



Virginia Department of Conservation & Recreation

State Parks • Soil & Water Conservation • Natural Heritage  
Chesapeake Bay Local Assistance • Land Conservation  
Outdoor Recreation Planning • Dam Safety & Floodplains

# CHECKLIST FOR ADVISORY REVIEW OF LOCAL ORDINANCES IN NON-TIDAL CHESAPEAKE BAY LOCALITIES

LOCALITY: \_\_\_\_\_

DATE OF REVIEW: \_\_\_\_\_

REVIEWER: \_\_\_\_\_



**SUPPLEMENTAL REVIEW INFORMATION**

**LOCAL DOCUMENTS REVIEWED: \_\_\_\_\_**

**TRACKING SHEET:**

<b>Part 1 – Minimize Land Disturbance:</b>	<b>18 questions</b>
1A – Open Space Requirements:	_____
1B – Clearing and Grading Requirements:	_____
1C – Utility and Easement Requirements:	_____
1D – LID/ Better Site Design Concepts:	_____
1E – Other standards	_____
<b>Part 2 – Preserve Indigenous Vegetation:</b>	<b>18 questions</b>
2A – Sensitive Land Protection/Preservation:	_____
2B – Vegetation and Tree Protection Requirements:	_____
2C – LID/ Better Site Design Concepts:	_____
2D – Other standards	_____
<b>Part 3 – Minimize Impervious Cover:</b>	<b>25 questions</b>
3A – Parking Requirements:	_____
3B – LID/ Better Site Design Concepts:	_____
3C – Redevelopment and Infill Development Concepts:	_____
3D – Road Design Requirements:	_____
3E – Pedestrian Pathways and Driveways:	_____
3F – Other standards	_____
<b>Part 4 – General Water Quality Protection:</b>	<b>7 questions</b>
	_____
<b>Part 5 – Promoting Low-Impact-Development:</b>	<b>11 questions</b>
	_____

## CHECKLIST DESCRIPTION AND PURPOSE

This ordinance review tool was adapted from the Virginia Department of Conservation and Recreation (DCR) “Checklist for Advisory Review of Local Ordinances,” which was developed as part of the implementation of the Chesapeake Bay Preservation Act (CBPA). DCR uses their checklist in the 84 jurisdictions within Virginia’s Chesapeake Bay tidal areas. The non-tidal jurisdictions are not covered under the CBPA, and thus do not participate in the DCR review. This tool is intended to be used in all of the non-tidal Bay localities in Virginia.

The DCR Checklist was modified by staff at the James River Association, Friends of the Rappahannock, and Potomac Conservancy (the “Project Team”) as part of a nutrient reduction project funded by the National Fish and Wildlife Foundation. This amended tool removes the emphasis on the CBPA, and instead focuses on the water quality principles and practices that non-tidal localities are implementing in their codes and ordinances. Some questions were modified to focus directly on the water quality intent; other questions were omitted if they only would apply in CBPA localities (omitted questions are shown with the text struck out, and should not be reviewed). Question numbering was maintained to allow for comparison with the DCR checklist. Additional questions are appended to capture issues not included in the CBPA.



### HOW TO USE THIS CHECKLIST

This tool is organized into topic areas, as follows: 1) Minimizing land disturbance; 2) Preserving indigenous vegetation; 3) Minimizing impervious cover; 4) General water quality protection; and 5) Promoting Low-Impact-Development (LID). The questions in the first three parts are focused specifically on the section topic (i.e. land disturbance vs. indigenous vegetation vs. impervious cover), and similar questions in different sections should be answered with the target topic in mind. Part 4 includes practices and programs that may not fit neatly into one of the first three sections, but which can be important to protecting and improving water quality. Sections one through four have a catch-all question at the end to allow for responses that were not asked in detail in a prior question. Part 5 includes the questions added by the Project Team which focus on important low-impact development considerations not raised elsewhere. Questions in the different sections may appear similar, but will have a different emphasis in each section. Look to the *italicized terms* for some questions to determine the focal point.

