



New Oakville Hospital: *Environmental and Landscaping Initiatives*

The New Oakville Hospital will incorporate 'green' design to reduce its impact on the environment and to provide staff, patients and visitors the opportunity to experience the outdoor environment as an important part of the healing process.

Starting from the ground up. The New Oakville Hospital is a greenfield project, meaning there are no pre-existing or outdated buildings on the property that could negatively affect the land. Greenfield land provides a unique opportunity to create a patient and family-centred facility that is environmentally responsible and a healthy place to visit and work.

Sustainable design and building 'green' are terms used to describe construction techniques that use resources efficiently while creating healthier buildings for patients and staff. 'Green' buildings are built to protect occupant health, use energy, water and other resources more efficiently and reduce the overall impact of the building on the environment.

Taking the LEED. The new hospital project will use the Leadership in Energy and Environmental Design (LEED®) Canada approach, a rating system for new construction and major renovations which uses benchmarking tools for the design, construction and maintenance of green buildings.

The New Oakville Hospital is working toward a Silver LEED®, or higher, certification – the highest standard to be achieved by a hospital in Ontario.

Achieving Silver. In order to achieve the Silver LEED® certification, the New Oakville Hospital project must meet certain prerequisites and performance benchmarks within a set of categories.

These five key areas are:

Sustainable site:

Recognizing the ecological integrity of the site and pursuing strategies to minimize disruptions and consider the impact beyond the physical structure.

Water efficiency:

Balancing the water quality and quantity demands within the building.

Energy and atmosphere:

Evaluating opportunities to reduce energy consumption and use renewable energy sources wherever possible.

Materials and resources:

Using sustainable materials to enhance the building's environmental health performance.

Indoor environmental quality:

Balancing a well day-lit, comfortable, energy efficient and non-toxic environment resulting in improved productivity and patient outcomes.

Landscape Sustainability. Innovative solutions for landscape design will incorporate environmental and sustainable elements.



Storm water management. Bioswales will be integrated into the site to improve circulation and to remove silt and pollution from surface runoff water.

Heat reducing islands will be created across the parking lots and throughout the site.

Energy efficient plant materials will be used with drought tolerant native species to increase water efficiency.

Circulation. Site circulation will be promoted through combined pedestrian/cycling routes that loop throughout the grounds and can be used as both a leisure and therapeutic tool.

The design will provide several north/south and east/west connections to the municipal perimeter roadways, allowing Visitors to walk or cycle around the entire hospital site and the natural landscape of the nearby Glenorchy Conservation Lands.

Movement around the site will tie the landscape to the community and encourage pedestrian and bicycle use as a means of transportation.

For more information about the New Oakville Hospital, visit www.newoakvillehospital.com.