BIORETENTION/INFILTRATION BASIN CHECKLIST

LAND USE AND DRAINAGE AREA (check as applicable):	
	Extent of constructed impervious area and land use are consistent with the design *(*if the land use is inconsistent or the constructed impervious area exceeds the design see post construction modeling requirements below)*
	Watershed area to the facility is consistent with the design *(*if the constructed condition results in an increase in the facility's designed watershed area see post construction modeling requirements below)*
CONSTRUCTION METHODS AND MATERIALS (check as applicable):	
	Compaction and smearing of the soils beneath the floor and side slopes of the of the facility have been minimized
	Native soil type encountered along extents is as designed *(*if the native soil infiltration rates are less than designed see post construction modeling requirements below)*
	Engineered soil composition meets specification (attach load tickets)
	Storage layer and storage layer to native soil interface meet specifications
	Plant spacing and species verified
	Observation wells have been installed to the quantity and location in plan drawings
	Photo documentation of excavated basin, completed basin, and other relevant construction phases attached
SURFACE AREA AND AVAILABLE STORAGE (check as applicable):	
	Post construction contours of the stormwater facility, including any forebays, shown on record drawings
	Calculations of the facility's soil surface area
	Calculations of the facility's volume *(*if the constructed volume is less than designed see post construction modeling requirements below)*
INLET AND OUTLET STRUCTURES (check as applicable):	
	Diameter and material of all inlet and outlet pipes shown on record drawings
	Invert elevations of all inlet and outlet pipes shown on record drawings
	Dimensions and material of overflow and outfall structures shown on record drawings
	Elevations of top of banks and overflow berm shown on record drawings
	Drain tile installed at proper location
**Provide the following information if the constructed facility is not in accordance with plan drawings and design*	
	Perform modeling calculations for total suspended solids (New development: 80% reduction in TSS, Redevelopment: 40% reduction in TSS)
	Perform modeling calculations for peak discharge rates (1, 2, 10, and 100 year 24 hour storm events)
	Perform modeling calculations for infiltration (90% of predevelopment volume)
	Constructed design achieves the applicable performance standards

Created 6.21.17

Lyman F. Anderson Agriculture & Conservation Center
5201 Fen Oak Drive, Room 208, Madison, WI 53718; Phone: (608)224-3730 Fax: (608)224-3745
www. countyofdane.com/lwrd