



NEWSLETTER MARCH 2009

We invite you to view our website at www.peterglass.com.au including following the commercial link to view images of some of our latest commercial and public domain projects.

In this issue

- [Welcome](#)
- [Gore Hill Business Park Project Approved](#)
- [Gore Hill Business Park WSUD Initiatives](#)
- [Blacktown Creek Revisited](#)

WELCOME

Welcome to the latest PGA Newsletter. The holiday break is probably only a memory now, however we hope that 2009 will be a better year for all. In this issue we look at the recently approved **Gore Hill Business Park** and some of its many environmental, building and landscape initiatives, including various applications of water biofiltration. We also look at a project featured in a 2007 PGA Newsletter and revisit the site to view the highly successful establishment of its plant material in just over 18 months.

Biofiltration of stormwater runoff is becoming standard practice on new greenfields projects but remains problematic in urban situations where there is competition between subsurface service corridors, street tree root systems and hard paving surfaces. Commitment to the value of biofiltration by project owners is the key to its inclusion in urban projects and this is the case for the new Gore Hill Business Park development.

Less common is the use of biofiltration for water features and swimming pools which our company is encouraging and pioneering as a means of minimising the extent of chemicals used for this purpose and entering the environment as a consequence.

We explain this process in detail and illustrate its environmental advantages using its intended role in the new Gore Hill project as a relevant case study.

3D images of Gore Hill Business Park produced by Rare Media and printed courtesy of Lindsay Bennelong Developments.



[BACK TO TOP](#)

GORE HILL BUSINESS PARK PROJECT APPROVED

Peter Glass and Associates were appointed by **Lindsay Bennelong Developments** in 2007 as project Landscape Architects for this prestige technology and business park redevelopment on the site of the former ABC studio complex in Gore Hill on Sydney's North Shore. This world class 90,000 m² mixed use business precinct will incorporate ground breaking energy and water supply initiatives to achieve a five green star rating.

The latest development scheme is comprised of four new energy efficient buildings situated around one central access road and public domain precinct. The proposed redevelopment features an integrated public open space system with direct physical and visual connections to surrounding streets and adjoining properties. The project has recently received Development Consent from Willoughby Council and construction is due to commence early in 2009. **Peter Glass and Associates** have worked closely with their clients, **Lindsay Bennelong Developments**, the project's Architects, **GHD Architecture** and the large consultant team to maximize environmental benefits throughout the project and to achieve a five green star energy rating for the project. We highlight below some of planned landscape and environmental features of this benchmark redevelopment project.



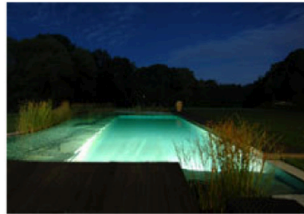
[BACK TO TOP](#)

GORE HILL BUSINESS PARK WATER SENSITIVE URBAN DESIGN INITIATIVES

The now commonplace practice of water harvesting is integrated throughout the Gore Hill project with all surface rainwater collected from roof and paving surfaces for reuse for planting bed and lawn drip irrigation as well as for sanitary purposes. The central vehicular access road through the project will feature continuous bioswale planting along both sides of the road to filter stormwater runoff from the road surface prior to it entering the local stormwater system. Additional ESD measures include the predominant use of indigenous plant material and the provision of intensive roof gardens to three of the four buildings.



The largest commercial building in the Gore Hill development will incorporate a central plaza containing shops, food outlets, cafes and an integral dynamic water feature. It is proposed to naturally biofilter this water feature by means of a large wetland pond located in the extensive 'central park' of the complex. Biofiltration on a large scale such as this can be achieved by the use of a two way pump system, combined with a layered gravel filtration zone, specifically designed to create an optimum environment for 'good' micro-organisms to flourish, which in turn feed off any organic waste matter or undesirable bacteria in the water. The filtration bed may also be the location for aquatic plants that assist in stabilizing and visually enhancing the gravel bed.



Peter Glass and Associates are also utilizing these design fundamentals in a wide range of swimming pools and water features on a variety of current projects.

Biofiltered pool image courtesy of Aquaviva Australia.

[BACK TO TOP](#)

BLACKTOWN CREEK REVISITED

Readers of our January 2007 Newsletter may recall our article on the **Blacktown Creek Industrial Estate**, Seven Hills, completed for **Australand Holdings Limited** in 2006. The accompanying two photographs demonstrate how rapidly the carefully selected virotube plant stock has established itself. This was assisted by good ground preparation, drip irrigation and a routine maintenance program implemented by Hargraves Landscapes. The first image was taken in August 2006 at Practical Completion. The second image was taken on a follow up inspection in March 2008. In a time span of just over 18 months some trees have reached a height of 6 metres, shrubs are fully developed and the banks of the detention basin are fully covered and stabilized by plant material.



[BACK TO TOP](#)

For further information on any of these projects, or if you would like to discuss aspects of any forthcoming projects you may have, please contact Peter Glass or Peter Lawson at Peter Glass and Associates on (02) 9906 2727.

Peter Glass & Associates

