

Shadow Study Summary

Site Coordinates: 43° 35' 00 - 79° 33' 00
Base Plan Source: Google Earth

SECTION 3: CRITERIA
3.1 Residential Private Outdoor Amenity Spaces

Overall Compliance: NON-COMPLIANT

Required
On June 21 and September 21, the shadow impact on private residential amenity spaces should not exceed more than two consecutive hourly test times within the No Impact Zone.

Proposed
In June 21 and Sep 21, the East Neighbor Residential Property Outdoor Amenity is affected just over 2 hours.

3.2 Communal Outdoor Amenity Areas

Overall Compliance: COMPLIANT

Required
On June 21, September 21 and December 21, the shadow impact on community outdoor amenity areas (children's play areas, school yards, tot lots, park features, etc.) should allow for full sun on the above places at least half the time. This is based on a "sun access factor".

Proposed
The shadow have minimal affect from sunrise to 11:20am less than 14.9% of total area, and starts to increase gradually till 85.9% at 4:20pm.

3 Public Realm

Overall Compliance: COMPLIANT

Required
On September 21, developments should be designed to allow full sunlight on the opposite boulevard and sidewalk for a total of at least 4 hours on Low and Medium Density Residential Streets and for at least 5 hours on Mixed-use, Commercial, Employment and High Density Residential Streets.
Developments should also be designed to provide a "sun access factor" of at least 50% on public open spaces, parks and plazas.

Proposed
On September 21, the proposed development does not cast shadow onto the opposite boulevard and sidewalk (Fergus Ave) from 11:10 am to 7:50 PM for a total of 8.40 hours of full sunlight.

4 Turf and flower gardens in Public Parks

Overall Compliance: NOT APPLICABLE

Required
On September 21, the proposed development should allow for minimum of 6 hours of direct sunlight on turf and flower gardens in public parks.

Proposed
The shadow impact from the proposed development does not affect any turf and flower gardens. Spaces of this description are not located in the context directly surrounding the site.

3.5 Building Faces to allow for the possibility of using solar energy

Overall Compliance: COMPLIANT

Required
On September 21, shadow impacts from the proposed development should not exceed one hour (two test times) in duration on the roofs, front, rear and exterior side walls of adjacent low rise residential buildings.

Proposed
In December only, the residential building appear to receive shadow from the proposed development for one hour from 2:15 PM to 3:15 PM. This is in compliant with the requirements.



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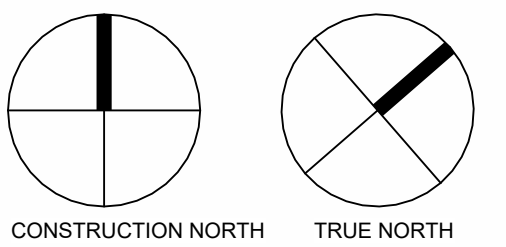
NO.	ISSUED	DATE
1	REISSUED FOR 2BA	2022.09.12

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SEAL



RESIDENTIAL MID-RISE

1303 LAKESHORE RD E
MISSISSAUGA, ON

SHEET NAME

SUN- JUNE SHADOW STUDY IMPACT

START DATE: JUNE 2021

DRAWN BY: ME / SR

CHECKED BY: LC

SCALE: As indicated

PROJECT NO. 121027

DRAWING

A001c

