CITY OF NEWPORT NEWS
WATERWORKS DEPARTMENT
700 Town Center Drive, Suite 400
Newport News, Virginia 23606-4700
Tele: (757) 926-1101 or (757) 926-1130 Fax: (757) 926-1205

REQUEST FOR PRELIMINARY WATER PIPELINE DESIGN

I. Project Information:

Project Name:_____

Project Address:_____

Section/Phase:_____ City/County:_____ ADC Map Grid:_____

Zoning Category: Residential:_____ Commercial:_____ Industrial:_____

Submitted by:_____

Developer:_____

Contact Person:_____

Address:_____

_____

Tele:_____ Fax:_____ Email:_____

Developer's Agent/Engineer:_____

Contact Person:_____

Address:_____

_____

Tele:_____ Fax:_____ Email:_____

II. Water Meter(s) / Fire Sprinkler(s) / Fire Hydrant Request:

The design flow (average and maximum) and residual pressure, for the requested water meter(s) and fire sprinkler(s), shall be provided by the developer or developer's agent/engineer.

METERS	DOMESTIC, COMMERCIAL, INDUSTRIAL			FIRE SPRINKLERS		IRRIGATION OR OTHER	
SIZE							
QUANTITY							
AVG. FLOW (GPM)				----	----		
MAX. FLOW (GPM)							
RES. PRESS. (PSI)							

☐ **Fire Hydrant Installation Only** ☐ **Water Pipeline Adjustment**

It is the developer's engineer responsibility to meet code requirements for backflow prevention and should be reviewed by the local Codes Department for construction approval. Waterworks inspects sites annually after construction for compliance. Waterworks' Backflow Prevention Inspection section can be reached at (757) 234-4888, to answer specific questions.

(Pink Form)

III. Criteria

A. Provide an overall/master plan of the project and one (1) copy of the site plans.
B. Show the proposed boundary area(s), phase lines, and/or limits of construction of the project on the drawings (e.g. Phase I, Phase I – Section I, Phase I – Section I – Parcel A, etc.)
C. Show the proposed water pipeline and all existing utilities on the drawing (i.e. sanitary sewer, storm sewer, gas, telephone, electric, water pipeline, cable TV, etc.).
D. Provide plan drawings with horizontal scale no less than 1"=40' (City), 1"-50' (County)
E. Additional Items to be shown on plan: north arrow, parking areas and sidewalks, distances to nearest existing hydrant(s) and cross street(s), vicinity map, buildings, and property lines, typical road cross section, pertinent topographical information, and adjacent R/W to project site.
F. If the agreement is to allow a private contractor to install water and service pipeline, then existing meter(s) and/or the proposed location/relocation of each meter requested should be shown on the site plan.

OFFICE USE

I. Logged in by: _____ Date: _____

II. Fire Department Approval:

A. No. of New Hydrants Required for Overall Project: _____ For this Section / Phase: _____
B. Required Fire Demand for Project: _____ @ 20 psi
C. Comments: _____

_____

_____

D. Approved by: _____ Date: _____

III. Technical Review:

A. Hydraulic Calculations by: _____ Date: _____
1. Computed Domestic Demand: _____ gpm avail @ _____ psi
2. Computed Sprinkler Demand: _____ gpm avail @ _____ psi
3. Computed Fire Demand: _____ gpm avail @ _____ psi
4. Computed Maximum Available Fire Demand: _____ gpm avail @ 20 psi
5. Fire Flow: Hyd. No. _____ Static _____ psi Residual _____ psi
Hyd. No. _____ Pitot _____ psi Nozzle Size _____ inch
Date _____ Total Flow _____ gpm Amount Avail. @ 20 psi _____ gpm

B. Design Approved by: _____ Date: _____
1. Proposed Pipeline Sizes/Lengths (Estimated): _____

_____

C. Individual Meter: Size _____ Approved _____ Not Approved _____
D. Comments: _____

_____

_____

IV. Design Returned to:

_____

Date: _____ Released By: _____

cc: Local Jurisdiction
Developer
Engineer