Many questions ask about ordinances that “allow”, “encourage”, or “incentivize” a particular water quality practice. In all such questions, the intent is on practices that actually occur, not simply those that are theoretically possible but highly unlikely.

Graduate students from three universities (University of Virginia, Virginia Commonwealth University and George Mason University) will be trained in the use of this assessment tool, and will provide responses to the questions with the voluntary assistance of staff from each locality. The student(s) ideally will work closely with the locality staff since the staff’s knowledge is key to ensuring the Checklist is completed with the best available information. The student(s) and staff can form an assessment team to review the local government ordinances, and other documents that have been adopted by the local governing body, to determine which of the measures within the Checklist are included in local ordinances. Ordinances typically can be

located through the locality's website or other online services. If a locality chooses to not voluntarily assist with this assessment tool, the student(s) still can proceed with the ordinance review. Additionally, the student(s) should review all ordinance provisions even when directly provided by the locality staff to ensure accuracy.

Critical information needed for each question:

- (1) The name and citation for the ordinance or other policy document. Follow the same notation that each locality uses.
- (2) Provide the hyperlink to precisely where the ordinance citation is located on the web. (Most codes and ordinances are provided on the web; thus, it is possible to provide the hyperlink. This will allow the Project Team and DCR to quickly find the appropriate language.)
- (3) Extensive notes when possible for each question regarding such factors as:
  - a. Paraphrasing of the relevant ordinance provision
  - b. If no ordinance exists, does the locality still conduct the practice operationally? (this can be assessed by interviewing the locality staff)
  - c. If no ordinance exists, are there related ordinances that partially address the question?

**PART 1: MINIMIZE LAND DISTURBANCE – 18 QUESTIONS**

The minimization of land disturbance can be accomplished through the application of four general techniques included below as four sections. Each of these general techniques is presented below, with examples of more specific requirements that minimize land disturbance. Additionally, space has been provided for the locality to include other options not currently listed.

**Section 1A - Open Space Requirements – 3 questions**

What is the definition of “open space” used by the locality and where is this definition located?

Definition: \_\_\_\_\_

Ordinance name and citation: \_\_\_\_\_

1. Is there an ordinance provision, or other adopted document that requires a certain portion or percentage of *undisturbed* (i.e. natural, vegetated) open space as part of zoning district requirements?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document \_\_\_\_\_

Zoning Districts and required percentages: \_\_\_\_\_

Notes: \_\_\_\_\_

2. Is there a cluster ordinance, other ordinance provision, or other adopted document that allows flexibility for development intensity or density (through cluster developments, height flexibility, density bonus, etc.) *in exchange for* increased resource protection (open space, preservation of natural, undisturbed buffers, etc.)?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

3. Do open space or other requirements within an ordinance, or other adopted document, protect sensitive lands from disturbance?

- Wetlands Yes  No
- Steep slopes Yes  No
- Perennial stream banks Yes  No
- Intermittent streams Yes  No
- Highly erodible soils Yes  No
- Floodplains Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

**Section 1B - Clearing and Grading Requirements – 8 questions**

4. Is there an ordinance provision, or other adopted document, that requires that all clearing and grading plans or equivalent (including individual lots) specify limits of clearing *and* restricts clearing to the minimum necessary for the construction of the project?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

5. Is there an ordinance provision, or other adopted document, that authorizes staff to establish limits on clearing and grading?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

6. Is there an ordinance provision, or other adopted document, that includes a definition of “construction footprint” and limits clearing and grading to the construction footprint?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

*Example definition: Construction footprint means the area of all impervious surfaces, including but not limited to buildings, roads and drives, parking areas, sidewalks and the area necessary for construction of such improvements.*

7. Is there an ordinance provision, or other adopted document that requires sensitive features to be physically marked on-site prior to any clearing and/or grading and throughout the development process?

