**Planter Box Design Review Check List**

**October 2017**

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

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

1. Drainage Area \_\_\_\_\_\_\_\_\_\_\_\_\_SF
2. How much of the DA is Impervious Surface \_\_\_\_\_\_\_\_\_% or \_\_\_\_\_\_\_\_\_\_\_\_\_\_SF
3. WQv \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_CF (show calculations below) WQv = (Rv) x (P) x (DA) x 43,560 SF/ac x (1 ft/12in)
4. Dimension of planter box \_\_\_\_\_\_\_\_ Ft L x \_\_\_\_\_\_\_\_\_\_\_ Ft W x \_\_\_\_\_\_\_\_\_\_\_Ft D
5. Describe the growing (soil) media used:
   1. Sand \_\_\_\_\_\_\_\_ %
   2. Topsoil \_\_\_\_\_\_\_\_\_ %
   3. 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 x W x D of planting box x 0.30) + (L x W x D of ponding area)]

1. Size of perforated drain tile \_\_\_\_\_\_\_\_\_\_\_\_\_inch
2. Describe outlet for the perforated drain tile \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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

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1. Describe overflow (i.e. stand pipe) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. 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. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Describe the type of vegetation that will be installed or attach a plant list and planting plan \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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1. Please attach a map of the drainage area
2. 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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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