



ARLINGTON
VIRGINIA

WATER/SEWER ENGINEERING SECTION
PHONE (703) 228-3677

WATER & SEWER SERVICES

INFORMATION & APPLICATION PACKAGE

REVISED
MAY 2018

MAY 2018

Dear Customer:

Thank you for taking the time to read this information package. We hope you will find it to be a useful tool to help you in doing work in Arlington County.

We hope you find this information and application package a helpful and easy to use reference for obtaining water and sewer service. If you have any comments or questions, please call us at (703) 228-3677.

Sincerely,

Water/Sewer Engineering Staff

Requirements for Obtaining New Water Service Connection

1. Customer must fill out an application and pay the water service connection fee and water/sewer infrastructure availability fee in Suite 800, #1 Court House Plaza, 2100 Clarendon Boulevard. A copy of the approved plan showing the proposed meter location must accompany the application. A new water service is required for all proposed construction that requires a separate service. Limited reuse of an existing service is allowed in cases where the service is less than 10 years old and appropriately sized for the new building as determined by Arlington County.
2. If a new water main in the street is required to serve the building, it must be installed and approved for service. This includes chlorination, pressure testing and bacteriological testing. Arlington County allows developers to install water services from developer installed water mains.
3. If a new sanitary sewer main in the street is required to serve the building, it must be installed and approved for service. This includes alignment inspection and infiltration tests.
4. Construction and maintenance of sewer services (sanitary laterals) from the building to the sanitary sewer main are the responsibility of the property owner and must be in place and approved for service by the Inspection Services Division.
5. For water service 2-inches or smaller, the curb and gutter at the proposed meter location must be in place with a stake in the ground marking the proposed location of the meter behind the curb. The meter location must agree with that shown on approved building plans, and the area must be clear and finished to grade. The contractor must mark with stake in the ground the location of existing sewer lateral.
6. For water service 3-inches or larger, to be installed in a vault, the curb and gutter, if not existing, shall be adequately staked out by the developer to allow for proper meter installation by the County. The vault location must agree with that shown on the approved building plans, and the area must be clear and finished to grade.
7. After installation of the water service and meter crock by the County, the customer's plumber shall connect to the owner side of the meter.
8. After the customer's plumber has connected the water service from the building to the customer side of the meter, the customer shall call the Department of Environmental Services at 703-228-6570 and request for the water service to be turned on.
9. For house additions in which an upgrade of the water service is required, (refer to Section C of the Residential Building Permit Application), the applicant is responsible for upgrading the water service line from the house to meter box prior to installation of the water service by Arlington County.

FIRE FLOW TEST POLICY

1. EFFECTIVE JULY 1, 2008, A \$300 fee is charged by the County to perform a fire flow test. This fee is charged to meet costs incurred by the County in performing the test.
2. If recent (less than one year old) fire flow test information is available in the County's files in the vicinity of the desired test location, the information will be provided to the applicant at no charge.
3. If it is determined that a new fire flow test is needed, a written request and an appropriate fee must accompany the fire flow test request from the applicant prior to the commencement of the test.

FIRE HYDRANT PERMIT POLICY

From the **Arlington County Code, Chapter 8.1, Fire Prevention Code (Updated 9-2011)**:

8.1-11. Penalty and continuing violation.

(a) Any person, owner, firm, entity, or corporation who violates any section of this Ordinance . . . shall . . . be guilty of a violation of this Ordinance and shall, upon conviction, be punishable as a Class 1 misdemeanor . . . including by imprisonment for not more than twelve (12) months and/or a fine of not more than \$2500.00. Each day that a violation continues after service of notice . . . shall be deemed a separate offense.

901.8. Removal of or tampering with equipment. Add the following 901.82.

901.8.2. Fire hydrants, fire department connections and water mains. It shall be unlawful for any person to open, use, tamper with, damage or destroy any fire hydrant, valve, fire department connection or water main within the County limits, except that fire departments may use such hydrants for fire fighting or training purposes. Such hydrants may be used by a person who has obtained a permit for such use from the public authority or utility having jurisdiction over the fire hydrant or water lines.

