SANDHURST CLUB

www.sandhurst.com

Water Management

Recycled Water

Sandhurst Club has been a true pioneer and innovator in the use of recycled water. It is the first development in Australia of its type and size to use recycled water on such a large scale. It was awarded the 2005 UDIA Award for Excellence in Water Sensitive Urban Design. Class A recycled water irrigates the golf courses, parks and open space, and is used by residents for gardening and toilet flushing - creating significant savings on water bills. South East Water is the provider of recycled water other than to the golf course.

The Sandhurst Green Dream:

- Providing a regional wildlife sanctuary (especially important in the advent of drought)
- Preservation of open space, remnant vegetation and historic trees
- Protection of top soil from degradation and erosion
- Protection of water resources
- Rehabilitation of tracts of degraded land
- The provision of an environment to promote physical and mental well being
- The preservation and promotion of Australian Indigenous flora and fauna
- Improve air quality and moderate temperature
- Utilise and treat water resources such as sewage, storm water and urban runoff
- Create and sustain a high quality environment.

Water Sensitive Urban Design

All urban run-off is collected and treated on-site. This includes the installation of "water sensitive urban design" features instead of traditional concrete pipe drainage.

On Sandhurst Boulevard, a crushed rock drainage channel has been installed in the central medians to collect and filter run-off. In residential and golf areas, biological retention systems composed of swales planted with native wetland species, as well as sand and crushed rock drainage filters have been used extensively. All urban run-off is then collected in large wetlands for further biological treatment prior to discharge.

Waste Management

Catchment Management

Sandhurst is located on the overland flow path of the Eastern Contour Drain, which collects run-off from over 2,000 hectares of largely rural land upstream. Sandhurst is installing sedimentation ponds within its site to collect rubbish and sediment from this catchment run-off prior to entering the lake system. These ponds will improve the catchment water quality in the streams and waterways downstream of Sandhurst, eventually discharging into Port Phillip Bay.

Sandhurst will also retain stormwater over and above that which it produces, reducing the amount of local flooding and evening the stream flow in the downstream catchment.

Programs currently participating in

Golf course, e-par, adheres to World's Best Practice in sensitive golf course management applications.

Accolades Received

- Sandhurst Club project in Melbourne's south east has continued to be recognised for its cutting edge environmental design and management, being the only multiple winner at the prestigious 2008 UDIA Excellence Awards
- Sandhurst has received awards for 'Best Environmentally Designed Project' and 'Best Landscape Design'
- Sandhurst has received seven UDIA Awards, three Australian Property Institute Awards and two HIA Greensmart Awards, all within the last seven years.

Other

Protection of Historic Trees

Sandhurst hosts over 100 mature River Red Gum trees, some estimated to be over 500 years old. Sandhurst has catalogued and will retain every mature River Red Gum tree. The health of these trees will be monitored and ongoing care and maintenance, including irrigation, should improve the appearance and longevity of the trees.

Re-establishing Indigenous Vegetation

In over 150 hectares of non-residential areas, Sandhurst will, where possible, seek to restore the Indigenous River Red Gum environment that existed prior to settlement. This includes a wide variety of wetland species, native trees (especially gums), shrubs and the additional planting of hundreds of River Red Gums.

Maintaining Stream Flows

An environmental flow pipe currently under construction will collect a base amount of water from the upstream catchment and transport it 2km directly through the site to the downstream discharge point. The pipe will ensure greater regularity and quantity of stream flow to the downstream catchment by reducing water loss on the site.

House Building Design

An architectural review process applies to all houses to be constructed at Sandhurst Club. All house designs are reviewed against a set of guidelines that include site requirements for solar orientation and design features such as wide eaves to reduce the requirement for artificial heating and cooling.