- Wetlands Yes  No
- Steep slopes Yes  No
- Perennial stream banks Yes  No
- Intermittent streams Yes  No
- Highly erodible soils Yes  No
- Floodplains Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

8. Is there an ordinance provision, or other adopted document that requires the limits of clearing and grading to be physically marked on-site?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

9. Is there an ordinance provision, or other adopted document, that requires documentation of the condition of sensitive features to be provided before and after development?

- Wetlands Yes  No
- Steep slopes Yes  No

- Perennial stream banks      Yes  No
- Intermittent streams      Yes  No
- Highly erodible soils      Yes  No
- Floodplains      Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

10. Is there an ordinance provision, or other adopted document, that prohibits clearing and grading on sensitive lands?

- Wetlands      Yes  No
- Steep slopes      Yes  No
- Perennial stream banks      Yes  No
- Intermittent streams      Yes  No
- Highly erodible soils      Yes  No
- Floodplains      Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Other lands: \_\_\_\_\_

Notes: \_\_\_\_\_

11. ~~Question Removed. Is there an ordinance provision that designates other sensitive lands, such as steep slopes, highly erodible soils, non-RPA nontidal wetlands, etc. as RPA features?~~

- ~~• Wetlands \_\_\_\_\_ Yes  No~~
- ~~• Steep slopes \_\_\_\_\_ Yes  No~~
- ~~• Intermittent streams \_\_\_\_\_ Yes  No~~
- ~~• Highly erodible soils \_\_\_\_\_ Yes  No~~
- ~~• Floodplains \_\_\_\_\_ Yes  No~~
- ~~• Other lands \_\_\_\_\_ Yes  No~~

~~Yes  No~~

~~Ordinance name and citation: \_\_\_\_\_~~

~~Other adopted document: \_\_\_\_\_~~

**Section 1C - Utility and Easement Requirements (Public and Private) – 3 questions**

*For the purposes of this checklist, public utilities mean those outlined under Section 9 VAC 10-20-150 B 2 of the Regulations: “Construction, installation and maintenance of water, sewer, natural gas, and underground telecommunications and cable television lines, owned, permitted or both by a local government or regional service authority...”*

12. Is there an ordinance provision, or other adopted document, that requires approval of utility installation plans, including temporary construction areas, prior to land disturbance?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

13. Is there an ordinance provision, or other adopted document, that requires a replanting plan, other than stabilization required for erosion and sediment control, when vegetation is removed for temporary construction easements?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

14. Is there an ordinance provision, or other adopted document, that allows or requires the placement of public utilities within the right-of-way for public or private roads or alleys, when present?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

**Section 1D - Low Impact Development /Better Site Design Concepts – 3 questions**

*For the purposes of this checklist, Low Impact Development (LID) includes those practices that combine hydrologically functional site designs with pollution prevention measures to compensate for land development impacts on hydrology and water quality.*

15. Does the locality provide incentives for retaining natural, undisturbed open space on a site? These incentives may include intensity or density bonuses, stormwater credit, etc.

- Wetlands Yes  No
- Perennial stream banks Yes  No
- Intermittent streams Yes  No
- Steep slopes Yes  No
- Highly erodible soils Yes  No
- Floodplains Yes  No
- Other lands: \_\_\_\_\_ Yes  No

Types of incentives provided: \_\_\_\_\_

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

16. Do local ordinance provisions, or other adopted documents, encourage the implementation of LID practices *that limit land disturbance*?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

17. Are there ordinance provisions or other adopted documents that require the incorporation of existing drainage ways and the integration of natural drainage patterns into site drainage plans?

