



Water and Wastewater Services
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This document approved by the Broward County Office of
Environmental Services Technical Standards Committee.

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GUIDELINE FOR MINIMUM FORCE MAIN SIZING

Date Issued: January 3, 2005

Date Previously Issued: None

Date First Issued: January 3, 2005

The minimum force main size for most circumstances is 6-inches. However, 4-inch force mains will be considered on a case by case basis if two conditions exist:

1. Force main length is less than 1000 feet; and
2. Future flow through the force main (as determined by the Water and Wastewater Engineering Division) is less than 200 ERU (120 gpm peak flow).

If a 4-inch force main is allowed, pumps will be sized to deliver the peak flow or 100 gpm, whichever is greater, in order to have at least 2.5 fps velocity in the force main. If the pump selected is 3 horsepower, a 4-foot diameter lift station wet well will be used in lieu of the otherwise 6-foot minimum diameter wet well.