
APPENDIX G

POST CONSTRUCTION WATER QUALITY SUGGESTED USE

Structural Storm Water Quality BMP Suggested Uses

BMP	BMP Number	Land Requirement	Single Family	Multi Family	Commercial	Industrial
Dry Detention Basin	WQ-01	Moderate to High	X	X	X	X
Wet Detention Basin	WQ-02A	Moderate to High	X	X	X	X
Wet Extended Pond	WQ-02B	Moderate to High	X	X	X	X
Micropool Extended Pond	WQ-02C	Moderate to High	X	X	X	
Stormwater Wetland	WQ-03A	Moderate to High	X	X	X	
Shallow Wetland	WQ-03B	Moderate to High	X	X		
Extended Detention Shallow Wetland	WQ-03C	Moderate to High	X	X		
Pond/Wetland System	WQ-03D	Moderate to High	X	X	X	
Pocket Wetland	WQ-03E	Moderate	X	X	X	
Gravel Wetland	WQ-04	Moderate	X	X	X	
Bioretention Areas	WQ-05	Moderate	X	X	X	X
Sand Filter	WQ-06	Low			X	X
Infiltration Trenches	WQ-07	Moderate	X	X	X	X
Enhanced Dry Swales	WQ-08	High	X	X	X	X
Infiltration Basin	WQ-09	Moderate	X	X	X	
MTDs	WQ-10	Low		X	X	X
Permanent WQ Stream Buffer	WQ-11	Moderate	X	X	X	X
Vegetated Filter Strip	WQ-13	Low	X	X	X	X
Level Spreader	WQ-13	Low	X	X	X	X

Structural Storm Water Quality BMP Characteristics

BMP	BMP Number	Maintenance Burden	Costs	Aesthetically Pleasing	Provide Habitat	Drainage Area (Acres)	Soils
Dry Detention Basin	WQ-01	Low	Low			No Requirements	HSG D may need underdrain
Wet Detention Basin	WQ-02A	Low	Low	X	X	10 Minimum 25 Preferred	HSG A Soils May Require Pond Liner HSG B Soils May Require Infiltration Testing
Wet Extended Pond	WQ-02B	Low	Low	X	X	10 Minimum 25 Preferred	
Micropool Extended Pond	WQ-02C	Moderate	Low	X	X	10 Minimum	
Stormwater Wetland	WQ-03A	Moderate	Moderate				HSG A Soils and HSG B Soils May Require Liner
Shallow Wetland	WQ-03B	Moderate	Moderate	X	X	20 Minimum	
Extended Detention Shallow Wetland	WQ-03C	Moderate	Moderate	X	X	20 Minimum	
Pond/Wetland System	WQ-03D	Moderate	Moderate	X	X	20 Minimum	
Pocket Wetland	WQ-03E	High	Moderate	X	X	5 Minimum	
Gravel Wetland	WQ-04	Moderate	Moderate	X	X	No Requirements	No Requirements
Bioretention Areas	WQ-05	Low	Moderate	X	X	2 Maximum	No Requirements
Sand Filter	WQ-06	High	High	X (Hidden)		2 Maximum	No Requirements
Infiltration Trenches	WQ-07	High	High			2 Maximum	Infiltration Rate > 0.5 In/Hr
Enhanced Dry Swales	WQ-08	Low	Moderate			5 Maximum	Permeable Soil
Infiltration Basin	WQ-09	Moderate	Low			2 Maximum	Infiltration Rate > 0.5 In/Hr
MTDs	WQ-10	High	High	X (Hidden)		Varies	No Requirement
Permanent WQ Stream Buffer	WQ-11	Low	Low	X	X	Varies	No Requirements
Vegetated Filter Strip	WQ-13	Moderate	Low	X		Varies	No Requirements
Level Spreader	WQ-13	Moderate	Low			N/A	No Requirement

Structural Storm Water Quality BMP Suggested Uses

BMP	Design Manual Section	Water Quality	Channel Protection	Flood Protection	TSS Removal	Nutrient Removal	Metal Removal	Bacterial Removal
Dry Detention Basin	WQ-01	X	X	X	Moderate	Moderate	Moderate	Low
Wet Stormwater Pond	WQ-02A	X	X	X	High	Moderate	Moderate	Moderate
Wet Extended Pond	WQ-02B	X	X	X	High	High	Moderate	Moderate
Micropool Extended Pond	WQ-02C	X	X	X	High	Moderate	Moderate	Moderate
Stormwater Wetland	WQ-03A	X	X	X	High	High	Moderate	High
Shallow Wetland	WQ-03B	X	X	X	High	High	Moderate	High
Extended Detention Shallow Wetland	WQ-03C	X	X	X	High	High	Moderate	High
Pond/Wetland System	WQ-03D	X	X	X	High	High	Moderate	High
Pocket Wetland	WQ-03E	X	X		High	High	Moderate	High
Gravel Wetland	WQ-04	X	X			High	Moderate	High
Bioretention Areas	WQ-05	X			High	Moderate	Moderate	No data
Sand Filter	WQ-06	X			High	Moderate	Moderate	Moderate
Infiltration Trenches	WQ-07	X			High	Moderate	High	High
Enhanced Dry Swales	WQ-08	X			High	Moderate	Moderate	Low
Infiltration Basin	WQ-09	X	X	X	High	High	High	High
MTDs	WQ-10	X			High	Low-high	Low-high	Low-high
Permanent WQ Stream Buffer	WQ-11	X	X		NA	NA	NA	NA
Vegetated Filter Strip	WQ-13	X			Low-Moderate	Low-Moderate	Low-Moderate	Low-Moderate
Level Spreader	WQ-13	X	X		NA	NA	NA	NA