

SANITARY SEWER PUMP STATIONS

FAIRWINDS DEVELOPMENT CORPORATION

The Fairwinds Development project in Nanoose Bay is a multi-phased, fully serviced, 2500 unit residential development and golf course on a 520 ha rocky peninsula. The project is characterized by extremely rugged topography, and very difficult design and construction conditions. About 30% of the land area is presently developed.

Undulating terrain and inland water pollution control centre location has resulted in the need for many sewage pump stations. To- date, for seven phases of development, eight main pump stations have been completed.



Pump Station Number 1 - Single Phase Underground Power Supply. (6 hp duplex pumps)



Pump Station Number 2 - Three Phase Underground Power Supply. (18 hp triplex pumps)

Wet wells are typically constructed using precast concrete segments. Packaged system pump, piping and controls, supplied by ITT Flygt have been used for all stations. The control kiosks include receptacle and transfer switch to allow a portable generator to run the station during a power outage. All stations are concealed using similar landscaping.

On completion of installation, the stations have been handed over to the Regional District of Nanaimo. Their staff are responsible for operation and maintenance of the pump stations, sewer collection system, and water pollution control centre for the Fairwinds Development.