

Durable, Sustainable, Attractive and Safe Paving for Nanaimo, BC



The owner was looking for a paving product that offered the consumer something different in the market place. A cost analysis was done between black top and concrete. The owner felt that although the black top cost less, the long term durability that concrete offered was worth the investment.

Durability and sustainability were foremost in the owner's mind when concrete was considered. Sustainability and the longer lifecycle were appealing not only from the developer's stand point, but also from the real estate companies' point of view as a value added selling feature.

The concrete is also lighter in colour offering residents a brighter road contributing to improved visibility in dark and/or wet conditions. The landscape design surrounding the structures includes a substantial amount of creative rock work. The concrete road is very compatible with this type of landscape construction.

The concrete finish is broomed offering superior traction both for foot traffic and for tires on vehicles. Interesting to note that there is very little surface markings after 6 months of surface wear. The surface looks as though it was poured within the last month. Curing was done with landscaping cloth and water for the 72 hours after the pour.

There are no curbs as is apparent in the photographs. Therefore, a portion of the surface area affected by rain is utilized by the landscape plant material. This reduces the volume the storm drain needs to accommodate as well as reducing irrigation requirements. These benefits coupled with the elimination of the curbing capital costs makes sense both economically and sustainability.



Engineer: Levelton Engineering Ltd.
Contractor: Hazelwood Holdings Ltd.
Readymix concrete supplier: Mayco Mix Ltd.
Finisher: Island Concrete Ltd.

PROJECT AWARDS: BCRMCA Award for Excellence in Concrete Paving