

DINGWALL ROAD PUMP STATION AND WATERMAIN COMOX-STRATHCONA REGIONAL DISTRICT



Water Main Installation

The Dingwall Pump Station was constructed at the foot of Dingwall Road taking water from the east branch high pressure zone. The pump station has a large altitude valve for improved gravity flow and four 50 hp electric booster pumps. Pump start controls are set from the East Courtenay Reservoir, in reference to signals from the Ryan Booster Station. The Dingwall Pump Station and the Ryan Booster Station will operate independently, except that their level control points will be derived from the same source, the East Courtenay Reservoir.

The Dingwall Road Watermain involved the installation of 2,000 metres of 600 mm diameter Ductile Iron water main from the Dingwall Pump Station to an existing 750 mm Ductile Iron water main on Lerwick Road supplying the East Courtenay Reservoir.

The Comox Valley chlorination building supplies the East and West zones of the Comox Valley Water Supply System. The Ryan Booster Station, which supplies water to Comox and Little River, functions by reference to the East Courtenay Reservoir level to open an altitude valve and start booster pumps when gravity flow from the chlorination building is insufficient to meet demands. During high summer demands and with Comox reservoir filling, the PRV consumption from the suction side of the Ryan Booster Station took so much water as to seriously compromise the Ryan Booster Station's ability to keep the East Courtenay Reservoir full.



Pump Floor