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1. Fire Hydrant Permits are issued by the Department of Environmental Services on a limited basis. Call 703-228-3678 to set up an appointment.
 2. Fire Hydrant Permits will only be considered for work related to approved Demolition, Building, Right-Of-Way, and VDOT permits, or tasks associated with current Arlington County contracts.
 3. Fire Hydrant Permits will NOT be issued to fill pools, for car washes, to irrigate landscaping on private property, when an existing metered water source is available, or if vehicular/pedestrian traffic obstructions will be created.
 4. The basic fee is \$300.00 for 3 months or any portion thereof. In cases where a hydrant meter would be required for high usage and/or discharges to the sanitary sewer system, the current water and sewer billing rates will apply.
 5. The applicant shall supply and install an ASSE-1013 approved, reduced-pressure, backflow prevention (high hazard) device per the Arlington County Plumbing Code.
 6. The contractor is responsible for dechlorinating all water – regardless of the concentration. All superchlorinated water requires a dechlorination plan that shall be approved by Arlington County on a case-by-case basis.
 7. Any remaining time on a Fire Hydrant Permit shall be voided when the applicable job has been completed or if any associated work permits/licenses/documents expire or become invalidated.

Contact Information

For more information or to obtain a Fire Hydrant Permit, please contact (703) 228-3678.

**RATES AND FEES
EXCERPTS FROM THE ARLINGTON COUNTY CODE
CHAPTER 26, UTILITIES**

§ 26-7. Water-sewer rates and fees.

Base: The charge for water-sewer service shall be based on the consumption of water as reflected by periodic readings of water meters serving the property.

Rates:

- (a) The rate for properties which use both shall be \$13.62 per one thousand (1,000) gallons of water furnished. The rate for each of these services is set forth as follows:
 - (1) Water services--four dollars and fifty-three cents (\$4.53) per one thousand (1,000) gallons of water furnished.
 - (2) Sewer services--nine dollars and nine cents (\$9.09) per one thousand (1,000) gallons of water furnished.
- (b) The rate for properties which are served by the county water system only shall be four dollars and fifty-three cents (\$4.53) per one thousand (1,000) gallons of water furnished.
- (c) The rate for properties which are served by the county sewer system only shall be nine dollars and nine cents (\$9.09) per one thousand (1,000) gallons of water furnished based on the periodic water or sewer meter reading by the utility serving the property.
- (d) The rate for the establishment of a late charge shall be six percent (6%) imposed on the outstanding balance of water/sewer, refuse accounts thirty (30) days after the bill date.
- (e) The rate for the establishment of new water service accounts shall be twenty-five dollars (\$25.00) per account. The rate for reactivation of service following the customer's request for deactivations or those reactivations necessitated by occupant delinquency or repair shall be twenty-five dollars (\$25.00) per each request.
- (f) The charges for drainage fixture unit inspections shall be one hundred and seventy-five dollars (\$175.00) for one (1) to twenty-four (24) fixtures, and two hundred seventy-five dollars (\$275.00) for twenty-five (25) -plus fixtures.
- (g) The charge for fire flow tests shall be three hundred dollars (\$300.00).

The rate above for water and sewer service become effective May 1, 2017

Sub-Metering.

Arlington County will not install, maintain or read sub-meters or consecutive meters for any purpose. Arlington County will only install one (1) water service per address for water and sewer billing purposes. Building owners who wish to meter tenants separately will be responsible for all installation, maintenance and billing for such arrangements.

Meters billed for water only usage:

Separate meters may be requested for installation by Arlington County for "water only" purposes (i.e., excess water not entering sanitary sewer system) such as irrigation systems. The same current published rate as regular meter and water service apply. Flow calculations shall be submitted to Arlington County to ensure that the meter is sized appropriately for the design flow. Arlington County will tap the water main and place the meter crock/vault. The contractor is responsible to connect to the meter crock/vault, provide backflow devices as required and obtain the necessary permits.

