



Indiana Department of Environmental Management

Protecting Hoosiers and Our Environment Since 1986



SWP3 Plan Review

C Section: CSGP Standards

Indiana Department of Environmental Management
Office of Water Quality
Surface Water and Operations Branch
Stormwater Program



Post-construction is not required for:

- Land-disturbing activities where there will be no additional impervious surfaces added.
- Single-family residential developments of four lots or less.
- Individual building lots within a permitted project site.
- Single family residences and private ponds that are not part of a larger common plan of development or sale.

Off road courses or other sites that will remain disturbed in perpetuity, must utilize post-construction measures to control sediment and other pollutants that may be associated with the post-construction land use.



C1- Description of pollutants and their sources associated with proposed land use

- Plans should include narrative description of final land use and expected pollutants/their sources of these pollutants generated by this type of land use
 - Common pollutants include Oil, grease, antifreeze, brake fluid, brake dust, rubber fragments, gasoline, diesel fuel and other hydrocarbons, metals from vehicular and other sources, grit from wearing of the road surface, trash, improper disposal or storage, and elevated receiving water temperatures from stormwater run-off





C2- Description of proposed post-construction stormwater measures

- The plan should include:
 - a description of how the project is designed to minimize post-construction pollutants
 - How the post-construction stormwater measures will manage the quality and quantity of stormwater discharges from proposed site



C2- Description of proposed post-construction stormwater measures

- Post-construction measures may include:
 - Retention and detention basins
 - Bio-retention
 - Vegetated swales
 - Infiltration systems
 - Commercially available treatment systems
- The run-off rate of stormwater run-off and/ or volume from the project site must meet local requirements to address stormwater quantity as established by ordinance or other regulatory mechanism.
- If a local requirement does not exist, the post-development discharge must not exceed the pre-development discharge based on the two-year, ten-year and one-hundred-year peak events.



C3- Plan Details of each stormwater measures

- All proposed post-construction stormwater measures should be clearly located on the plan
 - Including dimensions, specifications and construction details





C4- Sequence describing stormwater measure implementation

- Provide a sequence of when the propose post-construction stormwater quality measures will be installed.
 - Consider post-construction measures, like basins or ponds that can be utilized during construction for sediment control.
- If the measure is dual purpose (construction and post-construction) this should be identified in the sequencing for construction and how and when it will be modified for post-construction.
- If a post-construction measure that does not tolerate sediment impacts is installed early in the construction phase, appropriate sediment control measures and management practices should be implemented to ensure that it is not inundated with construction phase sedimentation.



C5- Maintenance guidelines for proposed post-construction stormwater measures

- Provide an operation manual and where applicable a narrative description of the maintenance guidelines for all post-construction stormwater measures to facilitate their proper long-term function.
- This documentation must be made available to future parties who will assume responsibility for the operation and maintenance of the post-construction stormwater measures.
- All proposed measures must be accompanied by guidelines for monitoring and maintenance.
- If manufactured products are utilized, the manufacturers operation and maintenance manual/guidance may be referenced and is acceptable.



C6 - Entity that will be responsible for operation and maintenance of the post-construction stormwater measures

- If known, the plans should also identify the parties or individuals that will be responsible for the future long-term maintenance of the post-construction measures. Identification does not need to be a name of an individual but should include the entity that will assume responsibility. This may include, but is not limited to the project site owner, governmental entity, or a homeowner's association.



Questions?

