



**City of Manitou
Springs
Stormwater
Management Plan for
Construction (SWMP)
Less than One Acre**

Date Materials Submitted

EROSION AND SEDIMENT CONTROL		Required Best Management Practice (BMPs)	Instruction	X Show on site Map	Official Use Only
	1	Prevent silt, topsoil, etc. From washing into streets, alleys, drainage easements, drainage conveyance systems and storm drains.	This is the main goal of the SWMP. Erosion Control is the preferred measure rather than major use of sediment controls		
	2	Implement and maintain erosion control BMPs to prevent the erosion and transport of sediment by water/rain runoff.	Use of straw bales, wattles, rock socks, silt fence, check dams, erosion nets, or tackifier to slow or prevent erosion. Indicate erosion control BMPs	X	
	3	Include spoil areas and staging areas as part of the project/construction site.	Indicate on map where stock/spoil piles and staging area will located and method of containment used	X	
	4	Establish permanent erosion control for all disturbed land areas related to the project activity before final occupancy of structures located thereon.	Show any permanent stormwater structures that will be built and where they are to be located, e.g. permanent drain inlet, culvert, swale, etc	X	
	5	Identify all erosion and sediment control BMPs to be installed and maintained throughout the duration of the project.	Show types and locations of BMP's to be used e.g. silt fence, straw bales, wattles, rock socks,	X	
	6	Use clearing techniques that retain natural vegetation and retain natural drainage patterns. (where feasible)	Indicate on map, areas of vegetation that will remain after grubbing and clearing	X	

	7	Stabilize soil within (14) days of clearing or inactivity in construction. Especially slopes greater than 4:1	Disturbed areas of soil must be stabilized as soon as possible. It may be necessary to use erosion nets or tackifier in the rainy season		
	8	Stabilize or cover soil stockpiles at the end of EACH workday.	If stockpiles cannot be covered each day, controls must be used to prevent runoff, e.g. silt fence or straw bales around the perimeter		
	9	Employ wind erosion techniques to prevent the blowing of dust or sediment from the site.	Silt fence around the perimeter of the work area, outside the dig area works well for this	X	
	10	Employ techniques that divert upland runoff past disturbed slopes. (where necessary)	Diversion channels or earthen berms can be used to divert runoff around disturbed areas. Indicate these on the map	X	
	11	Provide sediment controls in the form of settling basins, sediment traps or tanks, and perimeter controls. (where necessary)	Temporary sediment traps can be located at the lower most point of the site. Indicate the type and location of traps	X	
	12	Protect adjacent properties by the use of a vegetated buffer strip, silt fence, fiber rolls or other BMP perimeter controls.	Indicate on map, the location and type of control measure to be used. Vegetated buffers are the preferred method	X	
WASTE MANAGEMENT POLLUTION PREVENTION AND	13	Install and maintain a vehicle tracking pad per City of Manitou Springs standards for design and construction. Illustrations available from Stormwater Manager.	A vehicle tracking pad is mandatory. Contractors will be fined or charged for street cleaning by the City. Indicate tracking pad location on map	X	
	14	Keep solid waste materials in either a container or an enclosed waste collection area on site.	Indicate on map, the type of container used and the location, e.g. dumpster, etc. Containers must be covered when not in use	X	
	15	Store chemicals, paint, petroleum, fertilizer and pesticides in a covered enclosure.	All of these items need to be stored indoors or in an approved outside storage.		
	16	Concrete form oil must be applied in a manner that prevents potential stormwater pollution	Forms should be placed on tarps away from storm drainage prior to spraying		

17	Contain concrete washout water on site in a designated washout pit, and remove and properly dispose of concrete residue at conclusion of construction.	It is preferred that washouts are performed at the batch plant. Chutes may be washed in a designated washout pit on site but residue must be removed at the end of project. Indicate location on map	X	
18	Locate sanitary waste facilities a minimum of 15 feet from storm drain inlets and receiving water bodies.	Outhouses must also be staked or sand-bagged to prevent tip over. Indicate outhouse location on map	X	

X Indicates BMP item to be shown on SWMP Plan Map

All BMPs must be in place and inspected prior to any soil disturbance or Grading Permit issued

The SWMP Administrator is the person responsible for executing and maintaining the SWMP plan and the associated BMPs

SWMP Administrator (Print) _____

(Sign) _____ **Date** _____ **Phone** _____

Stormwater Division Approval

(Print) _____

(Sign) _____ **Date** _____

Title _____

Planning Department Approval / Release of Grading Permit

(Print) _____

(Sign) _____ **Date** _____

Title _____

GRADING PERMIT # _____ **Effective Until:** _____