Town of Oxford



Preserving our past for the future, by planning in the present...

CHERYL LEWIS
TOWN ADMINISTRATOR
November 20, 2019



Designated as
one of two
official points
of entry in
1694 by the
King & Queen

One of Maryland's Oldest Port Towns Established as a place of trade in 1683









Which evolved into larger grant funded projects...

And private ingenuity ...







These projects are maintained and studied from year to year













- Questions and Actions:
- As a town planner, working with your town council, Discuss and include items such as road closures, pa
- economic burden, business closures and related impa Where does flooding occur during heavy rain events? In businesses and homeowners?
- businesses and nomeowners.

 Where does flooding occur during high tide events? How d businesses and homeowners? businesses and homeowners?

 What are the town's short-term and long-term goals and prior

 in the state of the What are the town's short-term and long-term goals and prior the standard of there is a historical structure of particular important of the standard of the st are goals for the town.
- take note it there is a historical structure of particular importance of the form the form of the form In terms of the town.

 In terms of the town's Critical Area program, are there specific parts of the town's Ara there are analysis alamanta of the transaction parts. In terms of the town's Critical Area program, are there specific parts of the program the
- Particularly well and the community likes?
 What barriers are there to investing in coastal resilience? What kind of might there be in meeting regulations? Review Oxford's Case Study as an example.

Case Study: Oxford's Anecdotal Assessment for Coastal Resiliency

Road closures due to flooding from both storm events and high tide events are frequent the Called t Road closures due to flooding from both storm events and high tide events are frequents and nut of town floods during and after such events. Rusinesses and issues in the Town of Oxford. Transportation is a concern because the Causeway, the homeowners must also deal with flooding on their properties and in their buildings. One main roadway into and out of town, floods during and after such events. Businesses and method the Town has developed to let drivers know how deep the floodwater is and if homeowners must also deal with flooding on their properties and in their buildings. One it's safe to drive through are "hinh_water markers" which are wonden nosts nainted in method the Town has developed to let drivers know how deep the floodwater is and if different shades of blue: residents familiar with the area know to avoid driving through a

it's safe to drive through are "high-water markers" which are wooden posts painted in specific location if the water level has reached a narticular blue shade different shades or blue; residents familiar with the area know to avoid of the water level has reached a particular blue shade. A main priority for the community is maintaining its historic character and green the converse limit of forty narcent across the enti-A main priority for the community is maintaining its historic character and green town, even in their Intensely Developed Areas that would typically have no lot coverage. infrastructure. Thus, they have a lot coverage limit of forty percent across the entire limit. This has made it difficult to encourage the use of pervious pavers. Which could

but still contribute to the lot coverage limit.

town, even in their Intensely Developed Areas that would typically have no lot coverage the use of pervious pavers, which could their flooding issues as they are typically more expensive than usual materi limit. This has made it difficult to encourage the use of pervious pavers, which could but still contribute to the lot coverage limit. From our preliminary meeting with officials from the Town of Oxford, we confirmed that From our preliminary meeting with officials from the Town of Oxford, we confirmed that most development in the Town of Oxford is redevelopment, with only one new house

Critical Area Coastal Resilience Planning Guide



Critical Area Commission for the Chesapeake and Atlantic Coastal Bays

4/14/2016

Improve Coastal Resilience
by including new or revised elements in the
Oxford Critical Area Regulations

that continue to provide water quality measures while also addressing

Oxford's Stormwater and Tidal Intrusion issues and build additional defense against more serious threats.

Residential Stormwater Options

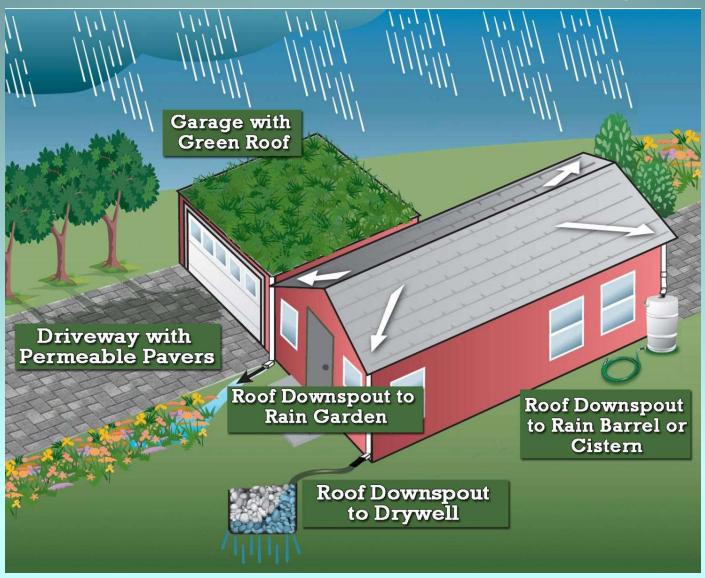


Image credit Montgomery County / Critical Area Coastal Resiliency Planning Guide / Critical Area Staff

Development and redevelopment activities which create a permanent disturbance of 5,000 square feet or less shall include stormwater management practices in accordance with the following table and subsection (a) below. Development and redevelopment activities which create a temporary disturbance are exempt from this requirement.

