

COUNTY OF STAFFORD
DEPARTMENT OF UTILITIES
WATER AND SANITARY SEWER SYSTEM FLOW ANALYSIS APPLICATION

Requests for Water and Sanitary Sewer System analysis must be made using this form and prior to submission of plans. The following information must be submitted:

Project Name: _____

Project Location: _____

Proposal Type (SF, TH, MF, C): _____

Number of units or Square Feet of Commercial: _____

Distance between Buildings (if residential): _____

Point(s) of Connection (Node or MH #): _____

Attach a vicinity map indicating the location of the proposed connection(s) to the existing County Water and or Sanitary Sewer System.

The County will provide modeled sewer flow results and a pump curve at the point of connection to water. The design engineer is then responsible for calculating the onsite conditions and submits the hydraulic results to county for review.

The water system flow analysis must include the allocation for **required domestic demands** plus fire flow demand at each hydrant. For fire demands, the pressure at the demand hydrant cannot be less than 20 psi at any point within the on- or offsite nodes. For domestic demands, the system must be able to supply a minimum of 45 psi to the first floor of each building of the proposed project during a peak hour demand. The analysis must be signed and sealed by a professional engineer.

Requested by: _____

Firm Name: _____

Address:

Telephone: _____

E-Mail:

Please forward your request to cwright@staffordcountyva.gov