Rain Gardens Design Review Check List

April 2015

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 REVIEWER 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: ____________________________________________________________________________