

Taunton North Secondary Plan Study

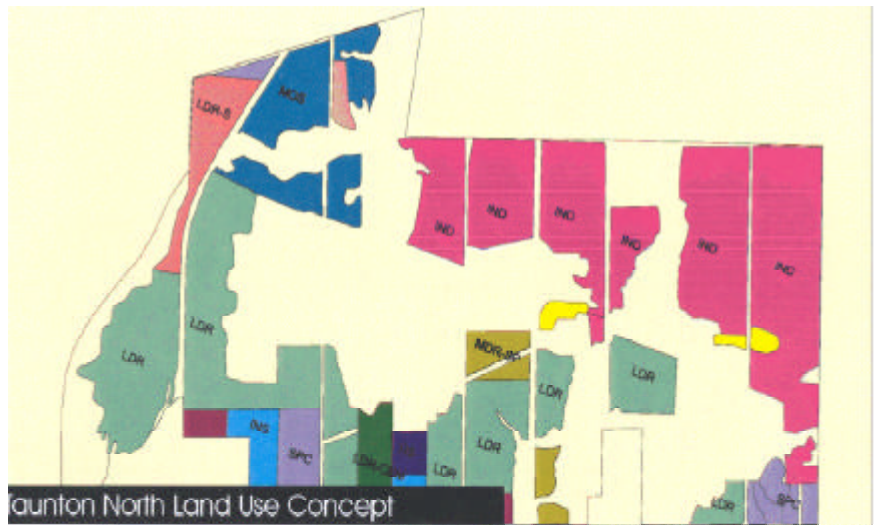
LEA in association with Lorelei Jones and Associates and Gartner Lee Ltd. was engaged by the Town of Whitby to provide engineering services for the preparation of the Municipal Services and Stormwater Management Component for the Secondary Plan Study of the Taunton North Community.

The study area is approximately 480 hectares and will house a residential population in excess of 12,000 inhabitants.

The preparation of the secondary plan involved planning, environmental, transportation and municipal consultants. LEA provided the Municipal and Transportation expertise. The Secondary Plan was completed using a process that involved a technical steering committee comprised of representatives from the Town of Whitby, Region of Durham, CLOCA, and other public stakeholders. The phased approach allowed the consulting team to incorporate input from the various entities into the secondary plan.

The capacity and the extension of the existing municipal infrastructure was verified and the land use densities were given upper ceiling values in light of pumping station and sanitary sewer capacity constraints for one of the sewersheds in the study area.

In terms of water supply, the background report recommended the expansion of the water distribution network for the northern sector of the study area falling within another pressure zone.



In regards to stormwater management, the Taunton North Community is drained by two major watercourses traversing the study area from north to south. A master drainage plan update study was recently completed for the Pringle Creek watershed, which drains the largest portion of the study area. The recommendations of this report were adopted in the secondary plan background report. The hydrologic models for both watersheds were reviewed, adopted and summarised for the secondary plan study.

The Taunton North Community is situated in the Lake Iroquois beach formation and as such has a high recharge - discharge function. This was a major factor in the drafting of the land use schedule and in recommending the stormwater best management practices that would mitigate any impacts on this major geological feature.

The municipal servicing thus recommended the installation of trench plugs for the sewer and watermain trenches, and the use of PE and PVC pipe materials for the sanitary and storm sewers where the ground conditions warranted their use.

PROJECT SUMMARY

Client:
**The Corporation of the
Town of Whitby**

Location:
**Taunton North Community,
Town of Whitby, Region of
Durham**

Services Provided:
**Municipal Servicing Planning,
Conceptual Design,
Stormwater Management and
Transportation Planning**