

Asset Management and Planning - New Development Policies	Date: June 30, 2010
Category: Water Main Extensions	Revised:
Subject: Specifying Water Main Size	Pages: 1 of 1

Background

A Developer installing a water main extension to provide water service to a new parcel will ultimately transfer ownership and maintenance responsibility of the water main to the District. The responsibility for specifying the size for the water main extension will therefore be the District's. The guidelines that the District uses to determine the main size are noted in this policy.

Criteria for Determining Water Main Size

A water main extension is typically required when a parcel seeking a water service line does not have deeded frontage on a right-of-way containing a public water main. The size of the water main shall be determined by the District in the study or design phase of a project, when possible.

The District uses the following general guidelines when determining the water main size for an extension:

1. 16-inch diameter and greater: Water main extensions requiring pipes of this size will be specified in industrial areas where the need is required by the Developer or when the District requires an increase in capacity to serve the needs of future extensions that may be located beyond the limits of the project seeking service. At the request of the Developer, the District will make a determination on whether to contribute towards the material cost difference between 12-inch diameter pipe and the pipe specified by the District (if specified for future growth). The conditions for this payment are noted in the "PWD Financial Contribution to Main Extensions" policy.
2. 12-inch diameter: The District will specify this pipe size in areas of industrial or commercial development or in significant rights-of-way that are deemed necessary to support the domestic and fire protection needs of the water system.
3. 8-inch diameter: The District will specify this pipe size in areas of residential development where normal domestic and fire protection needs are expected to be encountered.
4. 4-inch diameter: The District will specify this pipe size in areas of residential development where domestic water needs are limited and where existing and future fire protection needs are not expected.
5. 2-inch diameter and less: The District does not typically specify pipe of this size, but may require it in areas of very short extensions where water quality concerns could be encountered.