

RESOURCE PROTECTION AREA (RPA) NOTES

RESOURCE PROTECTION AREA (RPA) NOTES

1. LAND DISTURBANCE IS NOT PERMITTED IN THE RPA WITHOUT COUNTY REVIEW AND APPROVAL.
2. THE IDENTIFIED LIMITS OF CLEARING AND GRADING MUST BE STRICTLY OBSERVED AND ENFORCED. ADDITIONAL ENCROACHMENT,DISTURBANCE OR VEGETATION REMOVAL IN THE RPA OTHER THAN IDENTIFIED ON THIS PLAN MAY BE SUBJECT TO ENFORCEMENT ACTION INCLUDING CIVIL CHARGES AND PENALTIES.
3. THE RESOURCE PROTECTION AREA BOUNDARY INCLUDED IN THIS PLAN HAS BEEN DELINEATED BASED ON A SITE-SPECIFIC EVALUATION AND HAS BEEN LOCATED BY A PROFESSIONAL LAND SURVEYOR.THE BOUNDARY DEFINES A 100-FOOT MINIMUM RESOURCE PROTECTION AREA BUFFERAND INCLUDES ANY ADJACENT STEEP (≥25 PERCENT) SLOPES. CERTIFICATION THAT THE DELINEATION IS COMPLETE AND ACCURATE IS PROVIDED ON (SHEET X).
4. TO MINIMIZE THE ADVERSE EFFECTS OF HUMAN ACTIVITIES ON THE OTHER COMPONENTS OF THE RPA, STATE WATERS, AND AQUATIC LIFE, A BUFFER AREA AT LEAST ONE HUNDRED (100) FEET WIDE OF VEGETATION THAT IS EFFECTIVE IN RETARDING RUNOFF, PREVENTING EROSION, AND FILTERING NONPOINT SOURCE POLLUTION FROM RUNOFF SHALL BE RETAINED IF PRESENT AND ESTABLISHED WHERE IT DOES NOT EXIST. NOTWITHSTANDING PERMITTED USES, ENCROACHMENTS, AND VEGETATION CLEARING , THE MINIMUM ONE HUNDRED (100) FOOT BUFFER AREA SHALL NOT BE REDUCED IN WIDTH.
5. NO USE OTHER THAN WATER-DEPENDENT FACILITIES OR REDEVELOPMENT IS PERMITTED IN THE RPA, UNLESS OTHERWISE AUTHORIZED BY CHAPTER 61 OF ARLINGTON COUNTY CODE.

OPTIONAL NOTES. USE AS NECESSARY ON A PROJECT-BY-PROJECT BASIS.

6. THE LANDSCAPE PLAN INCLUDED ON (SHEET RPA2) HAS BEEN PREPARED BY A LANDSCAPE ARCHITECT OR LICENSED ARBORIST AND IS CERTIFIED AS COMPLETE AND ACCURATE.
7. THE STORMWATER FACILITY MAINTENANCE AND MONITORING AGREEMENT APPLIES TO THE MITIGATION AND ADAPTATION MEASURES LISTED IN THE RESOURCE PROTECTION AREA MITIGATION SCHEDULE ON (SHEET RPA2) UNLESS OTHERWISE NOTED IN PLANS.
8. ALL PRIVATE ONSITE SEWAGE TREATMENT SYSTEMS NOT REQUIRING A VIRGINIA POLLUTANT DISCHARGE ELIMINATION SYSTEM (VPDES) PERMIT SHALL BE PUMPED-OUT OR INSPECTED AND CERTIFIED BY A LICENSED OPERATOR OR SOIL EVALUATOR AS FUNCTIONING PROPERLY AND NOT REQUIRING PUMP-OUT AT LEAST ONCE EVERY FIVE YEARS. NEW CONSTRUCTION SHALL PROVIDE A RESERVE SEWAGE DISPOSAL SITE WITH A CAPACITY AT LEAST EQUAL TO THAT OF THE PRIMARY SITE.