§ 26-8. Water service to buildings to be demolished.

The issuance of a demolition permit by the county manager or a demolition order entered by a court shall constitute an implied request by and permission from the owner of the building for discontinuance of the water service connection.

§ 26-9. Penalty.

Any person who violates any provision of this article or any rule or regulation pursuant thereto shall be subject to a fine of not less than twenty-five dollars (\$25.00) nor more than one thousand dollars (\$1,000.00) for each violation. Each day of violation shall constitute a separate offense.

§ 26-10. Infrastructure availability fees.

(a) It shall be unlawful for any person to connect a structure to the public water distribution system or to the sanitary sewer system without payment of an infrastructure availability fee.

(b) It shall be unlawful for any person to install plumbing fixtures in a structure previously connected to the public water distribution system or to the sanitary sewer system which results in an increase in the total drainage fixture units in that structure without payment of an infrastructure availability fee.

(c) Infrastructure availability fees shall be paid in full prior to issuance of a building permit, or a plumbing permit if no building permit is required or according to regulations pursuant to section 26-3. The infrastructure availability fee shall be in accordance with the rate schedule in force at the time of issuance of the permit.

(d) The infrastructure availability fee rate shall be \$200.00 per drainage fixture unit (dfu). For structures that are provided for water service only or sewer service only, the infrastructure availability fee shall be as follows:

- Water Service only - \$85.00 per dfu
- Sewer Service only - \$115.00 per dfu

(e) The County Manager shall develop such rules and regulations as are necessary to govern the administration of the infrastructure availability fee in accordance with section 26-3(b) of this chapter.

§ 26-12. SERVICE CONNECTION CHARGES

<u>SERVICE CONNECTION SIZE</u>	<u>METER SIZE</u>	<u>County Connection Charge as of 07-01-2008</u>	<u>Developer Installed Connection Charge as of 07-01-2008*</u>
1"	3/4"	\$3,200.00	\$100.00
1 1/2"	1 1/2"	\$4,600.00	\$300.00
2"	2"	\$4,800.00	\$600.00
3"	3"	\$19,800.00	\$1,800.00
4"	4"	\$21,200.00	\$2,000.00
6"	6"	\$23,200.00	\$2,200.00
8"	8"	\$25,300.00	\$3,000.00

*Developer Installed Connection charges apply in cases where the developer is required to install new water main and services.

Water Service Discontinuation Charge

The charge to discontinue a public water service shall be \$500.00.

Meter Box Relocation Charge

The charge to relocate a meter box (for 2 inches and smaller) five feet or less shall be \$1,000.00. For relocation greater than five feet, a new water service charge and discontinue charge for the existing service shall be required.

