

Enhanced Rain Garden Design Review Check List



Applicant: _____ Date: _____

Submitted By: _____ Project Location: _____

- 1) Drainage Area _____ 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) Discuss soils investigation findings (i.e. texture, degree of compaction, percolation potentials, depth to water table, contamination, etc) _____

- 4) Ponding depth _____ inches.
- 5) Factor used to size the enhanced rain garden _____ (from page 8 of the RG Manual)
- 6) Surface Area of the enhanced rain garden _____ SF
- 7) Describe any pretreatment techniques provided (what practice(s) were used, how were things sized, etc) _____

- 8) Describe the amended soil media. (Soil blend specified in the Iowa Stormwater Management Manual is 75-85% washed concrete sand, 0-25% topsoil, 0-10% compost):
 - a. _____ % sand
 - b. _____ % topsoil
 - c. _____ % compost
- 9) Quantities (please attach a copy of materials calculations).
 - a. sand _____ tons;
 - b. topsoil _____ tons or CY;
 - c. compost _____ tons or CY
 - d. shredded hardwood mulch _____ CF or _____ CY
- 10) Depth of Rock Chamber _____ inches
- 11) Quantity & Type of Rock _____ tons of _____
- 12) Quantity and type of material used for a choker layer _____ tons of _____
- 13) Size of perforated drain tile _____ inch
- 14) Describe outlet for the perforated drain tile _____

- 15) Describe overflow (i.e. stand pipe, notch in berm, etc.) _____

16) Separation distance from nearest foundation _____. If less than 10 ft describe water proofing methods _____

17) Spacing of plants _____

18) Size of plants _____

19) Quantity of plants _____ (Please attach a plant list and planting)

20) 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 _____

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

22) Please attach a map of the drainage area.

23) 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: _____