Permanent disturbance threshold	250 - 500 sf SA	501 - 1000 sf SA	1001 - 2000 sf SA	2001 - 3000 sf SA	3001 - 4000 sf SA	4001 - 4999 5000 sf SA
Rain garden* minimum size requirements	50 sf, 0.5 ft pd, 1.0 ft md	75 sf, 0.5 ft pd, 1.0 ft md	total of 150 sf, 0.5 ft pd, 1.0 ft md	total of 250 sf, 0.5 ft pd, 1.0 ft md	total of 350 sf, 0.5 ft pd, 1.0 ft md	total of 450 sf, 0.5 ft pd, 1.0 ft md
Bioswale* minimum size requirements	50 sf, 0.5 ft pd, 1.0 ft md	75 sf, 0.5 ft pd, 1.0 ft md	total of 150 sf, 0.5 ft pd, 1.0 ft md	total of 250 sf, 0.5 ft pd, 1.0 ft md	total of 350 sf, 0.5 ft pd, 1.0 ft md	total of 450 sf, 0.5 ft pd, 1.0 ft md

^{*} One hundred square feet of permanent disturbance may be offset with a standard rain barrel that holds a minimum capacity of 50 gallons.



Credit: Critical Area Coastal Resiliency Planning Guide / Critical Area Staff

<u>Permanent disturbance</u>. A material, enduring change in the topography, landscape, or structure that occurs as part of a development or redevelopment activity. Permanent disturbance includes:

Clearing of a tree, forest, or developed woodland, other than clearing activities in undertaken in connection with a temporary disturbance activity as defined in this Section. (applies to trees 35' or more in height)

a. Individual trees cleared shall be replaced in the Critical Area on the following basis:

Diameter at breast height (DBH) of removed tree	Planting Requirement
Less than ten inches	One tree
Between ten and sixteen inches	Two trees
Greater than sixteen inches	Three trees

b. Replacement trees shall be native species measuring at least five feet tall with a minimum caliper of two inches.

Resilient Buffer Management Areas

Example of current mitigation 50 ft house driveway new shed -200 sf Example of proposed mitigation 50 ft house driveway new shed -200 sf

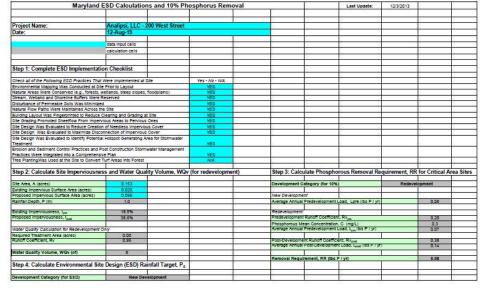


Mitigation for development or redevelopment in the in the BMA approved under the provisions of this subsection shall be implemented as follows:

a. Natural forest vegetation of an area twice the extent of the footprint of the development activity within the 100-foot Buffer shall be planted on site in the Buffer or at another location approved by the Planning Commission.

Native vegetation consisting of approved grasses and shrubs (Oxford Buffer Management Areas Approved Species) of an area twice the area of the permanent disturbance within the 100-foot Buffer shall be planted in the following order of priority according to 9.b below:

- Grasses shall be planted in the first five feet landward of the edge of the shoreline until fully established.
- Shrubs shall be included within the first five-foot strip at the rate of two small shrubs or one large shrub per ten feet of shoreline.
- Grasses and shrubs or trees shall be planted adjacent to the five-foot planting strip and within the first twenty-five feet landward of the shoreline until fully established.

