



UNIVERSITY OF  
**NORTHERN COLORADO**

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**Environmental Health and Safety**

## **Stormwater Construction and Post-Construction Guidelines**

October 2022



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## **Stormwater Construction and Post-Construction Guidelines**

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## ***Stormwater Construction and Post-Construction Guidelines***

### **I. Purpose**

In compliance with Colorado Discharge Permit System – Stormwater COR-09033, the goal of the Construction Site Runoff Control Program is to reduce, to the maximum extent practicable, sediment and other construction related pollutants from entering the municipal separate storm sewer system.

### **II. Construction Activity**

During the planning stages for projects that may cause sediment and construction pollutants, a plan will need developed to reduce pollutants from discharging into the stormwater system associated from construction activity.

Stormwater construction guidelines are listed below that involve less than one acre or greater than one acre construction projects.

#### Less than One Acre

- UNC Facilities Planning and Construction (P&C), Grounds Department, and/or project contractor is responsible for developing and submitting a specific plan for the construction site.
- Plan will be reviewed by Environmental Health and Safety Department.
- Plan will be submitted to the City of Greeley as information only (see Section IV for details).
- City of Greeley will activate stormwater inspections. See Section V regarding Inspection Reports.

#### Greater than One Acre

- UNC P&C will have the design team include the basic requirements and details for the contractor.
- A qualified stormwater manager will need to be identified, the person with the most knowledge on the project
- The project contractor is responsible for developing and submitting a specific Stormwater Management Plan (SWMP) for the construction site.
- UNC will need to send over the SWMP over to the City of Greeley for a formal review.
- A developed plan and application will be submitted to Colorado Department of Public Health & Environment (CDPHE) in order to receive a Construction Stormwater General Permit.
- A copy of the issued permit and plan will be submitted, as information only, to the City of Greeley (see section IV for details).

- Inspection requirements for respective permits (if documented, COR400000 can be used for MS4)
- City of Greeley will activate stormwater inspections. See Section V regarding Inspection Reports.

### **III. Post-Construction**

The City of Greeley Stormwater Division will conduct a post construction inspection to ensure Best Management Practices (BMPs) are in place. The University will ensure that BMPs are continually followed and that grounds are maintained appropriately.

### **IV. Submission of Approved Permits**

Please send any SWMP or stormwater construction documents to UNC EHS.

City of Greeley – Submission of stormwater construction documents shall be sent to:

City of Greeley  
Stormwater Management Division  
Attn: Brian Hathaway  
1001 9<sup>th</sup> Avenue  
Greeley, CO 80631  
[brian.hathaway@greeleygov.com](mailto:brian.hathaway@greeleygov.com)

### **V. Inspection Reports**

The inspection requirements for the respective permits or greater than one acre will be done by a third party (either hired by the contractor or the contractor themselves) and documented and kept for 3 years.

- COR400000 will need to be done every 7 days or 14 days plus post-storm events or 30 days if waiting on final stabilization. (by the third party)
- An inspection by the City of Greeley or UNC EHS

When the City of Greeley or UNC EHS completes an inspection report, a copy will be given to the contractor representative on-site, and a copy provided to the UNC Environmental Health and Safety Department. The address for UNC Environmental Health and Safety is:

University of Northern Colorado  
Environmental Health & Safety  
501-20 Street, Campus Box 57  
Greeley, CO 80639

UNC Project Managers or Environmental Health and Safety Department will follow up on any corrective action items and ensure the items are being addressed.

## **VI. Recordkeeping**

All Documentation must be kept for at least 3 years.

The erosion control plan/site map is a living document. The site map must be updated to reflect current conditions and the updated site map must be included in the SWMP. All inspection reports shall be kept in the SWMP.

The City of Greeley requires all long-term operations and maintenance of permanent water quality features, must be recorded with Weld County Clerk and Records Office.

Please close all permits when the project has reached final stabilization.

## Appendix A. Stormwater Management Site Plan Review for Construction & Post Construction MS4 Requirements Checklist

For projects that impact stormwater, please review the checklist.

