



Planter Box Design Review Checklist

Applicant: _____ Date: _____

Submitted By: _____ Project Location: _____

- 1) Drainage Area _____ SF
- 2) How much of the DA is Impervious Surface _____% or _____ 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) WQv _____ CF (show calculations below)
 $WQv = (Rv) \times (P) \times (DA) \times 43,560 \text{ SF/ac} \times (1 \text{ ft}/12\text{in})$

4) Dimension of planter box _____ Ft L x _____ Ft W x _____ Ft D

5) Describe the growing (soil) media used:

- a. Sand _____ %
- b. Topsoil _____ %
- c. Compost _____ %

6) Ponding depth _____ inches

7) Depth of rock base _____ inches

8) Depth of shredded hardwood mulch _____ inches

9) Available storage in planter box _____ CF.

Show calculations using: $[(L \times W \times D \text{ of planting box} \times 0.30) + (L \times W \times D \text{ of ponding area})]$

10) Size of perforated drain tile _____ inch

11) Describe outlet for the perforated drain tile _____

12) Discuss soils investigation findings (i.e. texture, degree of compaction, percolation potentials, depth to water table, contamination, etc)

13) Describe overflow (i.e. stand pipe) _____

14) If the planter box does not manage the WQv as a stand-alone practice, describe how it is hydrologically connected to another practice (i.e. permeable pavement) to provide required storage for the WQv. _____

15) Describe the type of vegetation that will be installed or attach a plant list and planting plan _____

16) Please attach a map of the drainage area

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

FOR REVIEWERS USE ONLY

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

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

Comments: _____

Name _____ Date: _____

Signature: _____