWN BY: JRG	SCALE: 1"=40"	STAGE: PRELIM.	DWG. FILE: 06-018-C1.5
		C	2	)	L	5	2











NOTES	JAMES P. SEVENTH STREET -	REESE, JR. CRISFIELD, MARYLAND	
1 EVISTING CONTOURS AND SPOT ELEVATIONS DEELECT 1000 NOVD	SCALE 1" = 30'	DATE 7 APRIL 2006	
1. EXISTING CONTOORS AND SPOT ELEVATIONS REFLECT 1929 NGVD	DEED REF. 447/888	SUBD.	DENN
2. STREETS SHOWN AS "CLOSED" REFLECT THOSE SHOWN ON RECORD	PLAT REF. 20/35	LOTAS SHOWN BLOCK AS SHOWN	DENT
VERIFY THESE STREET CLOSINGS. NO TITLE SEARCH REQUESTED OR	COUNTY SOMERSET	DISTRICT CRISFIELD NO. 7	
PERFORMED.	TAX MAP 102 PARCEL 105,108	ZONING	<u>MN</u> 124
	F.I.R.M. MAP NO. 240062 0001C	FLOOD HAZARD ZONE A3, B	1
	PROJ. NO. 04-126-06	SURV/DR WBW/BMD FB/pg 93/53	TEL 410-





		E REMARKS
H H M CAL AREA BUFFER O NON H M N N N N N N N N N N N N N N N N N		I CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME A DULY LUCENSED ARCHITECT UNDER THE LUNUS OF THE STATE OF MARYLAND MARYLAND DAVID P. MILLER LICENSE NO: 7188 EXPIRATION DATE: 7/13/2008
CAL AREA SETBACK		ACHITECTURE ARCHITECTURE BNGINEERING INCORPORATED 310 HAMMOND ST. • SUITE 100 • SALISBURY, MARYLAND (410) 749-7229 • FAX (410) 749-0001
LINETYPE LEGEND	SILT FENCE / LIMITS OF DISTURBED AREA SUPER SILT FENCE / LIMITS OF DISTURBED AREA STABILIZED CONSTRUCTION ENTRANCE (SCE) LIMITS OF DISTURBED AREA	8/21/2007       8/21/2007         0.1.NO.: 06-018       JAMES PATRICK REESE, JR. & ADRIL DAWN REESE         DJ. NO.: 06-018       BY:         BY:       DPMIL DAWN REESE         BY:       PROPOSED 90 UNIT CONDOMINIUM         BY:       SEVENTH STREET         AS NOTED       SEVENTH STREET         PRELIM       SEDIMENT AND EROSION CONTROL PLAN
		ADC DESIGN E DATE:

