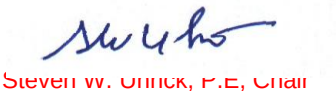
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GUIDELINE FOR MINIMUM FORCE MAIN SIZING

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Steven W. Olrick, P.E, Chair

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.