



ENGINEERING

August 10, 2010

TO: Civil Engineers, Planners, Developers and Customers of City Engineering
FROM: Cam McNair, PE – City Engineer 
RE: Drainage Criteria Manual, Volume 2, Addendum #2 (Sediment and Erosion Control BMPs)

In an effort to provide the development community with greater options for erosion control, City Engineering staff has prepared a second addendum (Addendum #2) to the Drainage Criteria Manual, Volume 2 (Manual). The City recognizes that stormwater regulations and best management practices (BMPs) continue to evolve, and the Manual needs to be flexible to allow for innovative BMPs on a pilot scale basis with the potential for being added to the list of approved sediment and erosion control (temporary) BMPs. This addendum provides the process to test innovative or alternative sediment and erosion control BMPs.

Addendum #2 also increases the current selection of approved sediment and erosion control BMPs by allowing the use of Urban Drainage and Flood Control District's (UDFCD) erosion and sediment control temporary BMPs with exception of the vehicle tracking control BMP. The toolbox of BMPs are found in the UDFCD approved Drainage Criteria Manual, Volume 3 (chapter titled Construction Best Management Practices). This approval is temporary and may be modified with the ongoing update of the City's Drainage Criteria Manual.

Although not addressed within the addendum, the City is also modifying the frequency schedule for city performed compliance inspections. Details of this change will be documented in internal inspection procedures.

Please call Lisa Ross at 719-385-5064 with any comments or questions.

Attachment: Addition to Section 3.2 of the DCM, V2

THE CITY OF COLORADO SPRINGS DRAINAGE CRITERIA MANUAL, VOLUME 2,
ADDENDUM NO. 2 – ALTERNATIVE OR INNOVATIVE
BEST MANAGEMENT PRACTICES

Addition to Section 3.2 of the DCM, V2 (dated November, 2002):

Use of Alternative or Innovative Sediment and Erosion Control (Temporary) BMPs

The toolbox of sediment and erosion control BMPs continues to expand with alternative and innovative BMPs that become available. Many of these temporary BMPs may prove to be effective and potentially even exceed the performance of the City approved BMPs. In recognition of this, the City Engineer may allow the implementation of temporary erosion and sediment BMPs beyond those on the recommended list (Section 3.2 and 3.3). Alternative or innovative temporary BMPs will be used on a limited scale and be evaluated as a pilot program.

Requests to use alternative or innovative temporary BMPs must be submitted with the Grading Plan and Erosion and Stormwater Quality Control Plan. To facilitate discussions and expedite the process, it would be helpful for the project proponent and City Engineering to have initial discussions on the proposed temporary BMP prior to submitting the Grading Plan and Erosion and Stormwater Quality Control Plan. The proposed BMP(s) must be clearly identified as a proposed pilot BMP on the plan and adequate evidence must be given to the City Engineer that demonstrates that the BMP will effectively control sediment and/or erosion. The plan must include complete design details, comprehensive installation and maintenance details, and cost estimates for financial assurance calculations. The City Engineer may request additional information to evaluate the use of this BMP. The information submitted will be used by the City Engineer to determine if a pilot program will be allowed. The City Engineer reserves the right to deny the use of any proposed BMP. Pilot programs will not exceed 12 months in duration. Financial assurances will be required for the pilot BMPs.

The City Engineer can require the removal of alternative or innovative temporary BMPs if the BMPs fail to perform adequately in the field. In this situation, the City Engineer will require installation of other City recommended BMPs to control erosion and sediment on the site and the Grading Plan and Erosion and Stormwater Quality Control Plan must be updated to reflect the BMP changes. Modifications to correct deficiencies shall be made immediately.

Successfully implemented alternative or innovative BMPs will be considered by the City after thorough evaluation for possible inclusion in the City's list of recommended BMPs with future revisions to the DCM, V2. The City also reserves the right to remove recommended BMPs if in the future it is determined that they are not providing adequate protection.

Addition to City's List of Recommended Sediment and Erosion Control (Temporary) BMPs

The City of Colorado Springs has initiated a process to update the City's drainage criteria manuals with scheduled completion of the manuals in 2011. An updated list of recommended BMPs will be included with the DCM, V2 manual revisions. In the interim, the City is temporarily approving the use of erosion and sediment control temporary BMPs (with exception of the vehicle tracking control BMP) that are recommended in the Urban Drainage and Flood Control

District's (UDFCD) approved Drainage Criteria Manual, Volume 3 (chapter titled Construction Best Management Practices). Waterway protection BMPs included in the Construction Best Management Practices chapter of the UDFCD Volume 3 manual are also now a requirement of the City. The City will include a section on water protection BMPs in the City's revised DCM, V2.

UDFCD recommended BMPs proposed for use must be clearly labeled on the Grading Plan and Erosion and Stormwater Quality Control Plan. Details must reference the UDFCD manual and all maintenance and installation requirements must be shown.

The City reserves the right to include or remove any of the UDFCD recommended BMPs in the City's revised DCM, V2.

Minor field modifications to approved temporary BMPs are allowed per Section 3.2 of the DCM, V2. This could include such things as minor changes to design or changing to a different approved BMP. The City Engineering Inspector will evaluate and determine if the minor change is acceptable. The owner/contractor must show the changes on the on-site Erosion and Stormwater Quality Control Plan.