

# Stormwater Control Measure Inspection Forms

## Inspection and Maintenance Guide Attachment B

Inspection forms are provided for the following SCMs:

- 1. Bioretention (Rain Garden)
- 2. Constructed Wetland/Retention Pond
- 3. Extended Detention Basin (EDB)
- 4. Grass Buffer/Grass Swale
- 5. Permeable Pavement
- 6. Sand Filter
- 7. Underground/Proprietary SCM



**Bioretention (Rain Garden) Inspection Form** This inspection form shall be completed annually, kept for a minimum of five years, and made available to the City of Boulder upon request.

	1. Facility Information										
Property Name:											
		Address:									
		Owner Name:		Owner Phone:							
		Inspector Name:		Inspector Phone:							
	Inci	pector Company:		Date:							
	-			Bute.							
Fo	2. Inspection Findings For each inspection item, provide one of the following scores:										
		deficiency identified, 1: Monitor (potential future problem), 2: Routin			plicable						
In		ection Item	Score	Comment/Description							
1	Int	flow Point									
	Α	Sediment/trash/debris removal									
	В	Runoff doesn't enter inlet due to elevation or obstruction									
	С	Erosion/structural damage									
2	Fo	rebay/Energy Dissipation									
	Α	Sediment/trash/debris removal									
	В	Drain pipe/weir clogged									
3		ter Media									
	Α	Evidence of clogged media									
	В	Uneven grading/mounding of landscape material									
4		nderdrain									
	-	Evidence of clogged underdrain									
	В	Cleanout caps missing/access obstructed									
	С	Underdrain orifice plate obstructed or missing									
5		utlet Structure									
	Α	Outlet overflow elevation/depth insufficient									
	В	Flow control/drain pipe clogged									
6		nbankments/Containment Walls									
	A	Sparse vegetation/erosion present									
	B	Structural damage									
_	C	Encroachment into facility/easement by other activities									
7	Ve	getation									
	A	Dead/unhealthy vegetation									
	B	Overgrowth of weeds									
•		Irrigation system broken/inadequate									
8		her									
	A	Nuisance observed (odor, insects, etc)									
	B	Complaints on facility condition received									
	C	Other:									
	D Other:										
N /	3										
-		nance actions completed or scheduled as part of inspection.									
	aifi	tenance Action		Date	•						
1											
2											
3											
_											

Refer to the Colorado Stormwater Center (<u>http://stormwatercenter.colostate.edu</u>) Inspection and Maintenance Field Guide, Sand Filters/Bioretention section (p. 29 - 46) for further description on inspection items.



Constructed Wetland/Retention Pond Inspection Form This inspection form shall be completed annually, kept for a minimum of five years, and made available to the City of Boulder upon request.

		. Facility Information			
		Property Name:			
		Address:			
		Owner Name:		Owner Phon	ie:
		Inspector Name:		Inspector Phon	ie:
I	ns	pector Company:		Dat	te:
	2	. Inspection Findings			
	ea	ch inspection item, provide one of the following scores:	Douting maintar	anaa naadad 2 Immadi	into repair peopled N/A: Not applicable
		deficiency identified, 1: Monitor (potential future problem), 2: ection Item	Score		
1	-	flow Point	30016	Comment/Descrip	
'	A	Sediment/trash/debris removal			
_	_				
-	B	Vegetation removal Erosion/structural damage			
2		brebay			
£	A	Sediment/trash/debris removal			
	B	Drain pipe/weir clogged			
4		ermanent Pool			
*	A	Sediment/trash/debris removal			
_	В	Mosquitos/algae treatment			
_	C	Oil/chemical sheens			
5		utlet Structure			
	A	Trash rack/orifice plate clogging			
	В	Trash rack/orifice plate missing/removed			
	C	Sediment/trash/debris removal			
6		nbankment/Containment Wall			
	A	Sparse vegetation/erosion present			
	В	Structural damage			
	C	Encroachment into facility/easement by other activiti	es		
7		getation			
	A				
	В	Overgrowth of weeds/wetland vegetation			
8		ther			
	A	Nuisance observed (odor, insects, etc)			
	В	Complaints on facility condition received			
	С	Other:			
	D				
	3				
Ма		enance actions completed or scheduled as part of inspection			
		tenance Action			Date
1					
2					
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Extended Detention Basin (EDB) Inspection Form This inspection form shall be completed annually, kept for a minimum of five years, and made available to the City of Boulder upon request.

