



City of Oskaloosa

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Letter of Preference: Post-construction Stormwater Treatment Practice [for jurisdictions where a Storm Water Design Manual is not in place]

Stormwater Treatment Practice: measures, either structural or non-structural, that are determined to be the most effective, practical means of preventing or reducing point source or nonpoint source pollution inputs to stormwater runoff and water bodies.

Created by: Liz Finarty, P.E., City of Oskaloosa

Received by: Garden and Associates, LTD. and any engineers planning work within the Oskaloosa jurisdiction.

Objective: To notify site designers working in the jurisdiction of a preference by the jurisdiction for a particular storm water treatment practice.

Stormwater Treatment Practice: Vegetated swales preferred downstream of storm water runoff outlets, pipes, and culverts (and hard armor use minimized). This practice supports all bio-retention/filtration type practices as part of a tool box of vegetated, 'green' solutions for reducing, filtering, and preventing runoff pollution.

Low-maintenance vegetated swales improve aesthetics, filter pollutants, reduce velocity, recharge groundwater, and help to achieve our Phase II minimum requirements. The vegetation in these swales would be reinforced, as needed, by ScourStop transition mats (or equal) at potential scour areas, and turf reinforcement mats (TRMs) in the channels.

1. Hard Armor Best Management Practices (BMPs) are a last resort for design flows greater than the performance levels of reinforced vegetation. The jurisdiction is attempting to get away from rock rip rap at outfalls.
2. 'Or equal' is defined by the performance standards (velocities and shear stresses) of ScourStop transition mats in independent and third party verification testing. The proposing party must provide this performance data at their own cost.
3. NPDES Phase II Minimum Requirement # 5. Post-Construction Storm Water Management. The permitted MS4 is required to develop, implement, and enforce a program to address discharges of post-construction runoff and **specifies appropriate storm water best management practices.**

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