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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/

November 5, 2007

Ms. Yvonne Chaillet St. Mary's County Government Department of Land Use and Growth Management P O Box 653 Leonardtown, Maryland 20650

Re:

Variance Application 07-0716; Smith

23600 Gross Drive

Dear Ms. Chaillet:

Thank you for providing information on the above referenced variance. The applicant is requesting a variance to disturb the 100-foot Buffer in order to install a replacement septic system. The parcel is 4.25 acres in size and located within the Limited Development Area (LDA).

Based on the information provided, this office does not oppose this request. Due to the presence of two tributary streams and adjacent steep slopes and highly erodible soils, nearly the entire property is located within the Buffer or expanded Buffer. Given other constraints on the site including the location of the well, the selected area is the only place available to install the replacement septic system. Finally, the submittal includes mitigation at a ratio of 3:1 for the area of disturbance within the Buffer. As a condition of approval, I recommend the Board of Appeals require the applicant apply to Maryland Department of the Environment's Bay Restoration Fund for financial assistance to upgrade the proposed system using denitrification technology. They may contact Shan Abeywickrama at 410-537-3921 for further information.

Thank you for the opportunity to provide comments. Please include this letter in your file and submit it as part of the record for this variance. Also, please notify the Commission in writing of the decision made in this case.

Sincerely,

Kate Schmidt

Natural Resource Planner

SM609-07

St. Mary's County Government DEPARTMENT OF LAND USE AND GROWTH MANAGEMENT

Denis D. Canavan, Director Phillip J. Shire, Deputy Director



Francis Jack Russell, President Kenneth R. Dement, Commissioner Lawrence D. Jarboe, Commissioner Thomas A. Mattingly, Sr., Commissioner Daniel H. Raley, Commissioner

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MISSION

Coastal Bays

MEMORANDUM

DATE:

November 9, 2007

TO:

Denis Canavan, Director

FROM:

Yvonne Chaillet, Zoning Administrator

Jenn Ballard, Environmental Planner

SUBJECT:

AD VAAP # 07-0716, Smith - Septic System Replacement

Administrative Hearing of November 8, 2007

Supplemental Report

I. DEVELOPMENT DATA

REQUEST: Variance from Section 71.8.3 of the Comprehensive Zoning Ordinance to disturb the

expanded Critical Area Buffer to replace a septic system.

OWNER:

Shannon and Katherine Smith (Owners)/ Paul DiBenedetto ("the Applicant")

LOCATION: 23600 Gross Drive, California, MD 20619

TAX MAP:

35

ELECTION DISTRICT: 8

BLOCK:

7

ACREAGE: 4.25 acres

PARCEL:

138

USE: 11, single-family dwelling, detached

ZONING:

Residential Low Density (RL) District, Resource Conservation Area (RCA) Overlay.

II. NOTIFICATION: The property and variance request were advertised in *The Enterprise* on October 24, 2007 and October 31, 2007.

III. APPLICABLE REGULATIONS

St. Mary's County Comprehensive Zoning Ordinance (Ordinance)

- 1. Section 20.4 Director of Planning and Zoning. Powers and Duties
- 2. Section 24.4 Specific Standards for Granting Variances in the Critical Area
- 3. Section 71.8.3 The 100-Foot Critical Area Buffer

IV. STAFF COMMENTS:

1. The subject property (Property) is in the Kingston Manor Subdivision which was recorded in 1972, prior to the adoption of the Maryland Critical Area regulations on December 1, 1985. The Property contains an existing one-story single-family dwelling, which was constructed in 1977, an attached deck, driveway loop and concrete walk. The Property is nearly entirely constrained by an expanded stream buffer, which has been expanded for steep slopes and highly erodible soils (Evesboro

P.O. Box 653 • Governmental Center • 23115 Leonard Hall Drive, Leonardtown, MD 20650 Phone 301.475.4200 x1500• Fax 301.475.4672 • www.co.saint-marys.md.us Westphalia complex – EwE2). The two streams on the property are intermittent and flow into Kingston Creek.

- 2. The amount of existing impervious surface is 5,582 square feet or 3.1 percent of the Property. The Applicant plans to install a new septic system to replace a failing system. No new impervious surface will be added to the property. The allowable amount of impervious surface on a grandfathered lot greater than one acre is 15 percent.
- 3. The amount of existing vegetative cover on the Property is 167,330 square feet or 90.4 percent of the Property. The Applicant needs to clear 7,625 square feet or 4.6 percent of the existing vegetative cover on the Property in order to install the replacement septic system. Of the 7,625 square feet of clearing, 7,105 square feet of clearing (4.3 percent of existing vegetative cover) will occur within the Buffer in order to install the replacement septic system.
- 4. The Health Department and Soil Conservation District approved the site plan on October 18, 2007 and August 24, 2007 respectively. The Critical Area Commission does not oppose the variance request, but recommends that the Applicant upgrade the septic system to include de-nitrification technology. The County, however, does not have regulations or a process in place to address denitrification.
- 5. If the variance is granted, it shall lapse one year after the date of approval unless there is an active building permit.
- 6. Following is staff's analysis of the Standards for granting a variance in the Critical Area:
 - a. That special conditions or circumstances exist that are peculiar to the land or structure involved and that strict enforcement of the Critical Area provisions of this Ordinance would result in unwarranted hardship.

<u>Staff Analysis</u>: The Property is a grandfathered lot and is constrained by an expanded stream buffer, steep slopes and highly erodible soils. The existing house was constructed in 1977, prior to the adoption of the Critical Area regulations.

A strict enforcement of the Critical Area provisions of the Ordinance would prohibit any new development activities in the Critical Area Buffer. The only portions of the lot that are outside the Buffer are occupied by the existing house, existing septic field and a portion of the replacement septic system. In fact, there is little room outside the Buffer to construct or install anything.

For these reasons, staff finds that special conditions exist that are peculiar to the Property and that strict enforcement of the Critical Area provisions would result in unwarranted hardship.

b. That strict interpretation of the Critical Area provisions of this Ordinance will deprive the applicant of rights commonly enjoyed by other properties in similar areas within the Critical Area of St. Mary's County.

<u>Staff Analysis</u>: Other property owners on grandfathered properties in the LDA, whose properties were nearly entirely constrained by the expanded Critical Area Buffer, have obtained variances to replace failing septic systems to serve existing homes. A strict enforcement of the Critical Area

provisions of the Ordinance would deny the Applicant the ability to install a functioning septic system, which would deprive the Applicant of rights commonly enjoyed by other property owners.

c. The granting of a variance will not confer upon an applicant any special privilege that would be denied by the Critical Area provisions of this Ordinance to other lands or structures within the Critical Area of St. Mary's County.

Staff Analysis: The granting of the variance will allow the Applicant to clear a modest percentage of vegetative cover on the Property in the Critical Area Buffer to replace a failing septic system with a functioning system. This is not a special privilege that would otherwise be denied to other property owners as noted in Standard "b."

d. The variance request is not based upon conditions or circumstances that are the result of actions by the applicant.

<u>Staff Analysis</u>: The variance request is based on the adoption of the Maryland Critical Area regulations and the County's Critical Area program after the Property was recorded and the house was constructed.

e. The granting of a variance will not adversely affect water quality or adversely impact fish, wildlife, or plant habitat within the Critical Area, and that the granting of a variance will be in harmony with the general spirit and intent of the Critical Area program.

<u>Staff Analysis</u>: The Applicant will be required to implement sediment control measures during construction and to mitigate for clearing of vegetative cover and disturbance in the Buffer.

Staff finds that if the variance is granted, a Critical Area Buffer Planting Agreement and Planting Plan will be necessary to alleviate any impacts to water quality due to the disturbance in the Buffer. Staff believes that the required plantings will assist in improving and maintaining the functions of the Buffer. The Planting Agreement requires mitigation at a ratio of three to one (3:1) per square foot of the variance granted in accordance with Section 24.4.2.b of the Ordinance.

The required plantings will improve plant diversity and habitat value for the site and will improve the runoff characteristics for the Property, which should contribute to improved infiltration and reduction of non-point source pollution leaving the site.

For these reasons, staff finds that the granting of the variance to clear vegetative cover and install a replacement septic system in the Critical Area Buffer will not adversely affect water quality or adversely impact fish, wildlife, or plant habitat within the Critical Area, and that the granting of the variance will be in harmony with the general spirit and intent of the Critical Area program.

f. The variance is the minimum necessary to achieve a reasonable use of the land or structures.

Staff Analysis: Staff finds that the variance to clear 7,105 square feet of vegetative cover in the Critical Area Buffer to install a septic system is the minimum necessary to achieve a reasonable use of the land. Nearly the entire lot is constrained by the expanded Buffer. The proposed clearing will

result in a 4.3 percent loss of vegetative cover in the Critical Area Buffer and 4.6 percent loss of vegetative cover on the Property.

Staff finds that the proposed septic system replacement is a reasonable improvement to a property which has a house that was constructed 30 years ago.

- V. STAFF RECOMMENDATION: Staff finds that the Applicant has met the Standards for granting a variance in the Critical Area and recommends approval of VAAP #07-0716 to clear vegetative cover and install a septic system in the Critical Area Buffer, subject to the Applicant complying with the Critical Area Planting Agreement.
- VI. CONCLUSION: The public hearing was held as advertised and was attended by Shannon and Katherine Smith, Paul DiBenedetto, and Peter DiBenedetto. Paul presented the variance request, and submitted a letter from John Casana, P.E. and Diplomate, American Academy of Water Resources Engineers. Mr. Casana surveyed the subject property on October 21, 2007 and concluded that "the existence of an overland flow channel at the base of each of the two slopes adjacent to the site is not sufficient to conclude that overland flow occurs, at any given time, in continuity, from the subject site to Kingston Creek." Staff did not receive comments from any of the neighboring property owners.

20/13/07

Denis Canavan, Director

VII. ATTACHMENTS:

Attachment #1- Critical Area Comments

Attachment #2- Site Plan

Variance Application Date: October 1, 2007

