

Key Terms

BMP- Best Management Practice.

Credit- BMP features that provide a reduction in the amount of storm water that needs to be treated. This “credit” will be determined based on evapotranspiration rates and rainwater interception.

LID- With respect to storm water concerns, Low Impact Development (LID) is defined as a design strategy to maintain or reproduce the way storm water infiltrates or runs off the site before development occurs. LID principles control storm water runoff by using small scale landscape based features that are distributed throughout the site. Projects designed following LID principles must maintain the undeveloped volume of storm water runoff and mimic the natural water balance through infiltration, evapotranspiration, or capture and reuse of storm water.

MS4- Municipal separate storm sewer system.

NPDES- National Pollutant Discharge Elimination System.

Subdrain- Perforated pipe, or other water collection system, that is placed at the bottom of a treatment BMP to collect all treated storm water and prevents infiltration that would otherwise occur.

Volume Capture- The increase in volume of runoff due to development that is required to be infiltrated, or reused, on site.

$$V_{\text{post}} - V_{\text{pre}} = V_{\text{increase}}$$

$$V(\text{cf}) = (0.08')(c)(k)(A)(43,560) \leftarrow \text{From SUSMP Manual pg 4-13}$$