Surface Sand Filters

Latin Name	Common Name	Submerged & Emergent (water depth h	Pond Edge & Permanent Water	Over sand	Lower slopes & bioretention base	Upper slopes	Height (feet)	Spacing (feet)	Seasonal Interest - Color and Months	J	F	M	A	M	J	J	A	S	O	N	D	Sun	Pt Sun	Pt Shade	Shade	Dry	Medium	Wet	Birds	Butterflies	Fall Color	Winter interest	Flood frequency tolerance	Flood height tolerance	Flood duration tolerance (days)	Salt tolerance	Aggressiveness	Silt tolerance
Grasses/Sedges																																							
Andropogon gerardii	Big bluestem			x		x	4-6	2-5	plum	x	x							x	x	x	x	x				x	x				x	x	M	12	2		M	
Andropogon ternarius	Splitbeard bluestem			x		x	1-2	1.5	silver	x	x							x	x	x	x	x				x			x		x	x	L				L	L
Andropogon virginica	Broomsedge			x		x	1-2	1.5	orange	x	x						x	x	x	x	x	x				x			x		x	x	L				M	L
Carex hirsutella*	Fuzzy wuzzy sedge			x	x		1	1	green/tan				x	x	x	x	x	x				x	x			x	x		x				L				L	
Juncus biflorus*	Bog rush			x	x		2	1	green/orange						x	x	x	x	x	x		x	x				x	x	x		x	x	M	6	2		L	
Panicum virgatum	Switchgrass			x	x	x	3-6	2.5	pink	x	x					x	x	x	x	x	x	x	x	x			x	x	x		x		M	12	2	M	M	M
Schizachyrium scoparium	Little bluestem			x		x	2-4	1.5	bronze	x	x						x	x	x	x	x	x				x	x		x		x	x	L			M	L	L
Forbs																																							
Amsonia illustris	Shining bluestar			x	x		2-3	2	lt. blue			x	x									x	x			x	x	x		x			H	24	3		M	H
Chrysopsis camporum* (C. vill	Golden aster			x		x	2-3	1-5	yellow							x	x	x	x			x	x			x				x			M	12	1		M	
Coreopsis lanceolata	Lanceleaf coreopsis			x		x	1-2	1-5	yellow					x	x							x	x			x	x			x							M	H
Coreopsis triptris	Tall coreopsis			x			2-8	2	yellow							x	x	x				x				x	x			x							M	
Lespedeza virginica	Slender bush clover			x	x	x	1-2	1-5	pink								x	x				x	x			x	x		x				L				L	
Monarda fistulosa	Wild bergamont			x	x	x	3-4	2	pink						x	x	x					x	x	x		x	x		x	x			L	12	1	M	M	M
Parthenium integrifolium	Wild quinine			x	x	x	2-3	1.5	white						x	x	x	x				x	x			x	x						L				M	L
Penstemon digitalis	Smooth beard-tongue			x	x		2-3	1.5	white				x	x								x	x			x	x		x				M	12	1		M	M
Solidago nemoralis	Old field goldenrod			x		x	4-6	1.5	yellow							x	x	x				x	x			x	x		x				L				L	L
Tephrosia virginiana	Goatsbeard			x		x	1-2	1.5	pink & white					x	x	x	x					x	x	x	x	x	x						L				L	
Verbesina helianthoides	Yellow wingstem			x		x	2-3	1.5	yellow					x	x	x						x	x	x		x	x			x		x	M	6	1		M	L
Trees/Shrubs																																							
Amelanchier arborea	Serviceberry			x	x	x	10-15	10	white		x	x							x				x	x	x	x	x		x		x		L				L	
Quercus coccinea	Scarlet oak			x	x	x	30-40	30	red									x	x			x	x	x		x	x				x		L	6	1	H	L	
Nyssa sylvatica	Black gum			x	x		40-50	25	red									x	x	x		x	x	x		x	x		x		x	x	L			H	L	
Pinus echinata	Short-leaf pine			x	x	x	40-50	20	green								x	x	x	x		x	x	x	x	x	x		x		x		L			L	L	

Requirements

Local Ecotype Rule: Plants of Missouri or Southern Illinois ecotype are required.
Must use a minimum of 5 grass/sedge species and 8 forb species for each BMP.
Each species must consist of between 5% - 15% of the total plant count for each BMP.
Refer to Planting, Water, and Mulch Requirements for Stormwater BMP's for plant sizes and irrigation requirements
Biodegradable erosion blanket must be used on slopes greater than 10%.
Erosion blankets must be coarse to allow varying leaf sizes (examples include Geojute, Curlex #1 and NorthAmerican Green S75 single net straw blanket, or equivelant)
*Experimental for practice and/or limited availability in commercial trade