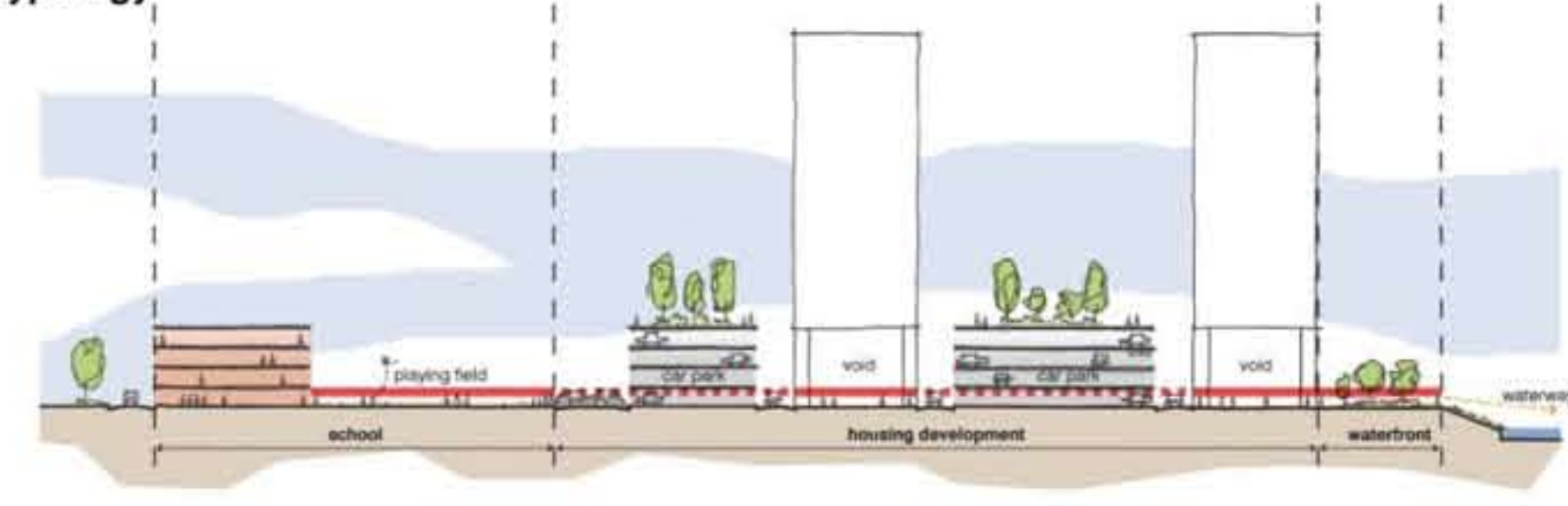


2 Embracing the Water Edge

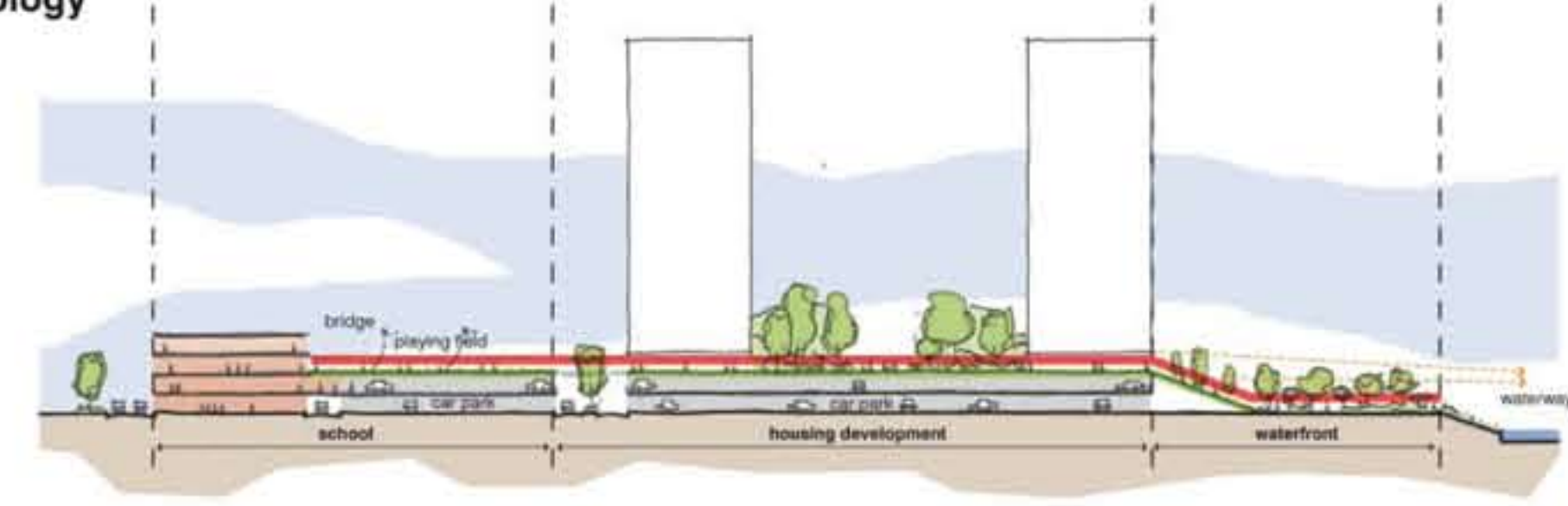
- Strong & Panoramic View Corridors Safeguarded
- Integration of Land Parcels Through Strong Connectivity
- Link, Merge & Mediate Waterway Landscape with Site Green Plateau



Existing Typology



New Typology



Technical Data

Entire Site	Given	Proposed
Site Coverage	45%	31.2%
Gross Plot Ratio	3.3	3.3

Air Flow Analysis

Computational Fluid Dynamics (CFD) simulations were carried out and the results demonstrated the airflow around estate. Airflow satisfactory around estate due to the large site area and good spacing between blocks. The orientation and layout of the blocks was noted to allow air to channel from windward to leeward areas and hence allowed blocks in the downstream wind regions to also enjoy generally good airflow. Simulation results also demonstrated the direction and pattern of wind flow and movement. The scheme allows residential unit design, internal layout spacing, window and door opening location and sizes to consider prevailing wind flow to promote cross ventilation.