Appendix C. Water Quality Impact Assessment Data Sheet

Section 1: Applicant and Property Information

Project Address

Date:

Applicant Name:

Applicant Contact Information (phone and email):

Owner ☐ Engineer ☐ Contractor ☐ Agent

Owner Name and Contact information (if different):

Date lot(s) or parcel(s) recorded?

The Property Sales History available via [Arlington Property Search](#) can be used to identify this information.
☐ Prior to October 1, 1989
☐ On or following October 1, 1989. Date of recordation of the parcel(s) _____
☐ Currently under subdivision. Please provide additional information in Section 5: Plan and Water Quality Narrative

Section 2: Activity Information

Activity type (check all that apply):

☐ New construction
☐ Residential redevelopment
☐ Commercial redevelopment
☐ Residential addition or attached deck
☐ Detached residential structure (i.e. garage/shed)
☐ Retaining wall/fence
☐ Patio, terrace, paved firepit or walkway
☐ Driveway

☐ Tree removal only
☐ Buffer management/Vista/Stream access
☐ Shoreline stabilization/Adaptation measure
☐ Public redevelopment/park
☐ Public trail/passive recreation
☐ Public utility/transportation project
☐ Public outfall, stream or culvert project
☐ Other (please describe):

The activity proposed:

☐ Does not require a Land Disturbing Activity (LDA) permit for disturbance (disturbance is less than 2500 square feet).

If an LDA is not required, provide a copy of a current property plat showing the existing structures, proposed construction, distance from stream and RPA boundary (See Section 5).

☐ Is fully located outside the RPA and does not result in any disturbance or impacts in the RPA. Please provide a plat (see Section 5). Completion of Sections 3, 4, and the Section 5 narrative are not required.
☐ Does not increase RPA encroachment or impervious cover in the RPA or otherwise constitutes allowable development under [§ 61-7 A](#)
☐ Adds impervious cover or increases encroachment in the Resource Protection Area. An exception is required. [Provide Appendix D](#).
☐ Is a public utility, transportation, living shoreline or passive recreation project requesting an exemption under [§ 61-15](#). Please provide the information for a Minor WQIA

Will the existing principal structure remain intact? ☐ Yes ☐ No ☐ N/A
Will the project activity occur within 50 feet of the protected stream or wetland OR disturb 5000 square feet or greater in the RPA? ☐ Yes. Please provide the information for a Major WQIA ☐ No. A Minor WQIA is required.

Section 3: Project Impacts Complete all fields.

Area of Disturbance

Sq. ft

Total area of land disturbed by the proposed project (square feet)

Includes building footprint, plus a 10 foot buffer. Also includes all areas of soil disturbance, access route, stockpiling areas, etc.

Area of disturbance within RPA (square feet)

Area of land within the RPA that will be disturbed. Includes removal of trees ≥ 3" in diameter, measured at 4.5 feet from the ground.

Impervious Cover and Encroachment

Existing

Proposed

Distance from stream (ft)

Left third of parcel or site

Middle third of parcel or site

Right third of parcel or site

Developed area in RPA (sf)

The existing developed area includes the **area** (in square feet) of any structures, patios, decks, walkways, and lawn. The proposed area includes the existing area plus any new area.

Impervious area in RPA (sf)

Identify the existing **area** (in square feet) of pavement, rooftop and other impervious surfaces and the proposed total impervious area in the RPA following the activity's completion.

Impact to RPA Trees

Proposed Tree Removals

Proposed Tree Planting

Number of RPA trees

Identify the number of trees in the RPA that will be removed and the number of trees proposed to be planted in the RPA. [Tree replacement calculations](#) and a [recommended tree list](#) are available on the County web site. Overstory = Shade trees; Understory = Small trees

Mature Trees: _____
Total: _____

Overstory: _____
Understory: _____

ADDITIONAL RPA APPLICABLE SHEETS	
WQIA ELEMENT	SHEET NUMBER
EROSION AND SEDIMENT CONTROL PLAN	X
LANDSCAPE PLAN	X

Section 4: Resiliency Assessment

Please refer to the interactive RPAs and [Climate Resiliency map](#) to complete this section. Apply a 30-year timeframe.

