**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: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_