City of Burlington Pedestrian Level Wind Study Submission Checklist

Name of Project: 1120 Cooke Boulevard

Municipal Address of Project: ADI Development Group

Name of Applicant: Mr. Sam Badawi

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

Date of Submission: July 1, 2021

Type of Study Provided	Check if Included
Desktop Assessment	☐
Computational Fluid Dynamics (CFD)	☐
Wind Tunnel Test	☒

Proposal

Number of buildings proposed	3
Height of tallest proposed building	118 m
Height of second tallest proposed building (if applicable)	104 m

Site

Site Area	0.95 ha
Distance from nearest low-rise residential neighbourhood area (including Residential -Low Density and -Medium Density)	45 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	36

Configurations	Check if Included
Existing	☒
Proposed	☒
Mitigation (if applicable)	☒

Wind Tunnel Test (if applicable)	☒
Model Scale	1: 400
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?	☒	☐