Completion of additional site-specific Resiliency Assessment (located at Appendix H) is (select all that apply):
☐ **Not Required.** The property is not subject to any potential impacts identified in the RPAs and Climate Resiliency map.
☐ **Not Required.** The project is exempt from the requirements of Arlington County Code Chapter 61.
☐ **Required.** The property is within 15 feet (measured landward horizontally) of a Special Flood Hazard Area. This project must demonstrate compliance with the County's Floodplain Management requirements (Chapter 4B Arlington County Code).
☐ **Required.** Potential impacts to the project site were identified via the RPAs and Climate Resiliency map.

Section 5: Plan and Water Quality Narrative

Applications that do not include a plat or plan AND a narrative will be required to resubmit.

Please provide the required minor WQIA information ([§ 61-12](#)) at a minimum:
☐ A plat or plan depicting the existing and proposed condition on the parcel(s). Include 1) the delineated RPA boundary, 2) areas of existing and proposed impervious cover; 3) RPA encroachment measurements 4) the location of existing trees 5) other existing and proposed land covers including vegetation areas/turf, and 6) identify and quantify provided mitigation, including planting and invasive plant control areas. See the [RPA template for LDA submissions](#) and [Stormwater Guidance Manual Chapter 4](#) for additional guidance.
☐ A narrative. Include a brief project description and identify how the project protects water quality and improves the RPA buffer 1) through its design by limiting impervious cover, encroachment and disturbance in the RPA 2) during construction through specific tree and root zone protection, tree conservation and erosion and sediment control measures and 3) over the long-term via mitigation measures (see [Stormwater Guidance Manual Chapter 4](#)).

Attach/reference additional sheets as needed.

(INSERT NORTH ARROW)

RPA IMPACTS LEGEND	
	PROPERTY LINE
	LIMITS OF DISTURBANCE
	EXISTING CONTOUR
	PROPOSED CONTOUR
	RESOURCE PROTECTION AREA
	WETLANDS
	STREAM
	EXISTING RPA IMPERVIOUS AREA
	PROPOSED RPA IMPERVIOUS AREA
	AREA WITH SLOPE > 25%
	AREA WITH SLOPE > 15%
	EXISTING TREE ≥ 3" DIAM. WITHIN RPA
	PROPOSED TREE ≥ 3" DIAM. WITHIN RPA
	EXISTING MATURE TREE
	MATURE TREE TO BE REMOVED

IMPERVIOUS AREA COMPUTATIONS	
RPA CATEGORY	EXISTING (SF)
HOUSE	525
ADDITION	
WALKWAY	95.71
DRIVEWAY	238.75
PATIO	
RETAINING WALL	
SHED	
GARAGE	
PORCH	
TOTAL:	859.46

(INSERT NORTH ARROW)

IMPERVIOUS AREA COMPUTATIONS	
RPA CATEGORY	PROPOSED (SF)
HOUSE	525
ADDITION	225
WALKWAY	
DRIVEWAY	238.75
PATIO	62.50
RETAINING WALL	
SHED	
GARAGE	
PORCH	
TOTAL:	1051.25

