EXISTING CONDITIONS

An inventory of the existing conditions within the study area was completed to facilitate an evaluation of relative impacts of sanitary servicing alternatives on the existing natural and social environment. Existing conditions within the study area were identified in the following general categories:

- Natural Environment
- Social Environment
- Sanitary Servicing

Detailed evaluations of the existing natural environment and geotechnical conditions were completed as part of the consultant assignment, and are summarized in the following subsections.

NATURAL ENVIRONMENT

Stantec ecological staff completed a background review and detailed field investigations within the study area to identify and characterize the natural features and associated ecological functions.

A number of area sensitive bird species, including the Pileated woodpecker, Pine warbler, White-breasted nuthatch, Hairy woodpecker and Wood thrush, were identified within the study area. Amphibian breeding habitat was identified within the swamp community along Strasburg Creek, within the central woodland/wetland feature and within the cultural plantation along Huron Road for a variety of frog species. No endangered, threatened or special concern species were identified during the field investigations.

SOCIAL ENVIRONMENT

The Huron Park Community Area currently includes a mix of existing single/semi/townhome residential lots (including schools/parks/places of worship) and agricultural land. Much of the agricultural land is subject to development applications, which will create further residential, commercial, and/or employment land uses within and adjacent to the general study area.

SANITARY SEWAGE SERVICING

At present, a 900mm diameter trunk sanitary sewer outlet has been constructed within the Strasburg Road right-of-way, to a point approximately 100m beyond the crossing of the Main Branch of Strasburg Creek. This trunk sewer then extends northerly (as a 675mm diameter trunk), servicing the Middle Strasburg sewershed area. The existing 900mm diameter trunk sanitary sewer is sized to accommodate flows from both the Middle and South Branch sewershed areas.