# City of Burlington Pedestrian Level Wind Study Submission Checklist

Name of Project: 1396 Guelph Line

Municipal Address of Project: 1396 Guelph Line, Burlington, ON

Name of Applicant: The Infinity Group Inc.

Wind Study Prepared By: SLR Consulting (Canada) Ltd.

Date of Submission: _____

| **Type of Study Provided** | Check if Included |
|---|---|
| Desktop Assessment | ☑ |
| Computational Fluid Dynamics (CFD) | ☐ |
| Wind Tunnel Test | ☐ |

**Proposal**

Number of buildings proposed: 1

Height of tallest proposed building: 42 m

Height of second tallest proposed building (if applicable): ____ m

**Site**

Site Area: 1.03 ha

Distance from nearest low-rise residential neighbourhood area (including Residential -Low Density and -Medium Density): 17.6 m

| | Yes | No |
|---|---|---|
| Located between Queen Elizabeth Way and the Lake Ontario Shoreline | ☐ | ☑ |

| **Technical Report Provided** | Check if Included |
|---|---|
| | ☑ |

| **Identification of Site Elements** | |
|---|---|
| Buildings to Remain (if applicable) | ☑ |
| Major Building Entrances | ☑ |
| Sidewalks | ☑ |
| Parking Lots | ☑ |
| Public Amenity Spaces | ☐ |
| Transit Stops | ☑ |

| **Wind Data Sources** | Check if Included |
|---|---|
| YHM (John C. Munro Hamilton) Airport | ☑ |
| Other Source: _____ | |
| Other Source: _____ | |
| Other Source: _____ | |

| **Wind Data** | Check if Included |
|---|---|
| Summer (May - October) | ☑ |
| Winter (November - April) | ☑ |
| Number of wind directions tested: 16 | |

| **Configurations** | Check if Included |
|---|---|
| Existing | ☑ |
| Proposed | ☑ |
| Mitigation (if applicable) | ☐ |

| **Wind Tunnel Test (if applicable)** | ☐ |
|---|---|
| Model Scale 1: _____ | |
| Approved Sensor Plan Provided | ☐ |

**Wind Impact Criteria Results**

| The proposal meets the applicable Wind Impact Criteria for: | Yes | No |
|---|---|---|
| Pedestrian Wind Comfort | ☑ | ☐ |
| Pedestrian Wind Safety | ☑ | ☐ |

| **Mitigation** | Yes | No |
|---|---|---|
| Are any Mitigation Measures proposed? | ☑ | ☐ |