

Rain Gardens Design Review Checklist

CITY OF WAUKEE

April 2016

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 organic material
- 13) Quantities (please attach a copy of materials calculations):
 - a. sand _____ tons;
 - b. organic material _____ 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: _____