Design Review Checklist for Bioretention Cell Systems (Project Review)

Project Name:	
A	Date:
Submitted by (Designer):	Location:
	Project Review Questions
1. What is the total drainage area to the l	pioretention cell?
2. What is the impervious % of the water	shed area to the bioretention cell?
3. Total WQv to be treated by the biorete	ention cells?
4a. What is the required level ponding su	rface area of the bioretention cell?
4b. What is the provided level ponding su	Irface area of the bioretention cell?
	pth above the level surface of the bioretention cell? g. texture, degree of compaction, percolation potential, depth to water table, rt, as applicable.
7. Describe pretreatment techniques pro	vided (what practice(s) were used, how were things sized, etc.)
Sand Topsoil Compost 9. Quantities (please attach a copy of mai Sand Topsoil Compost Shredded hardwood mulch	roposed to be level from end to end and side to side?
12. What is the quantity and type of ston	e aggregate "base" materials (provide quantity calculations)?
13. What is the quantity and type of ston	e aggregate "choker" materials (provide quantity calculations)?
14. What are the sizes of the perforated s	subdrains?
15. Does the subdrain exceed the length	calculated in Step 10 of the ISWMM procedure for bioretention cells?

16. What is the minimum separation distance from the nearest building foundation?

17. Describe the outlet for the subdrains (connection to inlet, connection to manhole, surface outfall, etc.).

18. Describe the overflow conditions from the bioretention cells for larger storm events (surface inlet, multi-stage inlet structure, overflow spillway, etc. - provide descriptions).

19. Describe the types of plants to be installed within the bioretention cells (general types, spacing, etc.).

20. Describe the size of plants to be installed within the bioretention cells (sizes of pots, plugs, etc.).

21. Describe the quantity of plants to be installed (attach a plant list and planting plan).

22. If seeding is to be done within the bioretention cells, describe the type and quantity of seed along with the proposed application rate (attach a seed mix list).

23. Describe the erosion and sediment control measures to be employed around the cell and in the contributing drainage area.

24. Attach a map of the area expected to drain to the bioretention cells. The map should note all impervious surfaces and show the path of flow to each bioretention cell.

25. Attach a plan view, profile view and applicable cross-sections for proposed construction of the bioretention cells.

26. Has supporting information been provided as applicable (calculations, drainage maps, plans, etc.)?