

PART VI

GLOSSARY:

Construction terms found in Part III are not contained in this glossary because those items are widely known in the water construction industry by the professionals involved in the installation.

AASHTO – American Association of State and Highway Transportation Official. Organization that sets highway and roadway standards and is referred to by that designation.

ANSI – American National Standards Institute

ASTM – American Society for Testing Materials

AMR – Automatic Meter Reading, radio read communication system utilized by the Kent County Water Authority that is known as “Neptune AMR”.

Agricultural Water Usage – A customer that is a commercial agricultural producer with documented production of a minimum of \$2,500 of commercial, agricultural produce annually.

As Built Drawings – A revised plan reflecting the actual conditions of the infrastructure as it was installed.

Authority – Kent County Water Authority

Backflow Prevention Device – A device or means designed to prevent backflow or back siphoning from the customer’s property or facility into the potable water system.

Battery Of Primary Meters – Two or more meters connected together in a configuration that supplies a single service pipe to a facility or residential development and is read by the KCWA.

Billing Officer – The Director of Finance and representatives of the Kent County Water Authority whose duties pertain to the billing for water consumption and services by the Kent County Water Authority.

Board – Board of Kent County Water Authority

Bury Depth – The depth from the surface of the ground to the bottom of the pipe to which a hydrant is connected.

Bury Line – A casting mark on the hydrant barrel indicating the proper barrel position in relation to the surface of the ground.

Certified Tester – A person who is certified by the approving Authority to test, repair and maintain backflow assemblies and/or meters.

CTS – Copper tube size (standard for measurement of tubing size relative to diameter).

Compound Meter – A water-measuring device that has a small meter, large meter and alternative flow paths. Such a meter is used where flow demands vary or fluctuate beyond the range of one type of meter, and the flow is diverted to the alternate meter when it varies outside the range of either meter.

Connection – The tap for a pipe main or conduit to supply water from the distribution systems.

Containment Backflow Device – Backflow device installed directly after the meter outlet valve before the first tap to any appliance, fire system or plumbing outlet or fixture connection.

Curb Stop – A valve and access box configuration installed at the curb line in conjunction with the extension of a service line to a property or facility.

Customer – Owner of property that is supplied with water from Kent County Water Authority system.

D.P.U. Rules & Regulations – The Division of Public Utilities & Carriers Rules & Regulations regarding operation of water system.

Delinquency Notices – A notice sent out forty-five (45) days from the billing date to the customer indicating that payment of the bill is past due.

Developer – Owner, owner's agent, owner's representative or prospective purchaser of the property to be serviced after the work of developing and building real estate subdivision or condominium project or other type of residential project or any type of commercial project is completed.

Distribution Main – Infrastructure installed to distribute potable water to the Kent County Water Authority customers. A system of conduits and appurtenances by which a water supply is distributed to consumers.

Exemption Certification – Customer provided documentation fulfilling the requirements of the Kent County Water Authority, Water Resources Board, Public Utilities Commission and Rhode Island General Laws pertaining to exemption from the Water Protection Charge.

Fire Service Connection – A pipe extending from a main to supply a sprinkler, standpipe yard hydrant or other fire protection system.

Fire Service Meter – A special type of meter having a relatively small loss of head at high rates of flow for use in fire service connections.

Fire System – A separate system of water pipes or mains and their appurtenances installed solely to furnish water for extinguishing fires.

First-tap – Point of first connection to the facility or building potable water system.

FM/UL – Factory Material/Underwriters Laboratory.

Gate Valve – A mechanical device used to turn on or shut off the flow of water in a distribution piping system.

Hazen-Williams Formula – A formula used to calculate the flow in a water main by applying a roughness or friction coefficient as a factor. It was developed in 1902 by Gardner Williams and Allen Hazen. The value of the coefficient indicates the condition of the inside surface of the pipe.

H.D.P.E. – High density polyethylene – Service pipe material used in the water industry.

Hydraulic Calculations – Supporting mathematical documentation or computerized modeling provided by a registered, professional engineer that demonstrates the Kent County Water Authority system can support adequate water supply under all demand conditions of the proposed development design.

Main Extension – The installation of distribution or transmission main to provide water supply to a development or facility.

Master Meter – A single meter or bank of meters or compound meter serving a private, commercial/industrial or residential development.

Material Summary Fact Sheet – The Kent County Water Authority approved listing of the authorized materials for the installation, repair and/or extension of the Kent County Water Authority water system.

NRS – New rising stem. A term used to describe a gate valve whose operation stem does not rise during opening and closing operation.

“Owner” – 1. In matters concerning extension(s) of distribution mains shall mean the developer or such other party or parties with whom the contract is made and their successors or assigns. 2. In matters concerning infrastructure extension requiring booster pumps and master meter configuration shall mean the developer or such other party or parties with whom the contract to obtain water supply is made and their successors. 3. Property owner of record as recorded in city or town records or authorized agent solely responsible for payment of bill for water used. 4. See Customer.

PE – Polyethylene – Type of tubing commonly used for service piping in the water industry.

PSI – Pound per square inch

P.U.C. – Public Utilities Commission

Primary Meter – Water meter installed at the entrance of the water service to a facility or residence and read by the KCWA.

Private Fire Hydrant – Hydrant owned and maintained by an entity other than KCWA and used as part of a fire protection system for a privately owned development.

Private Road – Roadway established, owned and maintained by a private entity or property owner in which the municipality provides no maintenance or funding.

Public Fire Hydrant – Hydrant owned and maintained by the KCWA as part of the Authority's water system for the sole purpose of public fire protection.

Radio Read Register – Integrated R900i register or potted register coupled with R900 CMIU that sends out a radio signal containing metering information.

R.I.G.L. – Rhode Island General Laws

RPZ – Reduced pressure zone backflow device used to prevent backflow into a distribution system more specifically to isolate the customer's side from the public distributing water system.

Rates Schedule – The published rates approved by the Public Utilities Commission and Kent County Water Authority pertaining to water supply and appurtenant services necessary to provide public water supply per all federal, state and local regulations.

Request For Plan Review – An application submission for service and/or main extension to extend water service to a new or existing development or property.

Residential Meter – Water meter installed to account for water consumption of a dwelling that's primary use is for domestic water to a family or individually owned domicile.

Service – Active water service connection to the public water supply system of Kent County Water Authority.

Service Call – Any customer request that requires an employee to respond to the customer's address to perform work or function at the customer request.

Service Extension – The installation of service pipe from the distribution main to supply a facility or residence.

Service Pipe – The pipeline extending from the water main to the building or private connection served. Service pipe from the distribution main to the curb stop/valve is owned and maintained by the Authority. Service pipe from the curb stop valve to a building or development is owned and maintained by the property owner.

Shut Off – Securing all water supplied at the curb stop due to request for maintenance, non-payment of bills, emergency situations or extenuating circumstances, as deemed necessary by the Kent County Water Authority.

Shut Off Notices – A notice sent out sixty (60) days from the billing date to the customer indicating that payment of the water bill has not been received to date, and water service is scheduled to be discontinued on a prescribed date unless payment is received within ten (10) days from the date that appears on notice.

Standard Details – Kent County Water Authority approved configuration drawings depicting various, typical appurtenance or physical feature installation requirements to provide a visible interpretation of the general intent of the Kent County Water Authority construction specifications.

Standard Estimating Procedures – Procedures used by the Authority to calculate an estimated consumption based on the average consumption contained in historical records.

Turn On – Activation of the water service at the curb stop upon receipt of payment of bills or completion of maintenance and/or repairs.

Ultrasonic Meter – Features solid state ultrasonic technology to measure water flow and consumption.