

Short Term Vegetated BMP Maintenance

Prior to and During Installation and Establishment of BMP

Task	Explanation
Encourage phased construction of development surrounding BMP	Utilize staged construction to limit erosion potential of land exposed
Provide temporary stormwater control	Stormwater runoff shall be routed around facility until vegetation is established (generally 2-3 months)
Provide site stabilization	Utilize erosion control during construction and until facility is established
Protection from foot traffic and BMP education through signage	Use fencing and signage to prevent damage from animal and human foot traffic and to initiate public interest and education
Planting of native vegetation	Optimum planting window depends on location in KS; for seeding rates and other assistance contact local NRCS
Mulching	Use mulch made from native hay or native plants to reduce potential competition for resources
Fertilization	Typically with native vegetation fertilization is not required, however consult local NRCS for fertilizing suggestions after soils test
Irrigation/Watering	Watering schedule must be established for upkeep of vegetation
During 3 Months Post-Installation	
Post wet-weather event (Precipitation > 0.5")	Ensure that vegetation and other erosion stabilizing mechanisms are intact and check inlet/outlet structures and surrounding area for signs of erosion or instability
Protection from foot traffic and BMP education through signage	Use fencing and signage to prevent damage from animal and human foot traffic and to encourage BMP education and interest
Check areas surrounding BMPs	Check for signs of erosion or instability and make sure that aesthetics are maintained throughout the BMP footprint
Irrigation/Watering	Watering schedule must be established for upkeep of vegetation
Weeding	Particularly important during initial growth to reduce competition for moisture, nutrients, and sunlight
Replacement of dead plants	All dead plants should be removed, the cause of their death investigated, and if the cause is the BMP environment, attempt growth of new plant type
Establish "Green Teams" or other community groups	Encourage community involvement and establish maintenance crews to perform routine clean out of trash and debris and to maintain appearance of BMP

Long Term Vegetated BMP Maintenance

End of Growing Season (August - September)

Task	Explanation
General Inspection	Check for standing water, slope stability, sediment accumulation, trash and debris, presence of burrows and erosion, and integrity of inlet/outlet, dam, and other engineered structures
Clean out sediments and debris	Clean out sediments and debris from inlet, outlet, the BMP and for detention basins, remove sediment when accumulation reduces the permanent pool by 10% or the forebay by 50% and dispose of appropriately
Check areas surrounding BMPs	Check for signs of erosion or instability and make sure that aesthetics are maintained throughout the BMP footprint
Mowing/Harvest	Native grasses should be trimmed to 4-6" to provide adequate biomass for regrowth the following year
Maintain BMP Signage	Repairs should be made to signage, walkways, picnic tables, or any other public recreation equipment as necessary
Winter stabilization	May be necessary to establish erosion prevention practices to maintain BMP over the winter when plants are dormant
Continue to support and educate "Green Teams" or other community groups	It is important to maintain community involvement and provide education and opportunities for service

Beginning of Growing Season (March-April)

General Inspection	Check for standing water, slope stability, sediment accumulation, trash and debris, presence of burrows and erosion, and integrity of inlet/outlet, dam, and other engineered structures
Clean out sediments and debris	Clean out sediments and debris from inlet, outlet, the BMP and for detention basins, remove sediment when accumulation reduces the permanent pool by 10% or the forebay by 50% and dispose of appropriately
Provide site stabilization	Ensure that vegetation and other erosion stabilizing mechanisms are intact
Check areas surrounding BMPs	Check for signs of erosion or instability and make sure that aesthetics are maintained throughout the BMP footprint
Weeding/Pruning	Remove invasive and excess biomass and dispose of appropriately.
Replace/augment vegetation	Augment existing plants by same planting procedure as during construction if necessary and dead plants should be removed and replaced
Continue to support and educate "Green Teams" or other community groups	It is important to maintain community involvement and provide education and opportunities for service

Short Term Non-Vegetated BMP Maintenance

Prior to and During Installation of BMP

Task	Explanation
Encourage phased construction of development surrounding BMP	Utilize staged construction to limit erosion potential of land exposed
Provide site stabilization	Utilize erosion control during construction and until facility is established
Encourage infiltration through BMP bottom into surrounding soil	Roto-till the bottom soil to increase potential for deep percolation
Protection from foot traffic and BMP education through signage	Use fencing and signage to prevent damage from animal and human foot traffic and to initiate public interest and education

