



## Ellipse Waterfall

### RESIDENTIAL DEVELOPMENT AWARD



Waterfall City is a rapidly developing mixed-use suburb that encompasses a variety of lifestyle, residential and commercial functions. The vision of Waterfall City is to establish a vibrant, modern destination that embraces urban living. Ellipse Waterfall is the first high-rise luxury apartment development in the heart of Waterfall City. Once complete, the sizable 45,000m<sup>2</sup> precinct will include 600 brand-new apartments and other amenities such as leisure and lap pools and verdant gardens. The elegant form of the Ellipse Waterfall towers will deliver a highly recognisable landmark in the heart of Waterfall City. The architecture is both bold and discreet, featuring a striking façade of glass and solid panels that allow the buildings to be presented as a singular, legible architectural form. The design moves away from simple all-glass towers and will be recognised as an enduring and site-responsive addition to Waterfall City.

In response to the brief, the architects moved away from the traditional rectangular apartment block design and decided to take on a more unconventional form. To make best use of the unobstructed views, four separate elliptical towers were proposed. The shape takes inspiration from an ellipse which is highly efficient in terms of ratio of surface area to internal volume.

The lack of corners reduces the visual profile of the buildings and was identified as the most suitable form when considering multiple towers in proximity to one another. Inspired by their mathematical origins, each tower is named after some of the world's most celebrated scientists, namely, Newton, Kepler, Cassini and Galileo. Each tower has an identical footprint; however, the height of each differs. Newton has 10 storeys, Kepler has 11 storeys, Cassini has 16 storeys and Galileo has 12 storeys.

The curvilinear façade of the towers is complemented by a mix of moveable and fixed screens which serve to animate the elevations. This produces an ever-changing collage resulting from the movement of the sun and the moods of its occupants.

The towers sit on a raised podium, creating an elevated ground floor with a parking garage and services infrastructure underneath. Extensively landscaped, the podium level includes a central piazza, running track, active and passive parks, lap and leisure pools, verdant gardens and 'The Luna Club' to engage residents and encourage community activity. At street level, an elevated forecourt addresses the most prominent corner where retail spaces spill out onto the activated street edges to embrace other users from the broader Waterfall City community.

Ellipse Waterfall is designed and developed to meet the 4-Star Green Star SA Office v1.1 Design and As Built certification requirements.

Once complete, the development will not only encourage interaction amongst residents, but it will engage the entire community and add to the growing Waterfall City skyline.

**Developer:** Attacq; Tricolt

**Project Manager:** Echo Project Managers

**Architect:** dhk Architects

**Quantity Surveyor:** Tricolt

**Structural & Civil Engineer:** Arup

**Electrical Engineer:** Aftek Consulting Engineers

**Mechanical Engineer:** Spoomaker & Partners Inc

**Façade Engineer:** Arup

**Fire and Wet Services:** Sutherland

**Lift Consultant:** Solutions for Elevating

**Green Building Consultant:** Solid Green Consulting

**Safety Consultant:** Konsafe Measures

**Landscape Architect:** GREENinc

**Main Contractor:** Barrow Construction

