

PIMA COUNTY REGIONAL FLOOD CONTROL DISTRICT TECHNICAL POLICY

POLICY NO.: Technical Policy, TECH-007

EFFECTIVE DATE: August 1, 2013

POLICY NAME: Design Standards for Detention Basins - Interim Adoption of Chapter 4 of the draft version of the *Design Standards for Stormwater Detention and Retention for Pima County*, an update of the Pima County/City of Tucson Stormwater Detention/Retention Manual.

PURPOSE: To allow for interim use, prior to adoption by the Board of Directors for the Flood Control District, of Chapter 4 of the draft version of the *Design Standards for Stormwater Detention and Retention for Pima County*.

BACKGROUND: Chapter 16.48 of the Ordinance, entitled RUNOFF DETENTION SYSTEMS, requires any new development to provide some method of peak or volumetric runoff reduction. The amount of reduction is stipulated within the Pima County/City of Tucson Stormwater Detention/Retention Manual (SWDRM). The Pima County Regional Flood Control District (District) has proposed a revision of the SWDRM which is currently under review by the Flood Control District Advisory Committee and community stakeholders. The revised manual, *Design Standards for Stormwater Detention and Retention for Pima County (Design Standards)*, includes replacement of the threshold retention requirement with a first flush retention requirement for retention of the first 0.5 inch of rainfall; introduces use of Low Impact Development (LID) practices; specifies acceptable methodologies for analysis of peak discharge reduction; and specifies design standards for traditional detention systems, retention basins and LID practices. Chapter 4 of the draft manual presents design standards for traditional detention systems. Many of the construction design features of detention basins are not specified in the SWDRM; therefore, the interim use of Chapter 4 of the draft manual will provide design guidance to the development community while allowing additional input from stakeholders regarding its functionality, clarity and effectiveness prior to formal adoption by the Board of Directors for the Flood Control District.

The Draft Chapter 4 has been reviewed by stakeholders and approved for interim use by the Flood Control District Advisory Committee on July 17, 2013. During these discussions, the District committed to reorganizing the inspection and maintenance provisions into a single chapter. The interim use of Chapter 4 of the draft manual will apply to the construction standards, and not to the need for inspection and maintenance checklists.

POLICY:

When detention is required, applicants shall apply the construction standards found in Chapter 4 of the draft manual entitled, *Design Standards for Stormwater Detention and Retention for Pima County (Design Standards)*, to detention basin design, as applicable.

APPROVED BY:



Suzanne Shields
Director

Date 7/31/2013

Original Policy Approved: March 9, 2006

Date(s) Revised: