

GROSVENOR BRENTWOOD BLOCK

Burnaby, BC | Design Phase

Role of the firm: Structural Engineer of Record

Area: 2,000,000 ft²

Budget: Undisclosed

Architect: Perkins & Will

Client: Grosvenor Americas

Sustainable Features: Targets LEED Gold



The Grosvenor Brentwood Block offers residential and commercial units surrounded by parks, gardens, courtyards and plazas in an entirely pedestrian above-ground setting. This mixed-use development will be the latest addition to Metro Vancouver's lively, transit-oriented Brentwood area and will provide 3500 new homes, including 2000 market rentals and 450 below-market rentals.

Separated into smaller segments and surrounded by greenery, the 7.9-acre block features low, mid and high-rise buildings placed carefully around open spaces accessible to the public. The complex build features 7 storeys of underground parking, a site which slopes 20m from one corner to the other, extensive podium areas and towers ranging from 43 to 65 floors. The entire structure will be built with reinforced concrete. The towers have slender core aspect ratios with rooftop dampers to mitigate wind-induced accelerations. By utilizing facade materials such as concrete, glass, and metal, the towers perfectly complement the surrounding skyline.



To reduce its overall environmental impact, the complex incorporates green roofs and a rainwater collection system into its design. And, because sustainability is a top priority for the city of Burnaby, each building will be built using low-carbon, healthy, and long-lasting materials. Overall, the project is expected to have a significant impact on the area and even be considered a landmark in Burnaby, bringing economic opportunities, new demographics and a safe space for people to connect and thrive.

