



**Works and Infrastructure**  
9215 Cedar Avenue Box 159, Summerland, BC V0H 1Z0  
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www.summerland.ca

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## DOMESTIC UNDERGROUND IRRIGATION APPLICATION

Director of Works and Infrastructure  
District of Summerland  
Box 159, 9215 Cedar Avenue  
Summerland, BC V0H 1Z0

Name \_\_\_\_\_  
Roll No. \_\_\_\_\_  
Civic Address \_\_\_\_\_  
or Lot(s) \_\_\_\_\_ Block \_\_\_\_\_ DL \_\_\_\_\_ Plan \_\_\_\_\_  
Arable Acres \_\_\_\_\_

Dear Madam/Sir:

Section 6.3 of the District of Summerland Water Utilities Bylaw No. 2014-19 restricts the allocation of water for irrigation purposes to a maximum water flow to a parcel prorated at 27 litres per minute per 0.405 arable hectare (6 imperial gallons per minute per arable acre).

Excess water will be permitted provided the applicant meets the requirements in Sections 6.3 and 6.4 of this same bylaw for underground Irrigation Systems as per below:

### **6.3 Water Flow**

- 6.3.1 The maximum water flow to a parcel shall be prorated at 27 litres per minute per 0.405 arable hectare (6 imperial gallons per minute per arable acre).
- 6.3.2 Domestic users who are irrigating their property through an underground irrigation system may request the maximum water flow be increased to 45.5 litres per minute per 0.405 arable hectare (10 imperial gallons per minute per arable acre) by submitting a Domestic Underground Irrigation Application to the Director for approval.
- 6.3.3 The District may install one or more valves or devices to control flows on parcels where the user refuses to comply with this Section. All costs associated with the installation of the flow control valves and devices shall be At Cost at the expense of the Owner.

### **6.4 Water Systems for Irrigation**

- 6.4.1 Any person who is installing an underground domestic irrigation system must submit a Domestic Underground Irrigation Application to the Director for approval prior to commencing installation.

- 6.4.2 Owner's shall maintain their irrigation system in a manner that ensures it remains in good working order, performs free of leakage and wastage and is protected from freezing.
- 6.4.3 Owner's shall take whatever measures are necessary to protect the District's standpipe, water meter, and related equipment and will be responsible for the costs of repairing the municipal standpipe, meter and related equipment if it is damaged as a result of negligence or improper procedures.

Applicant must also meet the requirements below:

- 1. Install an approved dual check valve;
- 2. 10 gallon per minute flow control valve;
- 3. System must be on a time clock;
- 4. Connection to line must be inside house (residential);
- 5. Hours of operation per Section 9.3 Water Use Stages;
- 6. Plans must be submitted – colour code zones; and
- 7. Any additions or changes to your system will require a new application

The District of Summerland reserves the right to cancel this application at any time without notice for reasons of water shortage or abuse of irrigation procedures by the Applicant.

I hereby understand and agree with the above:

