

Project: 15867 Airport Road, Caledon, ON  
Table A1: Water and Wastewater Modelling Demand Table

|  | Units | Persons |               |
|--|-------|---------|---------------|
| Proposed Residential                   |       |         |               |
| Singles/Semis                          |       |         |               |
| townhouses                             |       |         |               |
| large apartments (>750sqft)            |       |         |               |
| small apartments (<=750sqft)           |       |         |               |
| Total Proposed Residential             |       |         |               |
| Proposed Institutional Population      |       | 28      | Students      |
| Proposed Employment Population         |       | 5       | Staff members |
| Total                                  |       | 33      |               |
| Proposed GFA (commercial/retail) (sqm) |       |         |               |

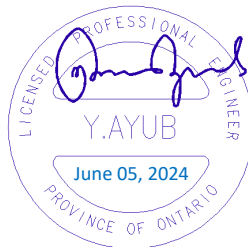
**WATER CONNECTION**

| Hydrant flow test (To be Completed) |                            |                 |            |               |       |
|-------------------------------------|----------------------------|-----------------|------------|---------------|-------|
| Hydrant flow test locations         |                            | Airport Road    |            |               |       |
|                                     | Pressure (kPa)             | Flow (in l/s)   | Time       |               |       |
| Minimum water pressure              |                            |                 |            |               |       |
| Maximum water pressure              |                            |                 |            |               |       |
| No.                                 | Demand type                | Water demands   |            |               | Total |
|                                     |                            | Demand (in l/s) |            |               |       |
|                                     |                            | Residential     | Commercial | Institutional |       |
| 1                                   | Average day flow           |                 |            | 0.11          | 0.11  |
| 2                                   | Maximum day flow           |                 |            | 0.16          | 0.16  |
| 3                                   | Peak hour flow             |                 |            | 0.34          | 0.34  |
| 4                                   | Fire flow                  |                 |            |               | 66.67 |
| Analysis                            |                            |                 |            |               |       |
| 5                                   | Maximum day plus fire flow |                 |            |               | 66.83 |

**WASTEWATER CONNECTION**

|   | Discharge Location  | Flow  |
|---|---|-------|
| 6 | Wastewater sewer effluent (in l/s)<br>Ex. Service Connection from Ex. 250 mm dia. Sanitary Sewer (Airport road) | 0.46  |
| 7 | Wastewater sewer effluent (in l/s)  |       |
| 8 | Wastewater sewer effluent (in l/s)  |       |
| 9 | Total Wastewater sewer effluent (in l/s)  | 0.46* |

\* As per Region of Peel Guidelines, population less than 1000 persons, sewage flow to be 0.013 m<sup>3</sup>/sec.



**Yasar Ayub, P.Eng**  
**Project Manager**  
05-Jun-24