These charges became effective July 1, 2013

APPENDIX A - RULES FOR SETTING THE CHARGE

1. The Water and Sewer infrastructure availability fee shall be derived from the total equivalent drainage fixture units (dfu's) in any structure. The dfu value shall be assigned to plumbing fixtures according to the current, and future applicable versions of the Plumbing Code adopted by the State of Virginia. The total number of dfu's for the structure less any applicable credits shall be multiplied by the current rate per dfu to determine the total fee.
2. The rate per dfu shall be revised by the Department of Environmental Services and shall include the total system replacement cost, work in progress, and the estimated six year cost for expansion of the water and sewer system contained in the County's Capital Improvement Program, all expressed in current dollars. A credit shall be provided in the calculation of the rate for that portion of debt service paid through the Water-Sewer Service Charge.
3. Infrastructure availability fees shall be paid in full prior to issuance of a building permit, or a plumbing permit if no building permit is required, and the infrastructure availability fee shall be in accordance with the rate schedule in force at the time of issuance of the permit based on the plans submitted to the Inspection Services Division, CPHD. The charge may be adjusted to reflect "as-built" conditions prior to issuance of a "Certificate of Occupancy."
4. The County Manager or his designee shall determine the infrastructure availability fee for all structures. When a plumbing fixture does not fall under any of the listed types, the County Manager or his representative shall select the most similar type listed or may designate a special infrastructure availability fee for the fixture based on water consumption and/or waste disposal requirements.
5. A credit shall be allowed for the total equivalent dfu's in any existing structure to be demolished or rehabilitated by the applicant. Proof of the total existing dfu's must be provided through presentation of satisfactory documentation, such as a building plan signed by a registered professional engineer, architect, or a building inspection made by the County.
6. Credit for the total equivalent dfu's in a building to be demolished or rehabilitated will be applied only against new construction or rehabilitation work on the same site. No payment in lieu of credit will be made for demolition of buildings or removal of plumbing fixtures. All credit shall be applied against the infrastructure availability fee and shall not exceed the fee. For multi-building and phased construction projects, credit for dfu's in structures to be demolished shall be prorated for the entire project or in a manner acceptable to the County.
7. Credit for the total equivalent dfu's in any pre-existing structure that has been demolished before the applicant applies for a building permit on a new site shall only be allowed if the building was demolished within the last 10 years and if the applicant can provide adequate documentation of the number of dfu's in that structure. Such documentation shall consist of a building plan for the demolished structure showing total equivalent dfu's, and signed by a registered professional engineer or architect. If such a plan is not available for applications submitted after January 1, 1993, alternate forms of documentation may be approved by the County Manager or his designee, including appraisals prepared by certified appraisers which contain sufficient information to enable the County to determine equivalent dfu's or other documentation prepared by an independent third party determined to be qualified to provide such information by the County Manager or his designee. If documentation acceptable to the County Manager does not exist, the applicant may request credit at the following rates provided the type of structure can be adequately documented as determined by the County:

CREDIT FOR DEMOLISHED STRUCTURES

Single Family Dwellings	
(Detached, Semi-Detached, Townhouse)	11 dfu/unit
Apartments	9 dfu/unit
Hotels or Motels	7 dfu/rental unit
Office or Commercial	3 dfu/1000 sq. ft.

(No Credit Allowed for Basements or Attics)

No credit will be given for garages, sheds, temporary buildings, or other similar structures which normally do not have plumbing.

8. The payment of infrastructure availability fees is required for all additional drainage fixture units in an existing structure, regardless of the original construction date of the structure. No infrastructure availability fee will be charged for rehabilitation of a structure provided there is no net increase in drainage fixture units.
9. Funds collected through the infrastructure availability fee shall be accumulated in a separate category within the Utilities Fund. This fund category shall be subdivided into water supply system and sewer system/water pollution control plant subcategories. The percent of total revenues going to each subcategory shall be established annually. Funds in each subcategory shall be spent on capital projects for the water supply system or sewer system/water pollution control, respectively.

**Arlington County, Virginia
Department of Environmental Services
Engineering Bureau - Water/Sewer Engineering
APPLICATION FOR WATER & SEWER SERVICE**

Address _____ Floor _____ Date _____

Building Use _____ Year Built If Existing _____

Owner's Name & Address _____

Project Manager's Name & Address _____

Project Manager's Phone No. _____

I hereby certify that the above named applicant shall be responsible for all water and sewer usage charges until such time as service is transferred to new owner.

Applicant's Signature: _____

(DO NOT WRITE BELOW THIS LINE)