**STORMWATER MANAGEMENT  
SITE PLAN REVIEW FOR CONSTRUCTION & POST-CONSTRUCTION  
MS4 REQUIREMENTS**

Project Name:  
Project Address:  
Date on project plan:

Site is less than 1 acre, no state construction permit required, grading permit may be required, basic S&E control practices needed

Site greater than one (1) acre: State Permit Required, Phased Site Control (is required at 5 acres), a Grading permit may be required

**PART 1. SEDIMENT & EROSION CONTROL PLAN SET:** BMPS for Erosion & Sediment Controls (Reference Chapter 12 and Chapter 13 of City of Greeley Design Criteria Manual Volume II)  
Will need some sort of erosion control

	<b>EROSION CONTROL BMP's</b>	<b>Requirement Satisfied</b>	<b>More information is required as detailed below</b>
EC-1	Surface Roughening	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
EC-2	Vegetative Buffer	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
EC-3	Drainage Swales	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
EC-4	Wind Erosion Control Measures	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
EC-5	Slope protection	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
EC-6	Outlet Protection	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
EC-7	Temporary Seeding – properly shown on plan on plan set	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
EC-8	Permanent Seeding – properly shown on plan set	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
EC-9	Seeding dates are specified to cover the planting season for both temporary and permanent seeding	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
EC-10	Other: _____	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<b>SEDIMENT CONTROL BMP</b>			
SC-1	Silt Fence	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	

SC-2	Sediment Control Logs (Wattles)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
SC-3	Rock Socks	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
SC-4	Inlet Protection (required)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
SC-5	Sediment Basins & Traps	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
SC-6	Check Dams	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
SC-7	Earth Berm	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
SC-8	Vehicle Tracking Control (required)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
SC-9	Other: _____	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<b>MATERIAL MANAGEMENT BMPS</b>			
MM-1	Stockpile locations with appropriate controls (12.5.2.A)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
MM-2	Material Management Procedures (12.5.2.B)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
MM-3	Material Use (12.5.2.C)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
MM-4	Spill Control and Prevention (12.5.2.D)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<b>WASTE MANAGEMENT (SPCC)</b>			
WM-1	Concrete Waste Management (12.5.3.A)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
WM-2	Solid Waste Management (12.5.3.B)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
WM-3	Sanitary and Septic Waste Management (12.5.3.C)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
WM-4	Liquid Waste Management (12.5.3.D)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
WM-5	Hazardous Waste Management (12.5.3.E)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
WM-6	Contaminated Waste Management (12.5.3.F)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<b>GENERAL POLLUTION PREVENTION</b>			
GP-1	Dewatering Operations (12.5.4.A)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
GP-2	Non-stormwater Discharge Management (12.5.4.B)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
GP-3	Wind Erosion Control (12.5.4.C)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
GP-4	Paving Operations (12.5.4.D)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
GP-5	Street Sweeping and Vacuuming (12.5.4.E)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
GP-6	Vehicle and Equipment Management	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	

	(12.5.4.F)		
	<b>SITE MANAGEMENT</b>		
SM-1	Limits of clearing & grading shown, including all stockpiles and access areas	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
SM-2	Wetland/Waterway Delineation: Temporary signage every 50 ft adjacent to site	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
SM-3	Phasing plan (Location of Erosion & Sediment control practices as phased with construction) (5 acres)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
SM-4	Provisions described initiate and complete temporary or permanent stabilization within 14 days final grade in inactive areas	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
SM-5	Slopes of 4:1 or greater must have fabric or erosion matting stabilization	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
SM-6	Final stabilization measures outlined (should be in SWMP)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
SM-7	BMP removal schedule (should be in SWMP).	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	