	1	Facility Information					
		Property Name:					
		Address:					
		Owner Name:			Owner Pho	0001	
		Inspector Name:		Ir	nspector Pho		
		bector Company:			D	ate:	
_	2						
Fo 0:∣	r ea No c	ch inspection item, provide one of the following scores: leficiency identified, 1: Monitor (potential future problem), 2: Rou	tine mainter	nance ne	eeded, 3. Imme	ediate	repair needed, N/A: Not applicable
In	spe	ction Item	Score	Com	ment/Desci	riptio	n
1	Inf	low Point					
	А	Sediment/trash/debris removal					
	В	Vegetation removal					
	С	Erosion/structural damage					
2	Fo	rebay					
	А	Sediment/trash/debris removal					
	В	Drain pipe/weir clogged					
3	Tri	ckle Channel (Basin Bottom)					
	Α	Sediment/trash/debris removal					
	В	Woody vegetation removal					
	С	Erosion/structure damage					
4	Mi	cropool					
	Α	Sediment removal					
	В	Mosquitos/algae treatment					
	С	Oil/chemical sheens					
5	Οι	tlet Structure					
	Α	Trash rack/orifice plate clogging					
	В	Trash rack/orifice plate missing/removed					
	С	Sediment/trash/debris removal					
6	En	nbankment/Containment Wall					
	Α	Sparse vegetation/erosion present					
	В	Structural damage					
	С	Encroachment into facility/easement by other activities					
7	Ot	her					
	А	Nuisance observed (odor, insects, etc)					
	В	Complaints on facility condition received					
	С	Other:					
	D	Other:					
	3						
		nance actions completed or scheduled as part of inspection.					
Ma	aint	tenance Action					Date
1							
2							
3							

Refer to the Colorado Stormwater Center (<u>http://stormwatercenter.colostate.edu</u>) Inspection and Maintenance Field Guide, Extended Detention Basins section (p. 5 - 20) for further description on inspection items.



**Grass Buffer/Grass Swale Inspection Form** This inspection form shall be completed annually, kept for a minimum of five years, and made available to the City of Boulder upon request.

	1	. Facility Inform	nation					
		Property Name:						
		Address:						
	Owner Name:				Owner Pl	none:		
		Inspector Name:			Inspector Pl	none:		
	ns	pector Company:				Date:		
	2	. Inspection Fi	ndings					
Fo	r ea	ch inspection item, pro	ovide one of the following scores:	aa maintar	anaa naadad 2 lmr	aadiata	renair needed N/A: Not applicable	
		ection Item	: Monitor (potential future problem), 2: Routin		Comment/Des			
1	-	flow Point		Score	Comment/Dest	Jupuc		
<u> </u>	A	Sediment/trash/de	hris removal					
	C							
2			Slopes/Buffer Area					
-	A	Sediment/trash/de						
	B	Erosion present	Shistemoval					
	С	Standing water/bo	nov areas					
	D	Unlevel/uneven dis						
3		egetation						
5	A	Dead/unhealthy gr	288					
	В		eds or excessive grass height					
	C	Irrigation system b						
4		nderdrain (if applic	-					
-	A	Evidence of clogge						
	В		issing/access obstructed					
5		utlet Point						
5	A	Sediment/trash/de	hris removal					
	В	Erosion/structural						
6		ther	damaye					
	A	1	o facility/easement by other activities					
			d (odor, insects, etc)					
	С		ility condition received					
	D	Other:						
	E							
		Maintenance	Actions					
Ma								
	Maintenance actions completed or scheduled as part of inspection.  Maintenance Action							
1							Date	
2								
3								



Permeable Pavement Inspection Form This inspection form shall be completed annually, kept for a minimum of five years, and made available to the City of Boulder upon request.

