



**PIMA COUNTY
WASTEWATER MANAGEMENT DEPARTMENT
DIRECTIVE**

Directive: ENG2005-05

Effective Date: September 1, 2005

SUBJECT: MAINTENANCE VEHICLE ACCESS WITHIN CUL-DE-SACS

STATEMENT OF PURPOSE

This Directive clarifies the sewer maintenance vehicle access requirements for cul-de-sacs. The current outside radius for a cul-de-sac does not provide sufficient space for sewer maintenance vehicles to navigate a turn-around in one circular motion. The Pima County Subdivision and Development Streets Standards allow a 42 feet minimum radius (Standard Cul-de-Sac Detail 3.3 and Cul-de-Sac Landscaping Detail 3.5). A combination cleaner has an extended front end, which is restricted from overhanging the curb, due to mailboxes and other curb features. These obstructions past the plane of the asphalt, require the vehicle to navigate a three-point turn within a cul-de-sac. The presence of parked vehicles and installation of cul-de-sac islands make the navigation dangerous and potentially unachievable.

GENERAL PROVISIONS

1. When a public sewer is located in a street (public or private) with a cul-de-sac, reasonable access for turning around must be provided for sewer maintenance vehicles.
2. Islands are not permitted within cul-de-sacs, unless the road surface dimensions provide for an unimpeded 35-foot inside radius, and a 55-foot outside radius as described in WWM 109.

AUTHORITY

Federal Regulations, Arizona State Regulations, Pima County Ordinances and other enabling legislation which affect the collection, conveyance, treatment, and control of sanitary sewage.

PROCEDURE

Sewer design documents, transportation design documents, neighborhood improvement projects, and other development documents shall reflect this requirement.

PROCEDURAL RESPONSIBILITY

The Chief Engineer of Pima County Wastewater Management, and/or designated representative(s), are responsible for the enforcement of this Directive and the associated Standards.

RECOMMEND

Eric Wieduwilt, P.E.
Chief Engineer- Engineering Division

CONCUR

Paul M. Bennett, P.E.
Deputy Director- Planning/Engineering

APPROVED

Mike Gritzuk, P.E.
Director- Pima County Wastewater Management

Date: 9/13/05