**Construction Notes and Details (Good suggestions)**

<b>Are the following items shown on construction drawings</b>	<b>Requirement Satisfied</b>	<b>More information is required as detailed below</b>
a) Specific Soil and erosion control sequence given for each phase	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
b) Inspection of all erosion and sediment control BMPs shall be required at the end of each (active) day's work, with necessary maintenance and repairs provided immediately	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
c) All disturbed areas shall be adequately stabilized within 7 days after final grade is reached, if the area will not be in an active construction area.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
d) Construction work in or directly adjacent to a watercourse shall require adequate bed and bank stabilization as defined in the USDCM, Vol. 3	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
e) Refer to the approved Stormwater Management Plan for additional requirements	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
f) "The inspector may at any time require-- -----"	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
h) If stockpiles are not brought to final grade within 30 days following initial disturbance, or re-disturbance, temporary stabilization measures shall be required and	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	



the stockpiles shall remain less than 10 ft in height		
i) temporary erosion and sediment control measures shall be removed as soon as their function has been fulfilled (when final stabilization is achieved)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
j) Construction of underground utilities shall be included as a land disturbing activity.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
k) <b>All Erosion Control Details (Final)</b> <b>13.4.2.B</b>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	

**PART 2: CIVIL PLAN SET SHEETS:** Permanent Long-Term Water Quality Control Structure

	<b>PERMANENT BMP: POST CONSTRUCTION LONG TERM STRUCTURE</b>	(Reference Chapter of City of Greeley Design Criteria Manual Volume II)	
PS-1	Extended Detention Basin with Water Quality Capture Volume Structure	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
PS-2	Underground Detention – Water Quality Vaults, i.e. Stormceptors	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
PS-3	Other:	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	

The control measure being installed for permanent long-term water quality control meets one of the following base design standards:

\*Document all exclusions

Base Design Standard		Yes	No	NA
WQCV (exemptions)	100% of site is captured*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Pollutant Removal Standard	Designed to treat at a minimum the 80 <sup>th</sup> percentile storm event and reduce the event mean concentration of Total Suspended Solids (TSS) to a median value of 30mg/l or less.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Runoff Reduction Standard	Control measure is designed to infiltrate into the ground, evaporate or evapotranspire a quantity of water equal to 60% of calculated WQCV would be if all impervious area for site discharged without infiltration.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Development Project Draining to a Regional WQCV Control Measure	The regional WQCV control measure must be designed to accept the drainage from the applicable development site, must not discharge to waters of the state before being discharged to regional WQCV control measure	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Development Project Draining to a Regional WQCV Facility	Must be designed to accept drainage from the applicable development site. May be discharged to waters of the state**. Regional WQCV facility must be implemented with flood control or water quality as the primary use.***	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Constrained Redevelopment Site Standard****	Must meet one of the following: (a) provide treatment of the WQCV for the captured area (50% or more of the impervious area) (b) provide treatment for the 80 <sup>th</sup> percentile storm event. Minimum 50% of the applicable development area, including 50% or more of the impervious area, shall drain to the control measure. 100% does not	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	need to be directed to the control measure, as long as the overall removal goal is met or exceeded (c) Infiltrate, evaporate, through practices such as green infrastructure, quantity of water equal to 30% of what the calculated WQCV would be if all impervious area for the applicable redevelopment site discharged without infiltration			
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\*100% of applicable development site is captured, except that up to 20%, but not exceeding 1 acre, of the applicable development site area may be excluded when the permittee has determined that it is not practicable to capture runoff from portions of the site that will not drain towards control measures. In addition, permittee must determine that the implementation of a separate control measure for that portion of the site is not practicable.

\*\*Before discharging to a water of the state, at least 20% of the upstream imperviousness of the applicable development site must be disconnected from the storm drainage system and drain through a receiving pervious area control measure compromising a footprint of at least 10% of the upstream disconnected impervious area of the applicable development site. Control measure must be designed in accordance with a City approved design manual. Stream channel between the discharge point of the development site and regional WQCV facility must be stabilized.

\*\*\* Recreational ponds and reservoirs, or water bodies listed by name in surface water quality classifications and standard regulations (5CCR 1002-32 through 5 CCR 1002-38) and standards may not be considered regional facilities.

