

## Chapter 1

104.7 The City of Mesa has published a Low Impact Development Toolkit, available on the internet at <http://www.mesaaz.gov/residents/environmental>. The Toolkit is a guideline for the use of sustainable stormwater management tools. Designers are encouraged to employ sustainable stormwater management methods where appropriate and compliant with City Code and adopted development standards. Tools presented in the toolkit are conceptual; the details of their application shall be reviewed and approved on a per project basis.

## Chapter 8

806.1 This section discusses the requirements and provides the criteria for storm water management of the on-site portion of the proposed private land development site, exclusive of public street right-of-way whether internal in the development or adjoining the project site. Use of Low Impact Development Toolkit techniques are encouraged where appropriate and compliant with City Code and the requirements herein.

806.1.1 Low Impact Development techniques which are not included on the City of Mesa’s approved products lists or in the City’s standard details and specifications are considered specialty items. For such items, detailed design drawings, including product data, must be approved by the City of Mesa (including approval by the City departments that own, operate, or maintain such items, where applicable). In addition to the required drainage calculations/report, the City may require the applicant to submit detailed design calculations sealed by a registered professional engineer properly licensed to practice in the State of Arizona. City approval of the submittal and any required supporting calculations must be obtained prior to permit issuance.

806.7 **Runoff Coefficients:** The City of Mesa uses the following runoff coefficients for the rational method:

<b>Table 8.1 - Composite Runoff Coefficients</b>	
Turf (grass) Landscaping	C = .15
Desert Landscaping (Undeveloped or without impervious underlying liner (plastic, etc. . .))	C = .50
Desert Landscaping with impervious liner	C = .70
Asphalt Pavement or Asphalt Tiled Roofs, <b>Permeable Paving</b>	C = .85
Concrete Surfaces or Tile Roofs (clay, concrete, etc.)	C = .95

806.16 **Surface Storage:** Where surface storage of the required retention is planned or provided (i.e., the ~~traditional~~ retention basin or vegetated swale), the basin(s)/swales shall comply with the following subsections.