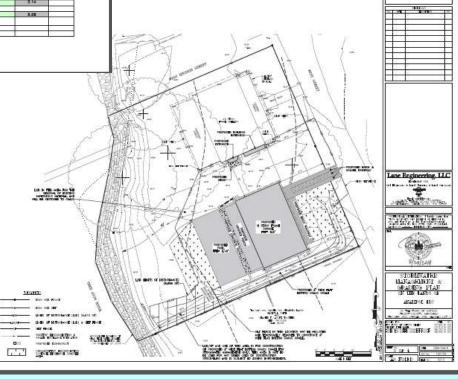


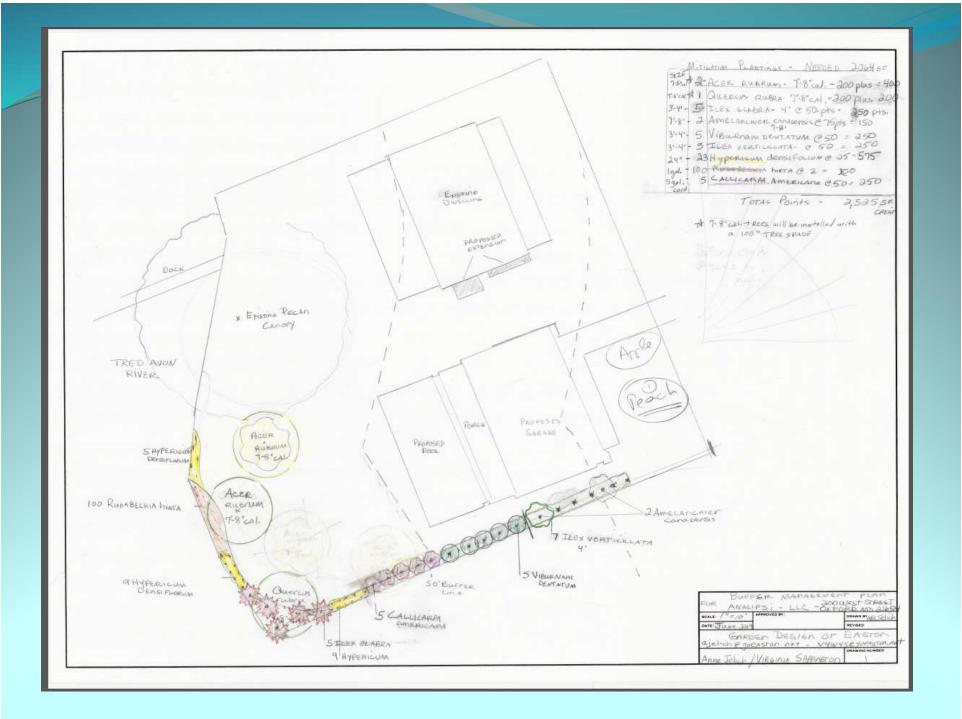
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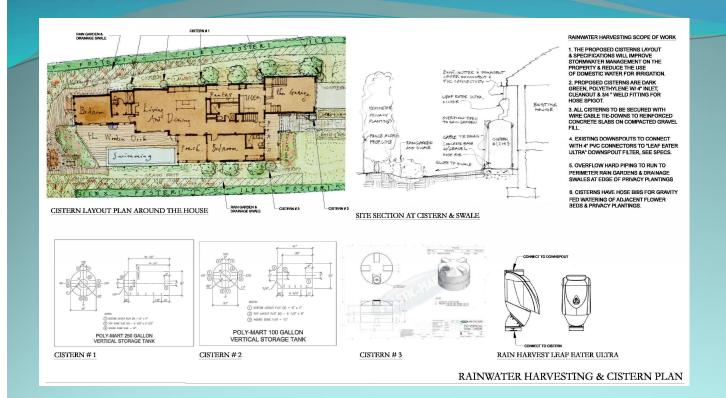
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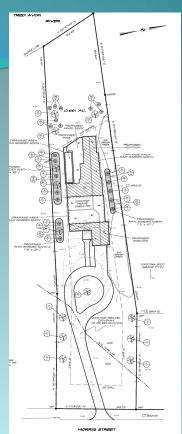
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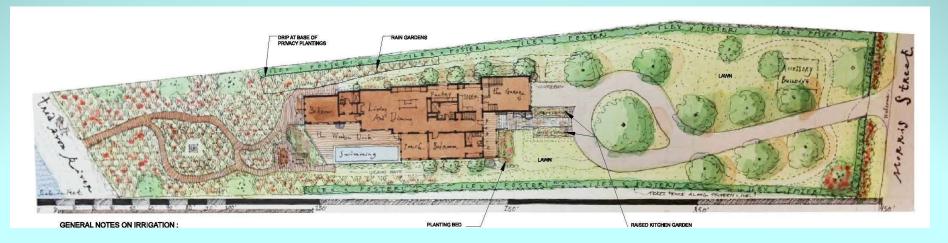
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In the R-1, R-2 and R-3 Districts, lot coverage installed on residential lots for driveways, patios and walkways using permeable surfaces may be calculated at 75% of the total area covered, provided the following conditions are met:

- a. Permeable surfaces are installed by an Interlocking Concrete Paving Institute (ICPI) or other similarly recognized organization certified installer;
- b. Permeable surfaces include porous asphalt, pervious concrete, concrete or brick pervious pavers and open-celled pavers; and
- c. Property owner signs agreement stating that they have read and understood associated maintenance requirements.

The provisions of this subsection do not apply to the Buffer Management Area.





