

# WATER SUPPLY MAIN DISTRICT OF UCLUELET

The District of Ucluelet developed a new wellfield which required a new supply main to deliver the water into the community. The total length of main was 7,400 m, of which 1,660 m was 450-mm DR 17 HDPE, 4,300 m was 400 mm DR 17 HDPE, and 1,440 m was 350 mm DR 25 PVC. The main was installed along the Pacific Rim Highway and incorporated valves and hydrants and a new 1,400 m<sup>3</sup> capacity bolted steel reservoir.

Upon completion, the pipeline working area provided the space for a paved multi-purpose path, separated from the highway by a drainage ditch or boulevard.



*Pipe was lowered in after a long section of trench was excavated.*



*450 mm dia. fusion welding machine for the HDPE pipe was used in a special shelter to avoid driving rain and wind (typical during winter months in Ucluelet) during the heat fusion welding process.*



*After fusion welding long sections, the pipe was strung along the right-of-way prior to trench excavation and installation.*