RESOURCE PROTECTION AREA - WATER
QUALITY IMPACT ASSESSMENT

RPA1

RPA MITIGATION NARRATIVE

INVASIVE PLANT MANAGEMENT

1. PRIOR TO REMOVAL, AUTHORIZATION TO PROCEED MUST BE OBTAINED AT THE STORMWATER MANAGEMENT PRE-INSTALLATION MEETING (IF OTHER BMPs WILL BE INSTALLED) OR FROM THE STORMWATER INSPECTOR.
2. INVASIVE SPECIES CONTROL WILL BE CARRIED OUT BY NON-CHEMICAL MEANS UNLESS OTHERWISE AUTHORIZED ON THIS PLAN.
3. ALL APPLICATION OF HERBICIDES MUST BE MADE BY A VIRGINIA CERTIFIED PESTICIDE APPLICATOR OR REGISTERED TECHNICIAN AND HERBICIDES MUST BE REGISTERED FOR USE IN AQUATIC ENVIRONMENTS.
4. LIST TARGET SPECIES AND IDENTIFY THE INTENDED CONTROL METHOD BELOW:

ENGLISH IVY WILL BE REMOVED FROM TREES MANUALLY [PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY OR LDA CLOSURE]. TO REMOVE VINES FROM TREES, A "WINDOW" WILL BE CUT IN CLIMBING VINES AT WAIST HEIGHT. IVY BELOW THE WINDOW WILL BE PULLED CAREFULLY AWAY FROM THE TRUNK BY HAND TO LIMIT DAMAGE TO THE BARK. IVY WILL BE REMOVED A DISTANCE OF 2 FEET FROM AND ENCIRCLING THE TREE TO LIMIT RE-GROWTH. VINES ABOVE THE "WINDOW" WILL BE ALLOWED TO DIE AND DRY OUT, AND WILL ONLY BE REMOVED WHERE THEY IMPEDE WORK ON THE SITE. IVY WILL BE BAGGED AND REMOVED FROM THE SITE (EXAMPLE 1).

BAMBOO WILL BE CUT TO THE GROUND [PRIOR TO ISSUANCE OF THE CERTIFICATE OF OCCUPANCY OR LDA CLOSURE]. THIS WILL BE REPEATED AS NEW SHOOTS REACH APPROXIMATELY 2 FEET IN HEIGHT. SHOOTS MAY BE SPRAYED WITH GLYPHOSATE AT 5% CONCENTRATION WITH A NON-IONIC SURFACTANT IF NEEDED TO PROVIDE THE NECESSARY CONTROL. DEBRIS WILL BE BAGGED AND REMOVED FROM THE SITE. NO RE-GROWTH SHOULD BE VISIBLE AT FINAL INSPECTION. (EXAMPLE 2)

5. CONTACT RPAREVIEW@ARLINGTONVA.US TO REQUEST A SITE INSPECTION AND TO SUBMIT "AS-BUILT" DOCUMENTATION.

RIPARIAN BUFFER PLANTING

1. PRIOR TO PLANTING, AUTHORIZATION TO PROCEED SHALL BE OBTAINED AT THE STORMWATER MANAGEMENT PRE-INSTALLATION CONFERENCE (IF OTHER BMPs WILL BE INSTALLED) OR VIA A PRE-PLANTING CONSULTATION WITH THE RPA REVIEWER (EMAIL RPAREVIEW@ARLINGTONVA.US).
2. BARE SOIL WILL BE COVERED WITH LEAF MULCH (PREFERRED), OR UN-DYED DOUBLE-SHREDDED HARDWOOD MULCH.
3. PLANT SUBSTITUTIONS MAY REQUIRE A PLAN REVISION. CONTACT RPAREVIEW@ARLINGTONVA.US TO APPROVE PLANT SUBSTITUTIONS
4. CONTACT RPAREVIEW@ARLINGTONVA.US TO REQUEST A SITE INSPECTION AND TO SUBMIT "AS-BUILT" DOCUMENTATION

AS-BUILT REQUIREMENTS - RPA MITIGATION

INVASIVE PLANT MANAGEMENT - ENGLISH IVY ONLY

- BEFORE, DURING AND AFTER PHOTOS OF REMOVAL
- CERTIFICATION STATEMENT SIGNED BY THE PROJECT ENGINEER OR PROPERTY OWNER THAT:
 - IDENTIFIES THE SPECIES REMOVED
 - DOCUMENTS THE LABOR HOURS AND DATES FOR THE WORK (ATTACH RECEIPTS IF AVAILABLE)
 - CONTAINS A NO PESTICIDE-USE DECLARATION

