

# Memorandum



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**To:** COIC Stormwater Committee  
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**Date:** May 22, 2007  
**Subject:** Final Modifications to COSM  
**Project No.:** 30722

The following modifications were made to the Central Oregon Stormwater Manual (COSM) in response to comments received during the public review process. All comments received were reviewed by the COIC Stormwater Committee and the changes noted below reflect the committee's direction to Otak in producing the final manual.

## Modifications to the COSM in Preparing the Final Manual

- Change design storm from SCS/NRCS Type II, 24-hour event to SCS/NRCS Type I, 24-hour event (affects multiple chapters).
- Recognize Central Oregon Community Investment Board as a partner in the COSM.
- In Chapter 2, adjust redevelopment thresholds. Redevelopment sites will be subject to the COSM when adding or replacing 5,000 square feet or more impervious surface. Local jurisdictions have the option of applying the COSM requirements to sites that convert to a more intense use.
- In Chapter 3, simple partition plats from the list of projects requiring a drainage submittal. The applicability bullets should match those in Chapter 2. Drainage submittals will still be required for partition plats that include grading and/or development above the impervious or total area thresholds.
- In Chapter 3, require Concept Drainage Reports (CDRs) for projects in wellhead protection areas; clarify wording describing where CDRs are required.
- In Chapter 3, add guidance to indicate the distance of the downstream/down-gradient analysis.
- In Chapter 5, allow designers to use "Other hydrologic methods appropriate to the site conditions as approved by the local jurisdiction."
- Delete references to sites requiring phosphorus treatment, as nitrogen is more of a concern than phosphorus in Central Oregon water bodies.

- In Chapter 7, delete restriction prohibiting use of detention facilities to reduce peak flow into infiltration facilities. Detention facilities may be a viable option when using drywells as the ultimate discharge point.
- In Chapter 8, explicitly restrict discharge of stormwater to irrigation canals without approval from the irrigation district and state regulating agencies.
- In Chapter 10, add employee training as an operational BMP for vehicle and equipment maintenance areas and fueling areas.
- Add additional resources on Low Impact Development to Appendix 11C.
- Minor wording changes to clarify intent throughout the COSM.
- Correct minor grammatical and typographical errors.