

# Rain Gardens Design Review Check List



Applicant: \_\_\_\_\_ Date: \_\_\_\_\_

Submitted By: \_\_\_\_\_ Project Location: \_\_\_\_\_

- 1) Drainage Area (DA) \_\_\_\_\_ SF
- 2) How much of the DA is Impervious Surface \_\_\_\_\_% and \_\_\_\_\_ SF (if soil quality restoration is done or if soils investigations indicate green space is capable of absorbing the WQv the green space can be eliminated from the DA for WQv calculation. If neither applies, assume ½ of the green space is equivalent to impervious surface.)
- 3) Has Soil Quality Restoration been done on the green space in the DA? \_\_\_\_ Yes \_\_\_\_ No
- 4) If not, what was the size of the DA used to size the Rain Garden \_\_\_\_\_ SF
- 5) Discuss soils investigation findings (i.e. soil type, texture, structure, depth to water table, etc) \_\_\_\_\_  
\_\_\_\_\_
- 6) Percolation rate \_\_\_\_\_ inches/hour
- 7) Ponding Depth \_\_\_\_\_ inches
- 8) Factor used for sizing the rain garden \_\_\_\_\_ (from page 8 of the RG Manual).
- 9) Surface Area of the Rain Garden \_\_\_\_\_ SF
- 10) Describe any pretreatment techniques provided (what practice(s) were used, how were things sized, etc) \_\_\_\_\_  
\_\_\_\_\_
- 11) Does the Rain Garden have amended soil? \_\_\_\_ Yes \_\_\_\_ No
- 12) If yes, describe the depth and type of amendments:
  - a. \_\_\_\_\_ inches of sand
  - b. \_\_\_\_\_ inches of topsoil
  - c. \_\_\_\_\_ inches of compost
- 13) Quantities (please attach a copy of materials calculations):
  - a. sand \_\_\_\_\_ tons;
  - b. compost \_\_\_\_\_ tons or CY
  - c. shredded hardwood mulch \_\_\_\_\_ CF or \_\_\_\_\_ CY
- 14) Describe overflow (i.e. stand pipe, notch in berm, etc.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- 15) Spacing of plants \_\_\_\_\_
- 16) Size of plants \_\_\_\_\_
- 17) Quantity of plants \_\_\_\_\_ (Please attach a plant list and planting plan)

18) If seeding was done describe type and quantity of seed used and the rate that was applied (i.e lbs/ac or per 1,000 SF \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

19) Separation distance from nearest foundation \_\_\_\_\_. If less than 10 ft describe water proofing methods \_\_\_\_\_  
\_\_\_\_\_

20) Please describe the Erosion and Sediment Control measures employed if the drainage area is not stabilized or the rain garden is not planted and stabilized immediately:  
\_\_\_\_\_  
\_\_\_\_\_

21) Please attach a map of the drainage area.

22) Please attach a plan view, profile and cross sectional drawing

**FOR REVIEWERS USE ONLY**

Design appears to comply with the standards in the Iowa Stormwater Management Manual.

Design does not appear to comply with the standards in the Iowa Stormwater Management Manual.

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Name of Reviewer: \_\_\_\_\_ Date: \_\_\_\_\_

Signature: \_\_\_\_\_