

Project Report

Villa Maris, West Vancouver



The residents of the apartments can let their eyes wander over a sophisticated roof landscape now.

Project Data

Area: ca. 700 m²

Construction Year: 2015

Landscape architects:
Enns Gauthier Landscape Architects,
Vancouver and
Cornelia Hahn Oberlander, Vancouver

System Build-ups:
"Roof Garden" with Floradrain® FD 40-E
and Floradrain® FD 60

Coordinates:
49°19'47.07"N 123°10'19.03"W

Conception

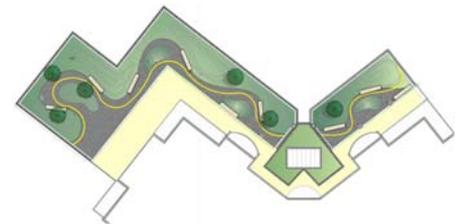
Villa Maris is an art deco style apartment complex located on the waterfront in West Vancouver British Columbia. The building is over 50 years old and needed a new roof on the lower area visible to the tower residents.

It was decided that a landscaped intensive green roof with berms and pine trees representing a dune-like environment would provide the locals and residents a

much more visibly appealing feature than a simple membrane roof.

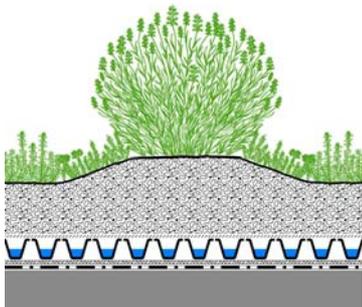
The bermed areas were created with foam voiding covered with a Floradrain® FD 40-E build-up.

The tree wells were carved into the voiding and had a Floradrain® FD 60 build-up under the root balls. The roof was planted with grasses, perennials and some sedum.



Part of the renovation works on the roof was the installation of an intensive green roof. The plan provided by the landscape architects shows the main design.

System Build-up



- Plant layer
- System Substrate
- Filter Sheet SF
- Floradrain® FD 40-E
- Protection Mat SSM 45
- Roof construction with root resistant waterproofing



Features like topiaries and tree trunks provide accents on the roof. The illumination behind the angle profiles is visible only in the dark.

Development



The planting areas were equipped with Floradrain® FD 40-E-elements while Floradrain® FD 60 was used as a base for the tree planters.



Square-shaped slabs form the walkways on the roof surface.



The walking areas were edged with angle profiles; Tree trunks serve as design elements.