INVASIVE PLANT MANAGEMENT - VINES ON TREES AND INVASIVE PLANT MANAGEMENT - GENERAL

- BEFORE, DURING AND AFTER PHOTOS OF REMOVAL
- CERTIFICATION STATEMENT SIGNED BY THE PROJECT'S LICENSED ARBORIST OR LANDSCAPE ARCHITECT (FOR PROJECTS REQUIRING A MAJOR WATER QUALITY IMPACT ASSESSMENT) OR THE PROJECT ENGINEER OR PROPERTY OWNER (FOR PROJECTS REQUIRING A MINOR WATER QUALITY IMPACT ASSESSMENT) THAT:
 - IDENTIFIES THE SPECIES REMOVED
 - DOCUMENTS THE LABOR HOURS AND DATES FOR THE WORK (ATTACH RECEIPTS IF AVAILABLE)
 - DOCUMENTS METHOD(S) OF REMOVAL
- DOCUMENTED AUTHORIZATION TO APPLY PESTICIDES (IF APPLICABLE) VIA SUBMISSION OF PROOF OF PESTICIDE APPLICATOR CERTIFICATION

RIPARIAN BUFFER PLANTING

- BEFORE, DURING AND AFTER PHOTOS OF PLANTINGS.
- PLANT RECEIPTS DOCUMENTING THE SCIENTIFIC NAME AND QUANTITY OF ALL PLANTS INSTALLED.
- CERTIFICATION STATEMENT FROM PROJECT'S LICENSED LANDSCAPE ARCHITECT OR ARBORIST INDICATING THAT PLANTINGS HAVE BEEN INSTALLED IN ACCORDANCE WITH THE PROPOSED PLAN (FOR RPA BUFFER PLANTINGS LESS THAN 1,000 SF).
- AS-BUILT PLANTING PLAN SEALED BY THE LANDSCAPE ARCHITECT OR ARBORIST (FOR RPA BUFFER PLANTINGS OF 1,000 SF OR GREATER).

DRY WELLS AND LEVEL SPREADERS

- IN ACCORDANCE WITH STORMWATER REQUIREMENTS.

RPA MAINTENANCE SCHEDULES

Select the schedule(s) appropriate for the proposed project.

MAINTENANCE SCHEDULE: INVASIVE PLANT MANAGEMENT – GENERAL (RPA)

- Includes all plants on the Non-Native Invasive Plants of Arlington County, Virginia list (<https://www.arlingtonva.us/files/sharedassets/public/v/3/environment/documents/nonnative-invasive-species-arlington.pdf>)
- For assistance with plant identification, contact rpareview@arlingtonva.us

Maintenance Task	Frequency
Inspect management area for target non-native invasive species. If target species are not identified, inspect management area for any species listed on the current Non-Native Invasive Plants of Arlington County list.	Annually
Inspect management area for English ivy and other invasive vines on trees	Annually
Inspect management area for non-native invasive plants in the ground layer	Annually
Remove English ivy and other invasive vines from trees	As needed
Remove English ivy and other non-native invasive plants in the ground layer	As needed
Document removal of non-native invasive vines, shrubs and perennials	Annually
Document removal of English ivy and other non-native invasive vines, shrubs, and perennials from ground level	Annually

MAINTENANCE SCHEDULE: INVASIVE PLANT MANAGEMENT – VINES ON TREES (RPA)

Maintenance Task	Frequency
Inspect management area for English ivy and other invasive vines on trees Note: Not all climbing vines are non-native invasive plants. See the County's invasive plant list - https://www.arlingtonva.us/files/sharedassets/public/v/3/environment/documents/nonnative-invasive-species-arlington.pdf	Annually
Remove invasive vines such as English ivy, Japanese/Chinese wisteria, Asian bittersweet, Japanese honeysuckle, etc. from trees	As needed
Photo document removal of vines from trees	Annually

