



## CHECKLIST FOR STORMWATER MANAGEMENT PLAN

City of Greenwood Village  
6060 S Quebec Street  
Greenwood Village, CO 80111  
(303) 486-5783

Project/Permit No. \_\_\_\_\_ Address/Location: \_\_\_\_\_  
Review Date: \_\_\_\_\_

### I. COVER SHEET

Yes	No	N/A	Report Requirements
			A. Name of project
			B. Address/Location of property/project
			C. Submittal date and revision dates as applicable
			D. Owner/Developer Certification (see attached)
			E. Engineer Certification (see attached)

### I. STORMWATER PLAN MANAGER

Yes	No	N/A	Report Requirements
			A. Table of name(s) of site's qualified stormwater manager(s)
			B. Contact information including phone and email (multiple spaces may be needed in case of management changes)
			C. Inspection frequency for type of inspections (Note: projects within the Cherry Creek Basin must conform to Reg. 72 inspection frequency)

### II. GENERAL LOCATION AND DESCRIPTION OF PROPERTY

Yes	No	N/A	Report Requirements
			A. Property location
			1. Township, Range, Section and ¼ Section
			2. Discuss access, right-of-way and adjacent properties, etc.
			B. General project description, proposed land use
			C. General nature of the construction activity
			D. Schedule of the sequence of major construction activities, and the planned implementation of control measures for each phase
			E. Estimates of the total acreage of the site, and the acreage expected to be disturbed
			F. Estimated volume, in cubic yards, of excavation and fill, haul road information
			G. Summary of any existing data used in the development of the construction site plans or SWMP that describe the soil or existing potential for soil erosion
			H. Description of the percent of existing vegetative ground cover relative to the entire site and method for determining the percentage (photo, areal map)



## CHECKLIST FOR STORMWATER MANAGEMENT PLAN

City of Greenwood Village  
6060 S Quebec Street  
Greenwood Village, CO 80111  
(303) 486-5783

			I. Describe allowable non-stormwater discharges including those being discharged under the CDPHE's low-risk discharge guidance policy
			J. Description of areas receiving discharges for the site, including a description of the immediate source receiving the discharge, the name of the entity owning that system, the location of the storm sewer discharge, and the ultimate receiving water(s)
			K. Description of all stream crossings with in the construction site boundaries
			L. Describe drainage patterns
			1. Irrigation canals or ditches
			2. Wetlands on site and or near the property
			3. Existing drainage facilities on or near the site
			4. Floodplains delineated by UDFCD FHAD Studies or on FEMA FIRM Maps Site topography and slopes
			5. Describe the drainage patterns that influence the site including:
			a. Historical drainage patterns
			b. Existing drainage patterns
			c. Proposed drainage patterns
			d. Offsite drainage flowing onto the project
			M. Describe how stormwater runoff from and through the site will be designed and implemented

### III. EROSION AND SEDIMENT CONTROL MEASURES

Yes	No	N/A	Report Requirements
			A. Description of all potential pollution sources
			1. Disturbed and stored soils
			2. Vehicle tracking
			3. Management of contaminated soils
			4. Loading and unloading operations
			5. Outdoor storage of erodible materials, fertilizers, chemicals, bulk storage of materials including those 55 gallons or greater, which require secondary containment (e.g. pesticides, herbicides, detergents, fuels solvents, oils, etc.)
			6. Routine fueling and maintenance of vehicles and equipment
			7. Routine maintenance activities involving chemicals, fertilizers, pesticides, herbicides, detergents, fuels solvents, oils, etc.
			8. Significant dust or particulate generating processes



## CHECKLIST FOR STORMWATER MANAGEMENT PLAN

City of Greenwood Village  
6060 S Quebec Street  
Greenwood Village, CO 80111  
(303) 486-5783