Yes  No

Ordinance name and citation: \_\_\_\_\_



Other adopted document: \_\_\_\_\_  
Notes: \_\_\_\_\_

**Section 1E - Other Standards**

18. Are there other ordinance provisions, or other specific standards in other adopted documents that effectively limit land disturbance?  
Yes  No   
Ordinance names and citations: \_\_\_\_\_  
Other adopted document: \_\_\_\_\_  
Other standards: \_\_\_\_\_  
Notes: \_\_\_\_\_

**PART 2 - PRESERVE INDIGENOUS VEGETATION – 18 QUESTIONS**

*The preservation of indigenous vegetation can be accomplished through the application of three general techniques included below as three sections. Each of these general techniques is presented below, with examples of more specific requirements that minimize land disturbance. Additionally, space has been provided for the locality to include other options not currently listed.*

**Section 2A - Sensitive Land Protection/Preservation – 9 questions**

19. Is there an ordinance provision, or other adopted document, that requires conservation areas or corridors (i.e. greenways, green infrastructure corridors, green belts, etc.)?  
Yes  No   
Ordinance name and citation: \_\_\_\_\_  
Other adopted document: \_\_\_\_\_  
Notes: \_\_\_\_\_

20. Is there an ordinance provision, or other adopted document, that requires riparian vegetated buffers adjacent to water bodies or wetlands? If so, what is the minimum width of the buffer?
- Wetlands Yes  No
  - Perennial stream banks Yes  No
  - Intermittent streams Yes  No
  - Floodplains Yes  No
  - Other lands: \_\_\_\_\_ Yes  No

Ordinance name and citation: \_\_\_\_\_  
Other adopted document: \_\_\_\_\_  
Minimum buffer width: \_\_\_\_\_  
Notes: \_\_\_\_\_

21. Is there an ordinance provision, or other adopted document, that requires the permanent marking of the riparian vegetated buffer boundaries and if so, to which zoning districts does this apply?  
Yes  No   
Ordinance name and citation: \_\_\_\_\_  
Other adopted document: \_\_\_\_\_  
Zoning Districts: \_\_\_\_\_  
Notes: \_\_\_\_\_

22. ~~Question Removed. Is there an ordinance provision, or other adopted document, that requires a portion of open space, other than RPAs, to be left in a natural, vegetated condition?~~

~~Yes  No~~

~~Ordinance name and citation: \_\_\_\_\_~~

~~Other adopted document: \_\_\_\_\_~~

~~Percentage to be left natural: \_\_\_\_\_~~

23. Is there an ordinance provision, or other adopted document, that requires a building setback from sensitive area boundaries? Yes  No

- Wetlands Yes  No
- Perennial streams Yes  No
- Intermittent streams Yes  No
- Steep slopes Yes  No
- Highly erodible soils Yes  No
- Floodplains Yes  No
- Other lands: \_\_\_\_\_ Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Setback width: \_\_\_\_\_

Notes: \_\_\_\_\_

24. ~~Question Removed. Is there an ordinance provision, or other adopted document, that requires a building setback from other sensitive lands such as intermittent streams and non RPA nontidal wetlands?~~

~~Yes  No~~

~~Ordinance name and citation: \_\_\_\_\_~~

~~Other adopted document: \_\_\_\_\_~~

~~Setback width: \_\_\_\_\_~~

~~Sensitive lands protected: \_\_\_\_\_~~

25. Is there an ordinance provision, or other adopted document, that requires the preservation of indigenous vegetation on sensitive lands?

- Steep slopes Yes  No
- Highly erodible soils Yes  No
- Floodplains Yes  No
- Wetlands Yes  No

Ordinance name and citation: \_\_\_\_\_

Land types protected: \_\_\_\_\_

Notes: \_\_\_\_\_

26. Is there an ordinance provision, or other adopted document, that limits removal of indigenous vegetation for temporary construction easements for utilities?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

27. Is there an ordinance provision, or other adopted document, that limits removal of indigenous vegetation for maintenance of utility easements?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

**Section 2B - Vegetation and Tree Protection Requirements – 7 questions**

28. Does the locality have a tree protection ordinance that protects existing trees (if permitted by state law)?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

29. Are there ordinance provisions, or other adopted documents, that include more specific tree preservation requirements for the preservation of stands of trees or contiguous wooded areas?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

30. Is there an ordinance provision, or other adopted document, that awards credit for maintaining indigenous vegetation when meeting landscaping requirements?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

31. Is there an ordinance provision, or other adopted document, that requires vegetated buffers adjacent to wetlands, streams or other water bodies be left undisturbed? If so, what is the minimum buffer width?