During 3 Months Post-Installation

Post wet-weather event (Precipitation > 0.5")	Ensure erosion stabilizing mechanisms are intact and check inlet/outlet structures and surrounding area for signs of erosion or instability
Prevent surface clogging	Remove surface debris (grass clippings, sediment, etc.) and monitor ponding
Monitor internal clogging	Check levels of well to ensure proper infiltration from BMP to surrounding soil
Check areas surrounding BMPs	Check for signs of erosion or instability and make sure that aesthetics are maintained throughout the BMP footprint
Protection from foot traffic and BMP education through signage	Use fencing and signage to prevent damage from animal and human foot traffic and to encourage BMP education and interest
Establish "Green Teams" or other community groups	Encourage community involvement and establish maintenance crews to perform routine clean out of trash and debris and to maintain appearance of BMP

Long Term Non-Vegetated BMP Maintenance

End of Growing Season (August - September)

Task	Explanation
General Inspection	Check for standing water, slope stability, sediment accumulation, trash and debris, presence of burrows and erosion, and integrity of inlet/outlet, dam, and other engineered structures
Clean out sediments and debris	Clean out sediments and debris from surface and check for signs of ponding or clogging
Check areas surrounding BMPs	Check for signs of erosion or instability and make sure that aesthetics are maintained throughout the BMP footprint
Maintain BMP Signage	Repairs should be made to signage, walkways, picnic tables, or any other public recreation equipment as necessary
Winter stabilization	May be necessary to establish erosion prevention practices to maintain BMP when soils become frozen and surface materials may freeze
Continue to support and educate "Green Teams" or other community groups	It is important to maintain community involvement and provide education and opportunities for service

Beginning of Growing Season (March-April)

General Inspection	Check for standing water, slope stability, sediment accumulation, trash and debris, presence of burrows and erosion, and integrity of inlet/outlet, dam, and other engineered structures
Prevent surface clogging	Remove surface debris (grass clippings, sediment, etc.) and monitor ponding
Monitor internal clogging	Check levels of well to ensure proper infiltration from BMP to surrounding soil
Clean out sediments and debris	Clean out sediments and debris from surface and check for signs of ponding or clogging
Provide site stabilization	Ensure that BMP media and other erosion stabilizing mechanisms are intact
Maintain aesthetics	General clean up of the BMP and surrounding areas to maintain aesthetics
Check areas surrounding BMPs	Check for signs of erosion or instability and make sure that aesthetics are maintained throughout the BMP footprint,
Continue to support and educate "Green Teams" or other community groups	It is important to maintain community involvement and provide education and opportunities for service

	Example Construction Schedule												Long Term Maintenance Schedule											
	Month of Year												Month of Year											
	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8
Project site/Building Construction																								
Project site Stabilization																								
Temporary Stormwater Control at BMP Site																								
BMP Installation & Veg. Establishment																								
Post Wet-Weather Checks																								
Annual Key Milestones-BMP																								
Fall Bi-annual Inspection/Maintenance																								
Spring Bi-annual Inspection/Maintenance																								

★ Indicates inspection and/or Maintenance Activity (See corresponding checklist)

BMP Construction Record

BMP Number _____
BMP Type _____
Designed By _____
Installation Date _____
Scheduled 3 Month Inspection Date: _____ Actual 3 Month Inspection Date: _____
Installed By _____
 Phone _____
 Email _____
Maintenance Bond or Escrow Account? _____ Number: _____
Date of Expiration: _____
Final Inspection _____
Added to Agency Maintenance Schedule? _____

Inspection for First Two Growing Seasons:

1st Fall Inspection Scheduled _____ Actual 1st Fall Inspection Date: _____
1st Fall Maintenance Completed _____
1st Spring Inspection Scheduled _____ Actual 1st Spring Inspection Date: _____
1st Spring Maintenance Completed _____
2nd Fall Inspection Scheduled _____ Actual 2nd Fall Inspection Date: _____
2nd Fall Maintenance Completed _____
2nd Spring Inspection Scheduled _____ Actual 2nd Spring Inspection Date: _____
2nd Spring Maintenance Completed _____