MAINTENANCE SCHEDULE: INVASIVE PLANT MANAGEMENT – ENGLISH IVY (RPA)

Maintenance Task	Frequency
Inspect management area for English ivy on trees and on the ground	Annually
Remove English ivy from trees	As needed
Remove English ivy on the ground level	As needed
Document removal of English ivy	Annually

MAINTENANCE SCHEDULE: RIPARIAN BUFFER PLANTING (RPA)

Maintenance Task	Frequency
Inspect to confirm planted trees and shrubs are all present per the planting plan and in good health	Annually
Replace missing, dead, or dying trees and shrubs per planting plan	As needed
Document the number and type of tree and shrub replacements	As needed
Remove any non-native vines from trees and shrubs.	As needed.
Water trees and shrubs during periods with less than 1 inch precipitation/week (Years 1 & 2); subsequently during drought conditions	As needed
Deer protection is present on trees and in good condition. Remove once trees reach 2" diameter or if their growth is compromised (if required)	Annually
Inspect planted perennials to ensure 80% coverage and to ensure plants are in good condition	Annually
Replant perennials to achieve 80% coverage	As needed
Document the number and type of perennials and groundcovers planted	As needed
Remove non-native invasive plants and other weeds.	As needed.
Water perennials during period with less than 1 inch precipitation/week (Year 1), subsequently during drought conditions	As needed
Cover bare soil with leaf mulch or undyed double-shredded hardwood mulch	As needed

SEE LINK BELOW AND INCLUDE MOST APPROPRIATE MAINTENANCE SCHEDULE FOR SITE SPECIFIC MITIGATION:
<https://www.arlingtonva.us/Government/Programs/Building/Codes-Ordinances/Chesapeake-Bay#section-6>

RPA VEGETATION PLAN LEGEND

	PROPERTY LINE
	LIMITS OF DISTURBANCE
	EXISTING CONTOUR
	PROPOSED CONTOUR
	RESOURCE PROTECTION AREA
	WETLANDS
	STREAM
	EXISTING RPA IMPERVIOUS AREA
	PROPOSED RPA IMPERVIOUS AREA
	BUFFER PLANTING AREA
	INVASIVE PLANT CONTROL AREA
	RPA SEED MIX, GRASSES, PERENNIALS
	EXISTING TREE ≥ 3" DIAM. WITHIN RPA
	PROPOSED TREE ≥ 3" DIAM. WITHIN RPA
	PROPOSED SHRUBS
	EXISTING MATURE TREE
	MATURE TREE TO BE REMOVED

SEE RPA WEBSITE FOR TEMPLATE PLANTING PLANS:
<https://www.arlingtonva.us/Government/Programs/Building/Codes-Ordinances/Chesapeake-Bay#section-6>

PROPOSED RPA VEGETATION PLAN

SCALE: 1" = 10'

RIPARIAN BUFFER: PLANTING SCHEDULE

KEY	BOTANICAL NAME	COMMON NAME	SIZE	SPACING	QUANTITY	MATURE SIZE (WIDTH)	COVER (MATURE SIZE / 2 x 3.14 ² x QUANTITY)
TREES							
						N/A	N/A
						N/A	N/A
SHRUBS & VINES							
PERENNIALS & GROUNDCOVERS							

*MITIGATION WITH A POST-CONSTRUCTION MAINTENANCE AND INSPECTION REQUIREMENT MUST BE MAINTAINED PER THE SCHEDULE ON THIS SHEET IN PERPETUITY IN ACCORDANCE WITH THE STORMWATER MAINTENANCE AND MONITORING AGREEMENT INCLUDED IN THESE PLANS.

RESOURCE PROTECTION AREA
VEGETATION PLAN

EXCEPTION REQUEST

Appendix D. Chesapeake Bay Preservation Ordinance Review Committee (CBORC) Exception Request -

Requests for exceptions to the Resource Protection Area (RPA) requirements submitted to [CBORC](#) require a Public Hearing. Please complete all sections.