- Wetlands Yes  No
- Perennial streams Yes  No
- Intermittent streams Yes  No
- Floodplains Yes  No
- Other lands \_\_\_\_\_ Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Minimum buffer width: \_\_\_\_\_

Notes: \_\_\_\_\_

32. Is there an ordinance provision, or other adopted document, that includes clear language to protect woody vegetation outside of the construction footprint on individual lots or development sites?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

33. Is there an ordinance provision, or other adopted document, that requires a landscape maintenance agreement or similar mechanism to protect indigenous vegetation to be preserved on site throughout the construction process?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

34. Is there an ordinance provision, or other adopted document, that requires the preservation of indigenous vegetation in open space as a component of cluster development?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

### **Section 2C - Low Impact Development/Better Site Design Concepts – 1 question**

35. Is there an ordinance provision, or other adopted document, that requires a natural resources (or environmental) assessment as the initial part of the plan of development review process (i.e. pre-submission/ pre-application requirement for site plans, preliminary subdivision plats, etc.) and uses this information in the review of proposed projects to *limit the impacts on natural resources*?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

### **Section 2D - Other Standards**

36. Are there other ordinance provisions, or other specific standards in other adopted documents that effectively preserve indigenous vegetation?

Yes  No

Ordinance names and citations: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Other standards: \_\_\_\_\_

Notes: \_\_\_\_\_

### **PART 3 - MINIMIZE IMPERVIOUS COVER – 25 QUESTIONS**

*The minimization of impervious cover can be accomplished through the application of five general techniques included below as five sections. Each of these general techniques is presented below, with examples of more specific requirements that minimize land disturbance. Additionally, space has been provided for the locality to include other options not currently listed.*

### **Section 3A - Parking Requirements – 11 questions**

For the purposes of this evaluation, the Department considers gravel, asphalt, concrete, and other hard-packed surfaces to be impervious.

37. Is there an ordinance provision, or other adopted document, that sets *maximum* parking space requirements for some or all zoning districts?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Applicable zoning districts: \_\_\_\_\_

Notes: \_\_\_\_\_

38. Is there an ordinance provision, or other adopted document, that encourages or requires the use of alternative pervious surfaces for required parking and/or overflow parking areas?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

39. Are there ordinance provisions, or other adopted documents, that encourage shared and off-site parking in certain zoning districts, such as commercial and office districts?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Districts where allowed: \_\_\_\_\_

Notes: \_\_\_\_\_

40. Is there an ordinance provision, or other adopted document, that encourages or requires a percentage of parking spaces for compact cars or motorcycles?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Percentage of total: \_\_\_\_\_

Size of compact car spaces: \_\_\_\_\_

Notes: \_\_\_\_\_

41. Is there an ordinance provision, or other adopted document, that provides incentives for structural parking versus surface parking?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

42. Is there an ordinance provision, or other adopted document, that limits the width of travel lanes in parking areas to the following chart of minimum widths:

<i>Parking Angle</i>	<i>1-way</i>	<i>2-way</i>
<i>90 degree</i>	<i>20 feet</i>	<i>24 feet</i>
<i>60 degree</i>	<i>16 feet</i>	<i>24 feet</i>

45 degree                      14 feet                      24 feet  
30 degree                      12 feet                      24 feet  
Parallel                      12 feet                      24 feet

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

43. Is there an ordinance provision, or other adopted document, that facilitates single travel aisles versus double aisles in parking areas?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

44. Is there an ordinance provision, or other adopted document, that limits the size of parking stalls to 9' by 18', for all passenger vehicle parking stalls (non parallel parking) except handicapped stalls?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

45. Is there an ordinance provision, or other adopted document, that allows on-street parking to count towards required minimum parking spaces?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

46. Is there an ordinance provision, or other adopted document, that sets parking space minimums for commercial and office uses to 4 spaces (or lower) per 1,000 net square feet?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

