



## Legislation Text

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**TO:** Mayor Bien-Willner and Town Council Members

**FROM:** Jill Keimach, Town Manager  
Paul Mood, Town Engineer

**DATE:** October 22, 2020

**DEPARTMENT:** Engineering

**AGENDA TITLE:**  
**Discussion of Storm Water Management Regulations (Curbing)**

**SUMMARY STATEMENT:**  
Background

At the January 30, 2020 Town Council Development Retreat meeting staff was asked to provide additional information on curbing as it relates to storm water regulations. Depending on the type, curbing may be an effective tool in the management of storm water as it can help direct runoff to natural drainageways, reduce erosion and asphalt deterioration. Vertical or rolled curbs, however, may inadvertently impact properties downstream if they redirect historical flows.

In June of 2018 the Storm Drainage Design Manual was adopted under Section 5-10-3 of the Town Code. The Storm Drainage Design Manual includes regulations for street drainage and provides for hydraulic design criteria for new roadways or projects that make major improvements to existing roadways. Many of the street drainage requirements were included in the 1987 Storm Drainage Design Manual as well as the Maricopa County Drainage Design Policies. The Town's General Plan also includes cross sections for major arterial, minor arterial, collector and residential roadways including the types of curbing required.

New residential properties or properties undergoing major remodeling with a building permit value of \$500,000 or more are required to construct half-street improvements per Town Code Section 5-10-8, F. The half-street improvements are required to meet the General Plan roadway cross section requirements including curbing as needed. Existing properties desiring to add vertical or roll curb for storm water protection may apply for a right-of-way permit through the Engineering Department. As part of the permitting process a drainage report is required to ensure that the proposed curbing will not adversely impact downstream properties.

**BUDGETARY IMPACT:**  
No anticipated impact at this time.

**ATTACHMENT(S):**

Attachment A - PowerPoint Presentation

Attachment B - Storm Drainage Design Manual Section 5-3

Attachment C - General Plan Circulation Map & Roadway Cross Sections