

## **Requirement for Cross Connection Control on All New Domestic Water Services**

The Town of Cary requires that all new water services be fitted with an approved back flow prevention assembly to protect the Town's public water supply. Single family residential water services must have a dual check valve assembly in the water meter box.

[See a drawing](#) for a standard 3/4-inch water service and meter box installation.

When a backflow prevention assembly is initially installed, the certified technician must submit an [installation report](#) to the Town at the address provided.

All back flow prevention devices other than single family residential are required to be tested annually. A copy of test results must be provided to the Town using the [test and maintenance report form](#). Only Town-certified technicians may test, maintain or repair back flow assemblies.

### **Requirements for Backflow Prevention Assemblies**

<b>Abbreviations Used Below</b>	AG = Air Gap
DCVA = Double-Check Valve Assembly	DCDA = Double-Check Detector Assembly
PVB = Pressure Vacuum Breaker	RP = Reduced Pressure Principle Assembly
RPDA = Reduced Pressure Detector Assembly	RDC = Residential Dual Check

1. Automotive Services Stations, Dealerships, etc.: RP
2. Auxiliary Water Systems: RP
3. Bakeries: RP
4. Beauty Shops/Barber Shops: RP
5. Beverage Bottling Plants: RP
6. Breweries, Wineries, Distilleries: RP
7. Buildings - hotels, apartment buildings, offices, public and private buildings, or other structures having unprotected cross connections
  - (a.) Under three stories: DCVA
  - (b.) Over three stories: RP
8. Canneries, Packing Houses, and Rendering Plants: RP
9. Church
  - (a.) Without kitchen: DCVA
  - (b.) With kitchen: RP
10. Commercial Car Wash Facilities: RP
11. Commercial Greenhouses: RP
12. Commercial Sales Establishments (department stores, malls, etc.): RP
12. Concrete/Asphalt Plants: RP
13. Dairies and Cold Storage Plants: RP
15. Dye Works: RP
13. Film Laboratories: RP
16. Fire Systems - 3/4"(inch) to 2"(inch)
  - (c.) No accessory features: DCDA

- (d.) With booster pumps, foam, antifreeze solution, etc.: RP
- 17. Fire Systems - 2 ½" (inch) to 10" (inch) or larger
  - (a.) No accessory features: DCDA
  - (b.) With booster pumps, foam, antifreeze solution, etc.: RPDA
- 18. Fire Trucks: RP
- 19. Grocery Stores: RP
- 20. Hospitals, Medical Buildings, Sanitariums, Morgues, Mortuaries, Autopsy Facilities, Nursing and Convalescent Homes, Medical Clinics, and Veterinary Hospitals: RP
- 21. Laundries, Dry Cleaners, Coin Operated Laundromats: RP
- 22. Lawn Irrigation Systems (split taps): RP
- 23. Metal Manufacturing, Cleaning, Processing and Fabricating Plants: RP
- 24. Mobile Home Parks: RP
- 25. Oil and Gas Sales (bulk wholesale, or retail), Distribution, Production, Storage or Transmission Properties: RP
- 26. Pest Control (exterminating and fumigating): RP
- 27. Power Plants (electrical): RP
- 28. Restaurants: RP
- 29. Residential (single family homes; individually metered dwelling units of the following types of multi-family dwellings: duplexes, triplexes, multiplexes, apartments, townhouses, condominiums): RDC
- 30. Restricted, Classified, or Other Closed Facilities: RP
- 31. Sand and Gravel Plants: RP
- 32. Day Care Facilities, Schools and Colleges: RP
- 33. Sewage and Storm Drain Facilities: RP
- 34. Swimming Pools: RP
- 35. Waterfront Facilities and Industries: RP