	1	. Facility Inform	nation					
		Property Name:						
		Address:						
Owner Name:						Owner Phone:		
		Inspector Name:				Inspector Phone:		
	Ins	pector Company:				Date:		
		Inspection Fi						
Fc 0·	r ea No i	ch inspection item, pro	ovide one of the following scores: : Monitor (potential future problem), 2: Routi	ne mainter	nance r	needed 3 Immediate	repair needed N/A: Not applica	able
		ection Item		Score		nment/Descriptio		
1	-	vement Surface				• • • • • •		
	Α	Sediment/debris b	uildup, lack of routine cleaning					
	В	Failure of infiltratio	n test/evidence of clogging					
	С	Structural damage	to pavers/concrete/curb					
2	Pa	vement Joints						
	С	Joint aggregate mi	issing (more than ½" below paver)					
	D	Joint aggregate im	proper size (ASTM 8, 9, or 89)					
	С	Weed growth in pa	avement joints					
3	Uı	nderdrain						
	Α	Evidence of clogge	ed underdrain					
	В	Cleanouts caps mi	issing/access obstructed					
	С	Underdrain orifice	plate obstructed or missing					
4	Οι	utlet Connection/O	Verflow					
	Α	Drain pipe/weir clo	ogged					
5	01	her						
	Α	1	o facility/easement by other activities					
	В		d (odor, insects, etc)					
	С	· ·	ility condition received					
	D	Other:						
	E	Other:						
		. Maintenance						
			eted or scheduled as part of inspection.					
Μ	ain	tenance Action					Date	
1								
2								
3								
5								



Sand Filter Inspection Form This inspection form shall be completed annually, kept for a minimum of five years, and made available to the City of Boulder upon request.

	1. Facility Information										
Property Name:											
		Address:									
		Owner Name:			Owner Phone:						
Inspector Name:					Inspector Phone:						
	Inci	-			Date:						
	-	pector Company:			Date.						
F	2. Inspection Findings For each inspection item, provide one of the following scores:										
0:	For each inspection item, provide one of the following scores: 0: No deficiency identified, 1: Monitor (potential future problem), 2: Routine maintenance needed, 3. Immediate repair needed, N/A: Not applicable										
In	_	ection Item	Score	Co	mment/Descriptio	on					
1	Inf	flow Point									
	Α	Sediment/trash/debris removal									
	В	Runoff doesn't enter inlet due to elevation or obstruction									
	С	Erosion/structural damage									
2	Fo	rebay/Energy Dissipation									
	Α	Sediment/trash/debris removal									
	В	Drain pipe/weir clogged									
3	Fil	lter Media									
	Α	Evidence of clogged media									
	В	Uneven grading/mounding of landscape material									
4	Ur	nderdrain									
	Α	Evidence of clogged underdrain									
	В	Cleanout caps missing/access obstructed									
	С	Underdrain orifice plate obstructed or missing									
5		utlet Structure									
-	A	Outlet overflow elevation/depth insufficient									
	В	Flow control/drain pipe clogged									
6		nbankments/Containment Walls									
Ē	A	Sparse vegetation/erosion present									
	В	Structural damage									
	С	Encroachment into facility/easement by other activities									
7		getation									
8		her									
	Α	Nuisance observed (odor, insects, etc)									
	В	Complaints on facility condition received									
	С	Other:									
		Other:									
	1	. Maintenance Actions									
М		nance actions completed or scheduled as part of inspection.									
_		tenance Action				Date					
1											
2	-										
3											

Refer to the Colorado Stormwater Center (<u>http://stormwatercenter.colostate.edu</u>) Inspection and Maintenance Field Guide, Sand Filters/Bioretention section (p. 29 - 46) for further description on inspection items.



Underground/Proprietary SCM Inspection Form This inspection form shall be completed every 3 months, kept for a minimum of five years, and made available to the City of Boulder upon request.

	1	. Facility Inform	nation							
		Property Name:								
	Address:									
Owner Name:						Owner Phone:				
		Inspector Name:				Inspector Phone:				
	Ins	pector Company:				Date:				
		. Inspection Fi	ndinas			24001				
	r ea	ch inspection item, pr	ovide one of the following scores:							
		-	: Monitor (potential future problem), 2: Rou					Not applicable		
		ection Item		Score	0	mment/Descriptio	n			
1		diment Storage/S	-							
			exceeded, lack of routine cleaning							
•		1	uildup, record accumulated depth							
2		Iter/Separator								
		Buildup of oil/shee								
		Oil/grit separator b	-							
-		_	ssing/needs replacement							
3	St	ructure								
	Α	A Evidence of clogging/lack of drainage								
	В	Structural damage	e to device/connections							
	С	Maintenance acce	ess damaged							
7	Ot	her								
	Α	Manufacturer mair	ntenance instruction observations							
	В	Encroachment into	o facility/easement by other activities							
	С	Nuisance observe	d (odor, insects, etc)							
	D	Complaints on fac	ility condition received							
	Е	Other:								
	F	Other:								
	3	. Maintenance	Actions							
Maintenance actions completed or scheduled as part of inspection.										
Μ	ain	tenance Action						Date		
1										
2										
3										