\*\*\*\*Standard applies to redevelopment sites that:

- a) The applicable redevelopment site is for a site that has greater than 75% impervious area and
- b) The City has determined that it is not practicable to meet any of the standards for on-site treatment (100% WQCV, pollutant removal standard, or runoff reduction standard)

### **PART 3: PERMANENT BMP LONG TERM OPERATION & MAINTNEANCE**

	<u>Permanent Structure Checklist</u>	Requirements Satisfied	More Information is required as detailed below
PCS-1	Does the design allow for inspection and maintenance access? For example can equipment get to the bottom of the basin?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
PCS-4	Does the basin contain trickle channel?	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
PCS-5	Will the trickle channel be handling underdrains and groundwater? If yes, pan must to have curb sides on it.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
PCS-6	Slopes: 4:1 max –exceptions must be approved by Stormwater Engineering.	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
PCS-7	Basin is designed to be: <ul style="list-style-type: none"> <li>• Dry</li> </ul> Wet	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
PCS-8	Vegetation: <ul style="list-style-type: none"> <li>• Native</li> </ul> Bluegrass	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	

<b>PCS-9</b>	Irrigation: <ul style="list-style-type: none"><li>• Temporary</li><li>• Permanent</li></ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
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## Appendix B. SWMP Checklist

### **PART 4: STORMWATER MANAGEMENT PLAN (SWMP): SEPARATE WRITTEN DOCUMENT TO MEET REQUIREMENTS OF STATE-ISSUED “STORMWATER DISCHARGES ASSOCIATED WITH CONSTRUCTION ACTIVITY” PERMIT**

A copy must be sent to the EHS and to the City of Greeley

SWMP Contents	Requirement Satisfied	More info is required as detailed below
<b>Site Description</b>		
<ul style="list-style-type: none"> <li>Nature of the construction activity at the site</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>Proposed schedule for the sequence of major construction activities and the planned implementation of control measures for each phase</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>Estimates of the total acres and acreage expected to be disturbed for clearing, excavation, grading, access roads, stockpiles, borrow sites (including off-site areas), and volume (cubic yards) of excavation and fill</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>Summary of existing data used in the development of construction site plans or SWMP that describe the soil or potential for soil erosion</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>Description of Non-Stormwater Discharges*. These can include the following:               <ol style="list-style-type: none"> <li>Uncontaminated springs</li> <li>Concrete washout water</li> <li>Landscape irrigations return flow</li> <li>Emergency fire fighting</li> </ol> </li> </ul> <p>*Discharges covered under the division’s Low Risk Discharge Policy are not authorized.</p>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>Description of areas receiving discharge from the site, including a description of the immediate source receiving the discharge (if storm sewer, the entity owning the system and the ultimate receiving water)</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>Description of all stream crossings located within the construction site boundaries, including               <ol style="list-style-type: none"> <li>Relative location on the site</li> <li>Stream name</li> <li>Any on-site disturbed upland areas that may flow into the stream</li> <li>Control measures implemented to protect the stream in the upland areas</li> </ol> </li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>Description of vegetative density and type of vegetation (and the method for determining relative density)</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<b>Site Map:</b>		
<ul style="list-style-type: none"> <li>Construction site boundaries</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>Flow arrows that depict flow direction on-site and runoff</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>All areas of ground disturbance (including borrow and fill)</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>Areas used for storage of soil</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	