Part A - Description of Exception Request

Property information

Disturbed area in RPA (sq ft) =
Impervious area within RPA (sq ft) =
Brief description of Project and RPA encroachment:
Please list any prior projects requiring RPA permitting, including the date work was completed. 1.

Type of Exception

Check all that apply: <input type="checkbox"/> Encroaches into the area within 50 feet of the stream or waterbody <input type="checkbox"/> Accessory structure within the RPA <input type="checkbox"/> New principal structure in the RPA not eligible for administrative approval <input type="checkbox"/> The project is within resilience area shown in climate resilience map <input type="checkbox"/> Other:
Explain the nature of the requested exception:

Part B – Submission Checklist

- ☐ WQIA (Water Quality Impact Assessment) Form and Plan set including Riparian buffer planting.
- ☐ Photographs of the property showing existing structures, terrain, and vegetation.
- ☐ A statement of justification which addresses how the proposed development complies with the factors set forth in Part C below
- ☐ Notification to property owners, with email or mail addresses. Include all properties abutting, immediately across the street from and within 500 feet of the subject property. Homeowners, civic association and neighborhood conservation representative notification letter. (Notification only after WQIA Submission to RPA staff)
- ☐ Certified mail return receipts for mailed notifications.

Revised July 1, 2025

Part C - Statement of Justification checklist (Complete each section or attach a narrative that addresses each of the criteria below)

<input type="checkbox"/> The requested exception to the criteria is the minimum necessary to afford relief.
<input type="checkbox"/> Granting the exception will not confer upon the applicant any special privileges that are denied by Chesapeake Bay Preservation Ordinance to other property owners who are subject to its provisions and who are similarly situated.
<input type="checkbox"/> The exception is in harmony with the purpose and intent of the Chesapeake Bay Preservation Ordinance and is not of substantial detriment to water quality.
<input type="checkbox"/> The exception request is not based upon conditions or circumstances that are self-created or self-imposed.
<input type="checkbox"/> Reasonable and appropriate conditions are imposed, as warranted, that will prevent the allowed activity from causing a degradation of water quality; and,
<input type="checkbox"/> Other findings, as appropriate and required by CBORC or the Director (if applicable).

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Appendix H: Resiliency Assessment Continued	
Using the RPAs and Climate Resiliency map and applying a 30-year timeframe, check any of the following that were identified on the property ("Potential Impacts"):	
<div><input type="checkbox"/> Flooding Potential Impacts</div> <div><input type="checkbox"/> Sea Level Rise Potential Impacts</div> <div><input type="checkbox"/> Storm Surge Potential Impacts</div>	
Section 1: Flooding	
If Flooding Potential Impacts were identified:	
(a) Include on an attached plan or plat:	
(1) The extent of the Special Hazard Flood Area Zones on the parcel(s), as derived from the FEMA Flood Insurance Rate Maps .	
(2) The 15-foot landward horizontal setback from the base flood elevation boundary.	
(b) The project is consistent with the requirements of Arlington County Code Chapter 48 (Floodplain Management) because (select all that apply):	
<div><input type="checkbox"/> The improvements proposed are set back 15 feet landward horizontally from the base flood elevation boundary. If this box is checked and no other climate factors were identified for this project, do not fill out the remainder of this Resiliency Assessment (Sections 2-5).</div> <div><input type="checkbox"/> The proposed project is a modification, alteration, repair, reconstruction or improvement of any kind to a structure and/or use valued at less than 50 percent of the market value of the existing structure and/or use on the parcel. If this option is selected, additional structural or vegetative mitigation may be required.</div> <div><input type="checkbox"/> The project will expand or enlarge an existing structure but will not increase the Base Flood Elevation as demonstrated through hydrologic and hydraulic analyses.</div> <div><input type="checkbox"/> The proposed development has been reviewed and determined to be consistent with Chapter 48 by the County's Floodplain Manager or designee (attach approval).</div>	
Section 2: Sea-level Rise	
If Sea-Level Rise Potential Impacts were identified:	
(a) Attach a plan or plat showing the forecasted inundation area with relevant water depths from the AdaptVA website . Use a 30 year minimum timeframe.	
(b) Provide the following information:	
(1) Inundation area	(sf)
(2) Maximum water depth on the property.	(ft)