WATER SERVICE CONNECTION CHARGES

Remove existing water service (\$500.00 fee if applicable) Cost \$ _____

Service Size _____ Account Number Assigned _____ Cost \$ _____

Service Size _____ Account Number Assigned _____ Cost \$ _____

TOTAL SERVICE CONNECTION FEE \$ _____

New Structure Addition/Int Alt Irrigation System

Water & Sewer Account Sewer Account Only Water Only Account

WATER AND SEWER INFRASTRUCTURE AVAILABILITY CHARGES

Total Drainage Fixture Units in New Buildings or Additions _____ dfu

Additional Drainage Fixture Units in Existing Buildings _____ dfu

Credit for Drainage Fixture Units in Demolished Buildings _____ dfu

Credit for Drainage Fixture Units in Renovated Buildings _____ dfu

Total Net Drainage Fixture Units _____ dfu

COST= _____ dfu x \$85.00 Water Account (0485.01) \$ _____

x \$115.00 Sewer Account (0485.02) \$ _____

TOTAL INFRASTRUCTURE AVAILABILITY FEE \$ _____

TOTAL FEE DUE \$ _____

CERTIFIED BY: _____

Date: _____

DRAINAGE FIXTURE UNIT (DFU) INVENTORY

TABLE 709.1 OF 2006 SUPPLEMENT TO THE INTERNATIONAL PLUMBING CODE

TYPE OF FIXTURE OR GROUP OF FIXTURES	DFU VALUE	MINIMUM SIZE TRAP (INCHES)	# OF FIXTURES	CREDITS	DFU CREDITS	# OF DFU'S
Bathroom group consisting of water closet, lavatory, bidet and bathtub or shower (greater than 1.6 gpf) ^f	6	-				
Bathroom group as defined in Section 202 (1.6 gpf water closet) ^f	5	-				
Bathtub ^b (with or without overhead shower or whirlpool attachments)	2	1 1/2				
Bidet	1	1 1/4				
Combination sink and tray	2	1 1/2				
Dental unit or cuspidor	1	1 1/4				
Dental lavatory	1	1 1/4				
Drinking fountain	1/2	1 1/4				
Dishwashing machine ^c , domestic	2	1 1/2				
Emergency floor drain	0	2				
Floor drains	2	2				
Kitchen sink, domestic	2	1 1/2				
Kitchen sink, domestic with food waste grinder and/or dishwasher	2	1 1/2				
Lavatory	1	1 1/4				
Laundry tray (1 or 2 compartments)	2	1 1/2				
Shower compartment, domestic	2	2				
Sink	2	1 1/2				
Service Sink	2	1 1/2				
Urinal	4	footnote d				
Urinal, 1 gallon per flush or less	2 ^e	footnote d				
Urinal, nonwater supplied	1/2	footnote d				
Washing machines, commercial ^{a, g}	3	2				
Washing machine, residential ^g	2	2				
Wash sink (circular or multiple) each set of faucets	2	1 1/2				
Water closet, flushometer tank, public or private	4 ^e	footnote d				
Water closet, private (1.6 gpf)	3 ^e	footnote d				
Water closet, private installation (greater than 1.6 gpf)	4 ^e	footnote d				
Water closet, public (1.6 gpf)	4 ^e	footnote d				
Water closet, public (greater than 1.6 gpf)	6 ^e	footnote d				

Table 712.2-Unlisted Fixture Drain or Trap Size

1.25" or Less	1					
1.50"	2					
2.00"	3					
2.50"	4					
3.00"	5					
4.00"	6					

Other (3)

TOTAL DFU'S

CERTIFIED CORRECT _____ VA P.E. NO. _____

CHECKED BY COUNTY _____ DATE _____

For SI: 1 inch = 25.4 mm, 1 gallon = 3.785 L

- For traps larger than 3 inches, use Table 709.2
- A showerhead over a bathtub or whirlpool bathtub attachment does not increase the drainage fixture unit value.
- See Sections 709.2 through 709.4 for methods of computing unit value of fixtures not listed in this table of for rating of devices with intermittent flows.
- Trap size shall be consistent with the fixture outlet
- For the purpose of computing loads on building drains and sewer, water closets and urinals shall not be rated at a lower drainage fixture unit unless the lower values are confirmed by testing
- For fixtures added to a dwelling unit bathroom group, add the DFU value of those additional fixtures to the bathroom group fixture count.
- See Section 406.3 for sizing requirements for fixture drain, branch drain, and drainage stack for an automatic clothes washer standpipe.