• Locations of waste accumulation areas (asphalt, liquid, concrete, masonry)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
• Locations of asphalt, concrete batch plants, and masonry mixing stations	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
• Locations of all structural control measures	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
• Locations of all non-structural control measures	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
• Locations of all stream crossings located within the construction site boundary	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<b>Stormwater Management Controls:</b>		
• Qualified Stormwater Manager and qualifications on SWMP	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
• Identification of Potential Pollutant Sources		
1) Disturbed and stored soils	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
2) Vehicle tracking of sediments	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
3) Management of contaminated soils	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
4) Loading and unloading operations	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
5) Outdoor storage activities	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
6) Vehicle and Equipment maintenance and fueling	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
7) Significant dust or particulate generating processes	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
8) Routine Maintenance activities involving fertilizers, pesticides, herbicides, detergents, fuels, solvents, oils, etc	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
9) On-site waste management practices (waste piles, liquid wastes, dumpsters)	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
10) Concrete truck/equipment washing, including washing of concrete truck chute and associated fixtures, and disposal of excess concrete after pouring	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
11) Dedicated asphalt, concrete batch plants, and masonry mixing stations	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
12) Non-industrial waste sources, including worker trash and portable toilets	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
• BMPs for Stormwater Pollution Prevention		
1) Structural practices for Erosion & Sediment Control	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
2) Non-structural practices for Erosion & Sediment Control	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
3) Phased BMP Implementation	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
4) Materials Handling ( <i>pg 7 Guidance Doc</i> )	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
5) Spill Prevention and Response Plan ( <i>pg 7 Guidance Doc</i> )	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
6) Dedicated Concrete or Asphalt Batch Plants	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
7) Vehicle Tracking Control	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
8) Waste Management & Disposal, including concrete washout	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
9) Groundwater, Surface water, and comingled stormwater dewatering	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
• Documented use agreement between permittee and owner/operator of any control measures outside permitted area that are used as a BMP	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<b>Final Stabilization &amp; Long-Term Stormwater Management</b>		
• Describe practices to achieve final stabilization	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	

<ul style="list-style-type: none"> <li>Final stabilization practices for obtaining vegetative cover should include seed mix and application rates; soil preparations and amendments; soil stabilization practices (e.g. crimped straw, hydro mulch or rolled erosion control products) and appropriate sediment control BMPs as needed until final stabilization is achieved.</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>Final stabilization is reached when all ground surface disturbing activities at the site have been completed, and uniform vegetative cover has been established with an individual plant density of at least 70% of pre-disturbance levels, or equivalent permanent, physical erosion reduction methods have been employed.</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>Describes any planned practices to control pollutants in stormwater discharges that will occur after construction operations are completed (such as rain gardens, detention ponds, stormwater vaults)</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<b>Inspections:</b>		
<ul style="list-style-type: none"> <li>Inspections will be completed per frequency in part I.D.6 of the current CDPHE permit <ol style="list-style-type: none"> <li>At least once every 7 calendar days or</li> <li>Once every 14 calendar days, plus post-storm inspections within 24 hours after the end of the event</li> </ol> </li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>Inspections will be conducted by a qualified stormwater trained person</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>Inspection report template includes at a minimum the areas required in the CDPHE permit (*see sample template)</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<b>Installation and Maintenance of BMPs:</b>		
<ul style="list-style-type: none"> <li>Technical Appendix should include all design calculations for determining rainfall and runoff, sizing any basins, diversions or other conveyance or retention/detention facilities (13.4.2.A.5)</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>Design specifications that contain information on the implementation of the control measure</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>Specification on how often each BMP will be maintained</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>Specification at what capacity routine maintenance will be scheduled (no more than 50%)</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	
<ul style="list-style-type: none"> <li>A plan for how emergency repairs will be conducted</li> </ul>	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> N/A	

## Appendix C. COR400000 Inspection report

At minimum, the inspection must include:

- Inspection Date
- Name and titles of personnel conducting the inspection
- Weather conditions at the time of inspection
- Phase of construction at the time of inspection
- Location(s) of discharges of sediment or other pollutants from the site
- Locations(s) of control measures needing routine maintenance
- Locations(s) and identification of inadequate control measures
- Locations(s) and identification of additional control measures are needed that were not in place at the time of inspection
- Description of corrective action(s) for any of the 3 previous items if identified, dates those corrective action(s) were completed, including requisite changes to the SWMP, as necessary
- Description of the minimum inspection frequency and any deviations from the minimum inspection schedule
- After adequate corrective action(s) have been taken, or where a report does not identify any incidents requiring corrective action, the report shall contain the following statement:  
“ I verify that, to the best of my knowledge and belief, that if any corrective action items, were identified during the inspection, those corrective actions are complete, and the site is currently in compliance with the Permit.”

For an example, please go to <https://cdphe.colorado.gov/wq-construction-compliance-assistance-and-guidance>, then scroll down to COR400000- stormwater management plan guidance.