\_\_\_\_\_  
Owner/Customer/Water User

Approved \_\_\_\_\_, 20\_\_\_\_.  
on behalf of the District of Summerland

\_\_\_\_\_  
Address

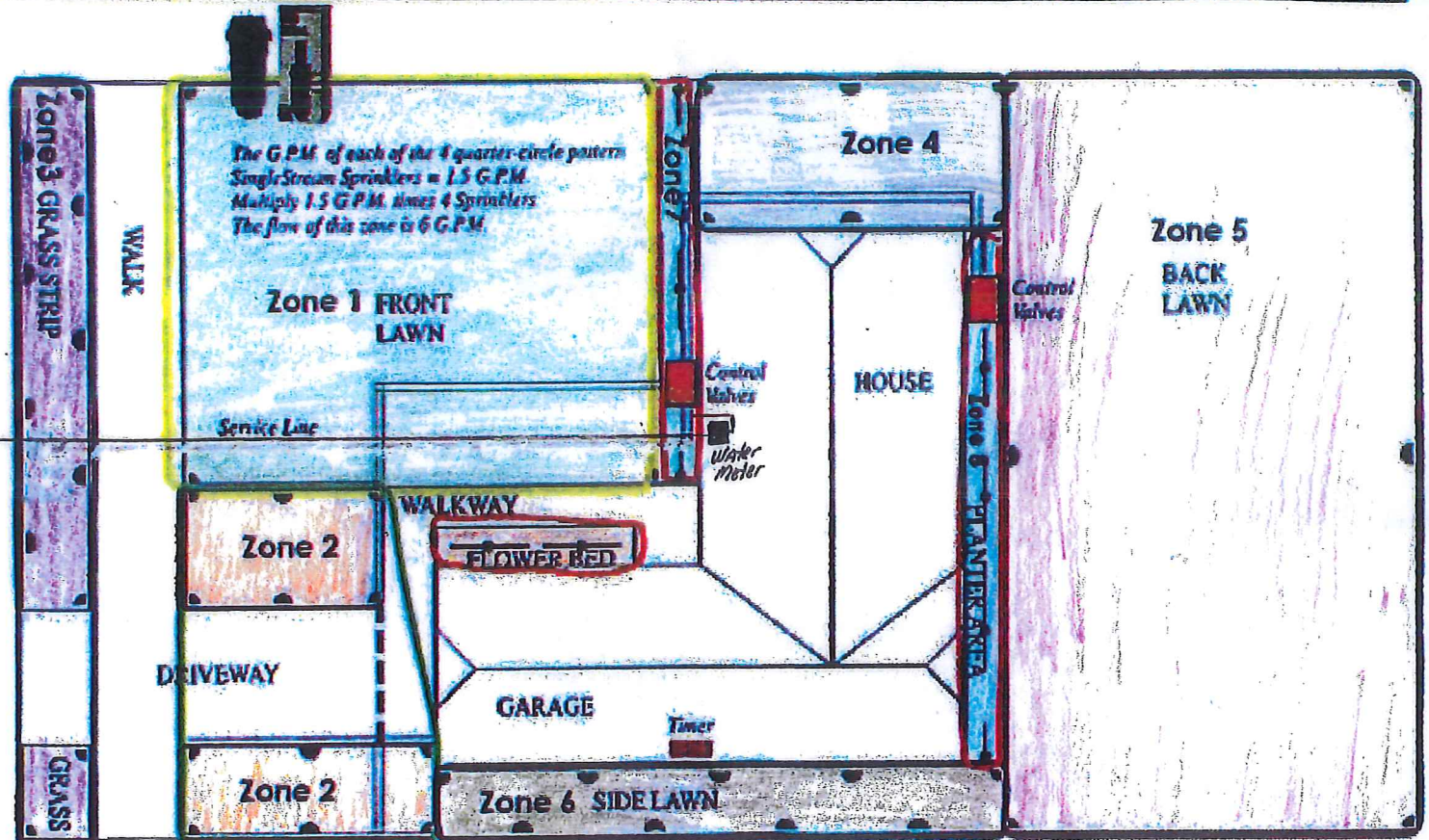
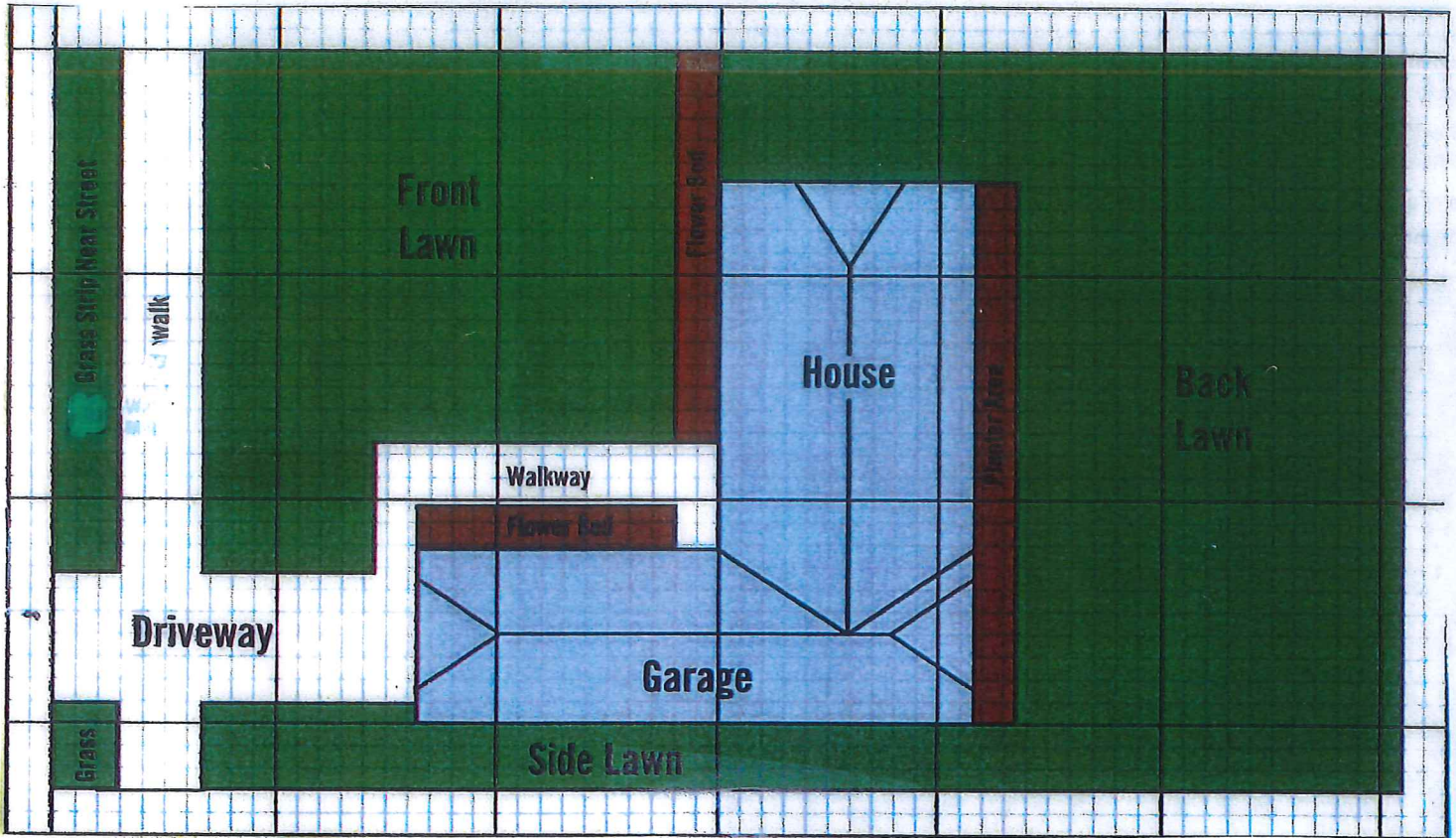
\_\_\_\_\_  
Director of Works and Infrastructure