DEPARTMENT OF COMMUNITY PLANNING, HOUSING and DEVELOPMENT
 Inspection Services Division
 2100 Clarendon Blvd., Suite 1000, Arlington, VA. 22201
 Tel 703-228-3800 Fax 703-228-7046 www.arlingtonva.us

REQUEST FOR DEMOLITION OR REMOVAL OF BUILDING

WATER /SEWER ENGINEERING AND UTILITIES SERVICES OFFICE

Site Information

Address of Building: _____
 Name of Owner: _____
 Applicant Name: _____
 Phone (s): _____ Date: _____

Disclaimer

The following conditions must be met or agreed upon by the Water/Sewer Engineering Section and the Utilities Services Office of the Department of Environmental Services (DES) prior to approval of this demolition request.

1. The water and sewer account must be closed and the final bill must be paid prior to issuing the demolition permit.
2. The existing sewer lateral must be capped at the property line by the Owner and inspected by the Inspections Services Division prior to issuing the demolition permit. If during inspection, it is determined that they lateral cannot be used, then the lateral must be capped at the sewer main, and a new sewer lateral is required. For inspection of capped service lateral call 703-228-3800.
3. Per County Code 26-8, the issuance of a demolition permit shall constitute an implied request by and permission from the property Owner for discontinuance of the water service connection.
4. As a courtesy, temporary use of the water service connection will be allowed for construction purposes only. In order to do this you will need to request a temporary construction account from the Utility Services Office.

Is temporary retention of existing water service requested by applicant for construction purposes?

(Check one)

YES

NO

The temporary service for construction purposes will be automatically disconnected upon installation of the new, permanent water service for the property. DES requires that all new construction must pay for a new water service prior to the connection of the new water service line.

5. If the land disturbed exceeds 2500 square feet, or if any of the area is in Chesapeake Bay Resources Protection Area (RPA), then the applicant must comply with Chesapeake Bay Preservation Ordinance (revised and effective February 8, 2003) and apply for a Land Disturbance Activity Permit (LDA Permit). Application for an LDA Permit requires an Existing Conditions Plan, Demolition and Grading Plan, Erosion and Sediment Control/Storm Water Management Plan, and a Conservation Plan. Four (4) sets of these plans are required.

 Signature of Owner or Authorized Agent

 Date

To be filled in by County

Account Number	
Remove meter W.O. issued	
Request to continue temporary service during construction	YES / Continue NO / Discontinue

Address of Building: _____
Name of Owner: _____
Applicant Name: _____

The following service connections and appurtenant equipment, such as meters and regulators, have been removed or sealed and plugged in a safe manner.

Electric Service

Dominion Electric Power Company

Gas Service

Washington Gas Company

Sewer Services: Inspection of Sewer Cap-Off on Property

**Inspection Services Division, Suite 1000
Department of Community Planning, Housing and Development**

Water and Sewer Account: No Accounts Payable

**Utilities Service Office, Suite 705
Department of Environmental Services**

Land Disturbance Activity: LDA Permit Issued

**Permitting & Customer Service Counter, Suite 800
Department of Environmental Services**

Asbestos Certification

**Inspection Services Division, Suite 1000
Department of Community Planning, Housing, and Development**

Note:

Rodent infestation certificate of treatment is required to be submitted with this sheet prior to issuance of demolition permit.

Written Notice of Demolition or excavation shall be delivered to the Owner of each potentially affected adjoining lot, building or structure at least one (1) week prior to the commencement of work. A copy of the Notice of Demolition is required with submission of this form.

**Arlington County, Virginia
Department of Environmental Services
Water/Sewer Engineering**

**APPLICATION FOR DRAINAGE FIXTURE UNIT CREDIT
FOR DEMOLISHED BUILDING ON SITE**

1. Demolished Building Address _____

2. Proposed Building Type or Use _____

3. Owner's Name and Address _____

Phone No. _____

4. Applicant's Name and Address _____

Phone No. _____

5. Demolished Building Type or Use:

- _____ Single Family Dwelling or Duplex
- _____ Apartment Building: No. of Units _____
- _____ Office Building: Floor Area _____ Sq. Ft.
- _____ Commercial Building: Floor Area _____ Sq. Ft.
- _____ Hotel or Motel: No. of Units _____
- _____ Other _____

