

Northwest Quadrant Environmental Park and Trail System Newmarket, Ontario, (2007-2009)

Stantec was retained by the Town of Newmarket to develop the design for an Environmental Park and Trail System design, adjacent to and within part of a densely forested 300 acre valley system. The detailed design for this Park and multi use trail takes into consideration alignment, pavement materials, grading, artwork, signage and innovative design solutions for the various user groups including the physically handicapped, pedestrians and cyclists. A Public Information Session was held for this project and the first phase of construction was recently completed. Mike Dartizio was project manager for this multi-disciplinary all-Stantec team project. Besides Landscape Architecture, other disciplines include Civil Engineering, Structural Engineering, Architecture, Survey and Geomatics, Arboriculture and Water Resource Engineering. No outside sub-consultants were required.

The Park includes an environmental education component, including pavement imprints of native tree foliage and text of tree names relating to the natural succession of the adjacent forest. A series of 'drumlin-shaped' berms were designed, relating to the natural geology of the area, and providing opportunities for play and views. Alternative energy sources are highlighted within the park including solar lighting. The design includes the use of porous pavement, zero run-off of storm water, preservation of existing vegetation, a custom playground and an outdoor classroom carved out of a slope on site. The trail component has a handicapped accessible loop, providing all to experience a variety of the natural habitats within the forest. The park design is rooted in the natural character of the context and was very well received by the neighbourhood during the Public Consultation component of its development. The contract price was \$1.3 million.

- FEATURES:
1. PAVILION
 2. GREAT LAWN
 3. SUCCESSIONAL FOREST
 4. PLAYGROUND
 5. PROPOSED WINDMILL
 6. TRAIL
 7. AMPHITHEATER
 8. PARKING LOT
 9. DRUMLIN SHAPED BERMS
 10. PERMEABLE PAVING
 11. SOLAR POWERED LIGHTS
 12. THREE STREAM WASTE COLLECTION
 13. RECYCLED GRANULAR BASE FOR WALKWAYS
 14. CONTROL AND CAPTURE OF ALL STORMWATER RUN-OFF