			9. Temporary stabilization for areas that will remain inactive for 14 days or per the CDPS Construction General Permit or Regulation 72
			10. Waste management practices (waist piles, liquid wastes and dumpsters)
			11. Concrete truck/equipment washing, including washing of the concrete truck chute and associated fixtures and equipment
			12. Dedicated asphalt and concrete batch plants and masonry mixing stations
			13. Non-industrial waste sources such as worker trash and portable toilets
			14. Other non-stormwater discharges including construction dewatering not covered under the Construction Dewatering Discharges general permit and wash water that may contribute to the MS4
			<b>B. Implementation of Control Measures</b>
			1. For each control measure provide the following:
			a. Design specifications (UDFCD*) including the implementation in accordance with good engineering hydrologic and pollution control practices (e.g. details, dimensions, installation information and materials, implementation processes, control measure-specific inspection expectations and maintenance requirements
			2. When control measures are located outside the permitted area, a use agreement must be provided between the permittee and the owner or operator of any control measure located outside the permitted area, and the permittee is responsible for installation and maintenance
			3. Provide a spill prevention plan including response and reporting requirements
			4. Provide a materials handling plan
			<b>C. Final Stabilization and long-term Stormwater Management</b>
			1. Describe the practices used to achieve final stabilization of all disturbed areas at the site and any planned practices to control pollutants in the stormwater discharges that will occur after construction operations are complete.



## CHECKLIST FOR STORMWATER MANAGEMENT PLAN

City of Greenwood Village  
6060 S Quebec Street  
Greenwood Village, CO 80111  
(303) 486-5783

\* CDOT projects require the use of CDOT Erosion Control Details

### IV. APPENDIX

Yes	No	N/A	Report Requirements
			A. Provide calculations completed for design of sediment basins, diversion ditches, soils etc.
			B. Inspection reports and inspection logs in accordance with the CDPS Construction General Permit.
			C. Provide narrative of increased or decreased proposed development impervious area.
			D. Reference all criteria, reports, or other technical information used in this report.

### V. SITE MAP/EROSION AND SEDIMENT CONTROL PLAN

Yes	No	N/A	Plan Requirements
			A. Plan
			1. Title block and legend
			2. Scale, north arrow, map legend
			3. 24" x 36" in size, 22" x 34" also acceptable when half size sets will be produced
			4. Construction site boundaries, property lines
			5. Easements
			6. Existing and proposed topography at one or two foot intervals extending 100 feet beyond the property and flow arrows
			7. Areas of disturbance including areas of borrow and fill
			8. Areas used for storage of soil
			9. Location of all waste accumulation areas, including areas for liquid, concrete, masonry and asphalt
			10. Location of dedicated asphalt and concrete batch plants and masonry mixing stations
			11. Location of all structural control measures
			12. Location of all non-structural control measures
			13. Location of springs, streams, wetlands and other state waters, including areas that require pre-existing vegetation be maintained within 50 feet of a receiving water, where determined feasible in accordance with the CDPS Construction General Permit



**CHECKLIST FOR STORMWATER MANAGEMENT PLAN**

City of Greenwood Village  
 6060 S Quebec Street  
 Greenwood Village, CO 80111  
 (303) 486-5783

			14. Location of all stream crossings located within the construction site boundary
			B. Phased plans as needed including final stabilization and long-term stormwater management including all disturbed areas at the site and planned practices to control pollutants in stormwater discharge that will occur after construction operation area completed
			C. Other information as needed

<b>GREENWOOD VILLAGE STAFF USE ONLY</b>	
<b>Reviewer Name</b>	
<b>Date Reviewed</b>	
<b>Approve/Disapprove</b>	
<b>Yes/No</b>	
<b>Copy of Checklist provided to Village Stormwater Manager</b>	



## CHECKLIST FOR STORMWATER MANAGEMENT PLAN

City of Greenwood Village  
6060 S Quebec Street  
Greenwood Village, CO 80111  
(303) 486-5783

### OWNER/DEVELOPER AND ENGINEER CERTIFICATIONS

#### Owner/Developer Certification

"I hereby certify that the grading, erosion, and sediment control measures for (permit/project/development name and address) shall be constructed according to the design presented in the document. I also understand that additional erosion control, sediment control and water quality enhancements may be required of the owner or owner's agents due to unforeseen pollutant discharges or if the control measures are not functioning as intended. This plan requirements shall be the obligation of the land owner, his successors or assigns until such time as final stabilization has been accepted by Greenwood Village."

Owner or Authorized Agent: (printed name and title)

Authorized Signature:

#### Engineer's Certification

I hereby certify that this Storm Water Management Plan has been prepared by me or under my direct supervision, and to the best of my knowledge and ability, has been prepared in accordance with the latest version of the Greenwood Village Drainage Criteria Manual. However, this signed certification does not guarantee the execution of the plan by the contractor. The contractor is responsible for executing the construction work according to the information set for in this plan.