6. Demolition Permit No. _____ Date _____

7. Drainage Fixture Unit Credit for Demolished Building

_____ dfu per Certified DFU Inventory
or
_____ dfu per Standard DFU Credits (See Bottom of Form)

8. Verified by County _____ Date _____

STANDARD DFU CREDITS

- Single Family Dwelling - 11dfu/unit**
- Apartments - 9 dfu/unit**
- Hotel or Motel - 7 dfu/unit**
- Office or Commercial - 3 dfu/1000 Sq.Ft.**

DRAINAGE FIXTURE UNIT (DFU) INVENTORY
TABLE 709.1 OF 2006 SUPPLEMENT TO THE INTERNATIONAL PLUMBING CODE

TYPE OF FIXTURE OR GROUP OF FIXTURES	DFU VALUE	MINIMUM SIZE TRAP (INCHES)	# OF FIXTURES	CREDITS	DFU CREDITS	# OF DFU'S
Bathroom group consisting of water closet, lavatory, bidet and bathtub or shower (water closet greater than 1.6 gpf) ^f	6	–				
Bathroom group as defined in Section 202 (1.6 gpf water closet) ^f	5	–				
Bathtub ^b (with or without overhead shower or whirlpool attachments)	2	1 1/2				
Bidet	1	1 1/4				
Combination sink and tray	2	1 1/2				
Dental unit or cuspidor	1	1 1/4				
Dental lavatory	1	1 1/4				
Drinking fountain	1/2	1 1/4				
Dishwashing machine ^c , domestic	2	1 1/2				
Emergency floor drain	0	2				
Floor drains	2	2				
Kitchen sink, domestic	2	1 1/2				
Kitchen sink, domestic with food waste grinder and/or dishwasher	2	1 1/2				
Lavatory	1	1 1/4				
Laundry tray (1 or 2 compartments)	2	1 1/2				
Shower compartment, domestic	2	2				
Sink	2	1 1/2				
Service Sink	2	1 1/2				
Urinal	4	footnote d				
Urinal, 1 gallon per flush or less	2 ^e	footnote d				
Urinal, nonwater supplied	1/2	footnote d				
Washing machines, commercial ^{a, g}	3	2				
Washing machine, residential ^g	2	2				
Wash sink (circular or multiple) each set of faucets	2	1 1/2				
Water closet, flushometer tank, public or private	4 ^e	footnote d				
Water closet, private (1.6 gpf)	3 ^e	footnote d				
Water closet, private installation (flushing greater than 1.6 gpf)	4 ^e	footnote d				
Water closet, public (1.6 gpf)	4 ^e	footnote d				
Water closet, public (flushing greater than 1.6 gpf)	6 ^e	footnote d				

Table 712.2-Unlisted Fixture Drain or Trap Size

1.25" or Less	1					
1.50"	2					
2.00"	3					
2.50"	4					
3.00"	5					
4.00"	6					

Other (3)

TOTAL DFU'S

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CERTIFIED CORRECT _____ VA P.E. NO. _____

CHECKED BY COUNTY _____ DATE _____

For SI: 1 inch = 25.4 mm, 1 gallon = 3.785 L.

- a. For traps larger than 3 inches, use Table 709.2
- b. A showerhead over a bathtub or whirlpool bathtub attachment does not increase the drainage fixture unit value.
- c. See Sections 709.2 through 709.4 for methods of computing unit value of fixtures not listed in this table of for rating of devices with intermittent flows.
- d. Trap size shall be consistent with the fixture outlet
- e. For the purpose of computing loads on building drains and sewer, water closets and urinals shall not be rated at a lower drainage fixture unit unless the lower values are confirmed by testing
- f. For fixtures added to a dwelling unit bathroom group, add the DFU value of those additional fixtures to the bathroom group fixture count.
- g. See Section 406.3 for sizing requirements for fixture drain, branch drain, and drainage stack for an automatic clothes washer standpipe.