47. Is there an ordinance provision, or other adopted document, that sets parking space minimums for churches, schools, theaters, etc. to 1 for every 4 fixed seats (or lower), or 10 spaces (or lower) per 1,000 net square feet?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

**Section 3B - Low Impact Development/Better Site Design Concepts – 3 questions**

*For the purpose of this checklist, “lot coverage” means all impervious surfaces, such as buildings, structures, decks, driveways, patios, parking lots and sidewalks, etc.*

48. Is there an ordinance provision, or other adopted document, that sets maximum impervious coverage or lot coverage for lots and/or parcels based on zoning districts?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Zoning districts and percentage of impervious coverage allowed: \_\_\_\_\_

Notes: \_\_\_\_\_

49. Is there an ordinance provision, or other adopted document, that encourages increased building height, floor area ratio, density, etc. to limit impervious coverage?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

50. Is there an ordinance provision, or other adopted document, that allows or encourages the use of vegetated bio-retention facilities to meet parking lot landscaping requirements?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

51. Is there an ordinance provision, or other adopted document, that promotes LID practices (e.g. green roof, bio-retention, etc.) for new development projects?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

**Section 3C - Redevelopment or Infill Development Concepts – 3 questions**

52. Are there ordinance provisions that promote infill or redevelopment through techniques such as tax and other local incentives, or through other methods?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Promotion methods: \_\_\_\_\_

Notes: \_\_\_\_\_

53. Is there an ordinance provision, or other adopted document, that promotes LID practices (e.g. green roof, bio-retention, etc.) in redevelopment projects in urban areas?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

54. Is there an ordinance provision, or other adopted document that reduces existing impervious cover on redevelopment projects?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

**Section 3D - Road Design Requirements – 4 questions**

55. Is there an ordinance provision, or other adopted document, that establishes the maximum radii of cul-de-sacs to be the same as, or lower than VDOT's minimum standards?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

56. Is there an ordinance provision, or other adopted document, that permits the pavement width of private roads to be narrower than VDOT standards?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

57. Is there an ordinance provision, or other adopted document, that limits turn lanes, road widths and other pavement requirements to the minimum VDOT standards?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

58. Is there an ordinance provision, or other adopted document that encourages permeable surfaces for required emergency vehicle access lanes (aside from the main roads)?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

**Section 3E - Pedestrian Pathways and Residential Driveways – 3 questions**

59. Is there an ordinance provision, or other adopted document, that encourages shared driveways?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

60. Is there an ordinance provision, or other adopted document, that limits sidewalks and other pedestrian pathways (in width and/or extent) to the minimum VDOT standards or other minimum required standards?

Yes  No



Ordinance name and citation: \_\_\_\_\_  
Other adopted document: \_\_\_\_\_  
Notes: \_\_\_\_\_

61. Is there an ordinance provision, or other adopted document, that encourages the use of alternative permeable materials for sidewalks and/or driveways?

Yes  No

Ordinance name and citation: \_\_\_\_\_  
Other adopted document: \_\_\_\_\_  
Notes: \_\_\_\_\_

### Section 3F - Other Standards

62. Are there other ordinance provisions, or other specific standards in other adopted documents that effectively limit impervious cover?

Yes  No

Ordinance names and citations: \_\_\_\_\_  
Other adopted document: \_\_\_\_\_  
Other standards: \_\_\_\_\_  
Notes: \_\_\_\_\_

### PART 4 - GENERAL WATER QUALITY PROTECTION PROVISIONS

*These questions relate to general water quality protection or improvement provisions or program elements.*

~~63. Question Removed. Does the locally designated CBPA or implementation of all performance criteria cover more than 50 percent of the locality's total land area or greater than 50 percent of the total land area in the Chesapeake Bay watershed?~~

~~Yes  No~~

~~Ordinance name and citation: \_\_\_\_\_  
Documentation: \_\_\_\_\_~~

~~64. Question Removed. Does the locally designated CBPA or implementation of all performance criteria include all land area within a locality or all land area within the Chesapeake Bay watershed?~~

~~Yes  No~~

~~Ordinance name and citation: \_\_\_\_\_~~

65. Is there an ordinance provision, or other adopted document, that provides incentives or requires low impact development (LID) techniques during the plan review process or mandated when technically feasible?

