2.0 Sanitary Sewers

Appendix B provides the sanitary sewer design sheets. As noted earlier, the overall sewer system consists of 200 mm, 250 mm and 300 mm diameter sanitary sewer.

The overall sewer collection system has two (2) general drainage basins due to local topography. The major drainage system drains sewage to new sewage pumping station #1 (main station) located just north of Main Street and just west of 2nd Avenue north.

The summary of peak flows draining to the main sewage pumping station is as follows:

- Peak residential sewage flow..... 43.46 L/s
- Peak extraneous flow..... 4.42 L/s
- **Sum of above two flow components** .....**47.88 L/s**
- Peak sewage flow from main community washroom located at sewage pumping station site ..... 12 L/s
- Additional peak sewage flow from public washrooms at Chesley Street ..... 2 L/s

Total flow for main sewage pumping station area.....61.88 L/s (62 L/s)

Page 3 of the sewer design sheet would indicate that the total flow at sanitary manhole 33A (discharging to the sewage pumping station) has an accumulated population of 2,360.

However, this population is for calculation purposes only and was developed to estimate the peak flow when tourist activity (typically on long weekends during the summer period) is extremely heavy in the Sauble Beach area. As such, in Appendix B1 is Table A, which provides a supplementary sanitary sewer, design sheet.

This supplementary sanitary sewer design sheet provides for each individual sewer element (for each manhole to manhole pipe section), the number of actual real connections, the normal population serviced by the sewer element at 2.5 persons per connection and the equivalent connections in select cases where 10 times the number of persons has been assumed to account for peak usage during high traffic summer periods.

At the end of Table A, the total number of connections, as noted, is 280 with a normal population of 700 persons at 2.5 persons per connection. The equivalent population for those select sewer pipe elements where an estimated 10 times the population would occur are shaded and the higher equivalent population is used on the main sewer design sheets for those particular sewer length elements.