WETLANDS PERMITS

(3) Extent of inland shoreline migration	(ft)
(4) Is sea-level rise projected to directly impact any proposed structure? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Section 3: Storm Surge	
If Storm Surge Potential Impacts were identified:	
(a) Attach a plan or plat showing the forecasted storm surge inundation area from the AdaptVA website with relevant water depths. Use a Category 3 storm.	
(b) Provide the following information:	
(1) Inundation area	(sf)
(2) Maximum storm surge water depth on the parcel	(ft)
(3) Extent of inland inundation	(ft)
(4) Is storm surge projected to impact any proposed structure? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Section 4: Assess Potential Impacts	
Attach a narrative assessing all identified Potential Impacts in light of:	
(a) The proposed land development on buffer function including loss of riparian buffer vegetation and vegetation migration, including analysis quantifying and describing the impact of sea-level rise on the riparian buffer and coastal wetlands;	
(b) Water migration;	
(c) As well as the potential impacts resulting in additional future land disturbance or development in the Resource Protection Area connected to the proposed land development. Include analysis that:	
(1) Quantifies and describes the impact of sea-level rise and storm surge to proposed structures; and	
(2) Addresses potential impacts to adjacent properties.	
Section 5: Identify Conditions, Alterations and Adaptation Measures	
Identify in the attached plan and narrative::	
(a) Conditions or alterations for the proposed land development to address these Potential Impacts as necessary and appropriate based on the site conditions.	

(1) Factors to consider include, whether the parcel is located within an intensely-developed area and existing site conditions such as topography and vegetation; the nature, type, and size of the proposed project; the proposed placement of structures on the site relative to required setbacks, the potential movement of a structure landward (out of the RPA), the extent and depth of predicted impacts, and the potential to minimize future land disturbance by avoiding impacts. Some of the listed factors may be able to be modified or altered in order to avoid or mitigate impacts to the proposed project.
(A) Identify opportunities for minimizing any proposed encroachments into the RPA, land disturbance and impervious surfaces, while preserving the existing riparian buffer.
(B) Identify areas on site available for modifying the project as proposed, such as moving structures and impervious surfaces out of the RPA or further away from RPA features, reestablishing riparian buffers, etc.
(C) Identify possible reductions in setbacks that may enable a reduction of the RPA encroachment by structures.
(D) Identify possible site or structural enhancements or alterations and adaptation measures where impacts intersect with proposed development, particularly structures.
(E) Describe restrictions to moving structures out of inundation areas, if any.
(F) Discuss if additional structures or additional future development is anticipated for the property.
(2) If the property is within 15 feet (measured landward horizontally) of a Special Flood Hazard Area, describe any structural alternations, site or structural improvements, or design elements that enable the project to achieve compliance with Arlington County Code Chapter 48.
(b) Adaptation measures for the proposed land development to address these Potential Impacts as necessary and appropriate based on the site conditions.
(1) Please refer to County Code Chapter 61 and Stormwater Guidance Manual Chapter 4 for adaptation measure conditions, particularly those concerning the use of fill as a component of adaptation measures.
(2) Specifically identify how adaptation measures minimize the necessity for future land disturbance.
County Response
Based on the assessment submitted to the County pursuant to this Appendix H, the County shall, as necessary and appropriate, require conditions, alterations, or the installation of adaptation measures as part of the proposed land development consistent with the requirements of the Chesapeake Bay Preservation Act, Virginia Code § 62.1-44.15:67 et seq.