Yes  No

Ordinance name and citation: \_\_\_\_\_  
Other adopted document: \_\_\_\_\_  
Notes: \_\_\_\_\_

~~66. Question Removed. Is there an ordinance provision, or other adopted document, that requires conservation design to be undertaken before land disturbance is approved?~~

~~Yes  No~~

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

67. Is there an ordinance provision, or other adopted document, that permits the Purchase or Transfer of Development Rights?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

68. Is there an ordinance provision, or other adopted document, that provides incentives for or requires the use of vegetated BMPs or additional vegetation as part of traditional BMPs to enhance their pollutant removal function?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

69. Is there an ordinance provision, or other adopted document, that include other standards that provide for general water quality protection or improvement?

- Urban Development Areas Yes  No
- Mixed-Use/Transit-Oriented Zoning Districts Yes  No
- Green Infrastructure Plans Yes  No
- Source Water Protection Districts Yes  No
- Other: \_\_\_\_\_ Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

70. Is there an ordinance provision, or other adopted document, that includes standards to promote the re-vegetation of cleared areas for the purpose of general water quality protection or improvement?

Yes  No

Ordinance name and citation: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

**PART 5: PROMOTING LOW-IMPACT-DEVELOPMENT PROJECT PROVISIONS – 11 QUESTIONS**

*These questions were not part of the original DCR checklist and have been added by the Project Team as a part of the Promoting Low-Impact-Development Project.*

71. Is there an ordinance provision, or other adopted document, that requires compliance with erosion and sediment control standards when the proposed development disturbs less than 10,000 square feet?

Yes  No

Ordinance names and citations: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

72. Is there an ordinance provision, or other adopted document, that requires that all septic systems receive pump-outs once every five years?

Yes  No

Ordinance names and citations: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

73. Is there an ordinance provision, or other adopted document, that requires that all newly proposed septic systems provide a reserve sewage disposal site at least equal in size to the primary sewage disposal site?

Yes  No

Ordinance names and citations: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

74. Is there an ordinance provision, or other adopted document, that requires stormwater management for all new development and redevelopment?

Yes  No

Ordinance names and citations: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

75. Is there an ordinance or provision, or other adopted document, that establishes *numeric* criteria or a calculation methodology for the replication of pre-development site hydrology? (For example, requiring infiltration, evaporation, or reuse of the first 1” of rainfall, or a reference to a site-specific methodology such as the EPA LID Hydrology Manual)

Yes  No

Ordinance names and citations: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

76. Is there an ordinance provision, or other adopted document, that requires that in the event that the stormwater criteria cannot be achieved onsite, requires compensatory *off-site* runoff reduction, or in-lieu contributions?

Yes  No

Ordinance names and citations: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

77. Is there an ordinance provision, or other adopted document, that allows Low Impact Development practices on *all* types of development sites (residential, commercial, industrial)?

Yes  No

Ordinance names and citations: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

78. Is there an ordinance provision, or other adopted document, that encourages rainwater harvesting techniques during the development of stormwater management plans?

Yes  No

Ordinance names and citations: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

79. Is there an ordinance provision, or other adopted document, that requires maintenance agreements for all stormwater best management practices installed?

Yes  No

Ordinance names and citations: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

80. Is there an ordinance or provision, or other adopted document, which encourages the use of vegetated water-quality swales in lieu of curb and gutter, where feasible?

Yes  No

Ordinance names and citations: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_

81. Is there an ordinance provision, or other adopted document, requiring a *pre-application* review of site design and stormwater concepts, for the purpose of maximizing use of better site design and LID?

Yes  No

Ordinance names and citations: \_\_\_\_\_

Other adopted document: \_\_\_\_\_

Notes: \_\_\_\_\_