Registered Professional Engineer:

State of Colorado No:

(Affix Seal w/date)



## CHECKLIST FOR STORMWATER MANAGEMENT PLAN

City of Greenwood Village  
6060 S Quebec Street  
Greenwood Village, CO 80111  
(303) 486-5783

### CHERRY CREEK BMP REQUIREMENTS

(ONLY for projects with the Cherry Creek Reservoir Basin)

Yes	No	N/A	CCB BMP Implementation
			A. Phase Construction. Owner shall schedule construction activities to minimize the total amount of soil exposed including stockpiles, at any given time to reduce the period of accelerated soil erosion. Areas of Land Disturbance equal to 40 acres or greater must not be exposed for more than 30 consecutive days without temporary or permanent stabilization
			1. Phasing Plan showing cut and fill volumes and locations for each Phase and project totals.
			2. Earthwork quantity plan showing cut and fill volumes and location for each phase and project totals
			3. Erosion Control Plan showing specific erosion and sediment controls for each phase
			B. Reduce stormwater runoff flow to non-erosive velocities when practicable using BMPs, including but not limited to swales, roadside swales, slope diversion dikes, terracing/contouring, slope drains and check dams
			C. Protect state waters located on site from erosion and sediment damage using BMPs including but not limited to waterway crossings, outlet protection, temporary diversions and bank stabilization
			D. Control sediment before it leaves the site
			1. All stormwater runoff from disturbed areas must be managed by one sediment entrapment BMP before it leaves the site including but not limited to silt fence, filter strips, sediment basins, straw bale barriers and inlet protection
			2. Sediment tracking must be implemented to prevent tracking onto paved surfaces by using BMPs such as but not limited to grates and/or vehicle tracking control pads

Yes	No	N/A	CCB BMPs Required 14 Days After Construction Begins
			A. The following BMPs must be implemented where construction activities are not taking place for longer than 14 days shall be stabilized using BMPs such as, but not limited to mulching, erosion control mats/mats, seeding, soil binders, cover crops, and soil roughening



## CHECKLIST FOR STORMWATER MANAGEMENT PLAN

City of Greenwood Village  
6060 S Quebec Street  
Greenwood Village, CO 80111  
(303) 486-5783

			<p>B. Revegetation must be implemented where construction activity has temporarily or permanently ceased:</p> <p>1. Temporary revegetation must be implemented on disturbed area that will be exposed prior to completion of land disturbance activities (seasonal constraints may allow for temporary stabilization until planting is practicable)</p>
			<p>2. Permanent revegetation must be implemented on disturbed areas that will be exposed for more than two years or for an indeterminate amount of time.</p>
			<p>3. Schedules for stabilization may be modified based on the proximity to construction and for alternative approaches to stabilization if they can be show to have similar erosion control capabilities</p>

Yes	No	N/A	CCB Inspection/Operation
			<p>E. Phase Construction. Owner shall schedule construction activities to minimize the total amount of soil exposed, including stockpiles, at any given time to reduce the period of accelerated soil erosion. Areas of Land Disturbance equal to 40 acres or greater must not be exposed for more than 30 consecutive days without temporary or permanent stabilization</p>
			<p>4. Phasing Plan showing cut and fill volumes and locations for each Phase and project totals.</p>
			<p>5. Earthwork quantity plan showing cut and fill volumes and location for each phase and project totals</p>
			<p>6. Erosion Control Plan showing specific erosion and sediment controls for each phase</p>
			<p>F. Reduce stormwater runoff flow to non-erosive velocities when practicable using BMPs, including but not limited to swales, roadside swales, slope diversion dikes, terracing/contouring, slope drains and check dams</p>
			<p>G. Protect state waters located on site from erosion and sediment damage using BMPS including but not limited to waterway crossings, outlet protection, temporary diversions and bank stabilization</p>
			<p>H. Control sediment before it leaves the site</p>
			<p>3. All stormwater runoff from disturbed areas must be managed by one sediment entrapment BMP before it leaves the site including but not limited to silt fence, filter strips, sediment basins, straw bale barriers and inlet protection</p>
			<p>4. Sediment tracking must be implemented to prevent tracking onto paved surfaces by using BMPs such as but not limited to grates and/or vehicle tracking control pads</p>