\_\_\_\_\_  
(Installed by)

Inspected \_\_\_\_\_, 20\_\_\_\_.  
by \_\_\_\_\_



# SAMPLE PLAN





CRD Home > Water Services > Cross Connection Control > Dual Check Valve

## Dual Check Valve

A dual check valve is similar to a double check valve in that it is a mechanical backflow preventer consisting of two independently acting, spring-loaded check valves. However, it usually does not include shutoff valves, may or may not be equipped with test cocks or ports, and is generally less reliable than a DC.

A dual check valve is effective against back-pressure backflow and back-siphonage but should be used to isolate only non-health hazards and is used primarily at water service connections to single-family homes.

A picture of a Dual Check Valve is provided below:



### 719

Double Check Valve Assemblies, Bronze

#### Size(s):

1/2 to 2 In. (15 to 50mm)

#### Description:

Series 719 Double Check Valve Assemblies are designed to protect drinking water supplies from dangerous cross-connections in accordance with national plumbing codes and water authority requirements. It consists of a bronze alloy body construction and chloramine resistant elastomers. Series 719 features a separate access, top-entry check valve design for ease of maintenance and is for use at referenced cross-connections in non-health hazard applications. Check with local inspection authorities for installation requirements. Maximum Working Pressure: 175psi (12.06 bar).

