

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 communal 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 impact from sunrise to 10:17am less than 31% of total area and starts to increase gradually till 100% at 3:15pm.

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.



Chamberlain Architect Services Limited

4671 Palladium Way (Unit 1)
 Burlington, Ontario, L7M 0W9
 CANADA

Phone: 905.631.7777

www.chamberlainIPD.com

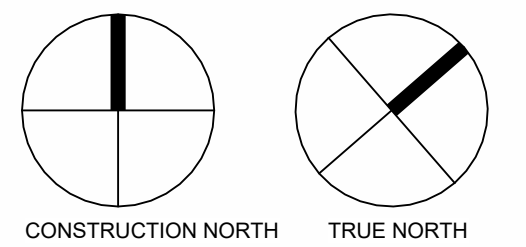
NO.	ISSUED	DATE
1	REISSUED FOR ZBA	2022.09.12

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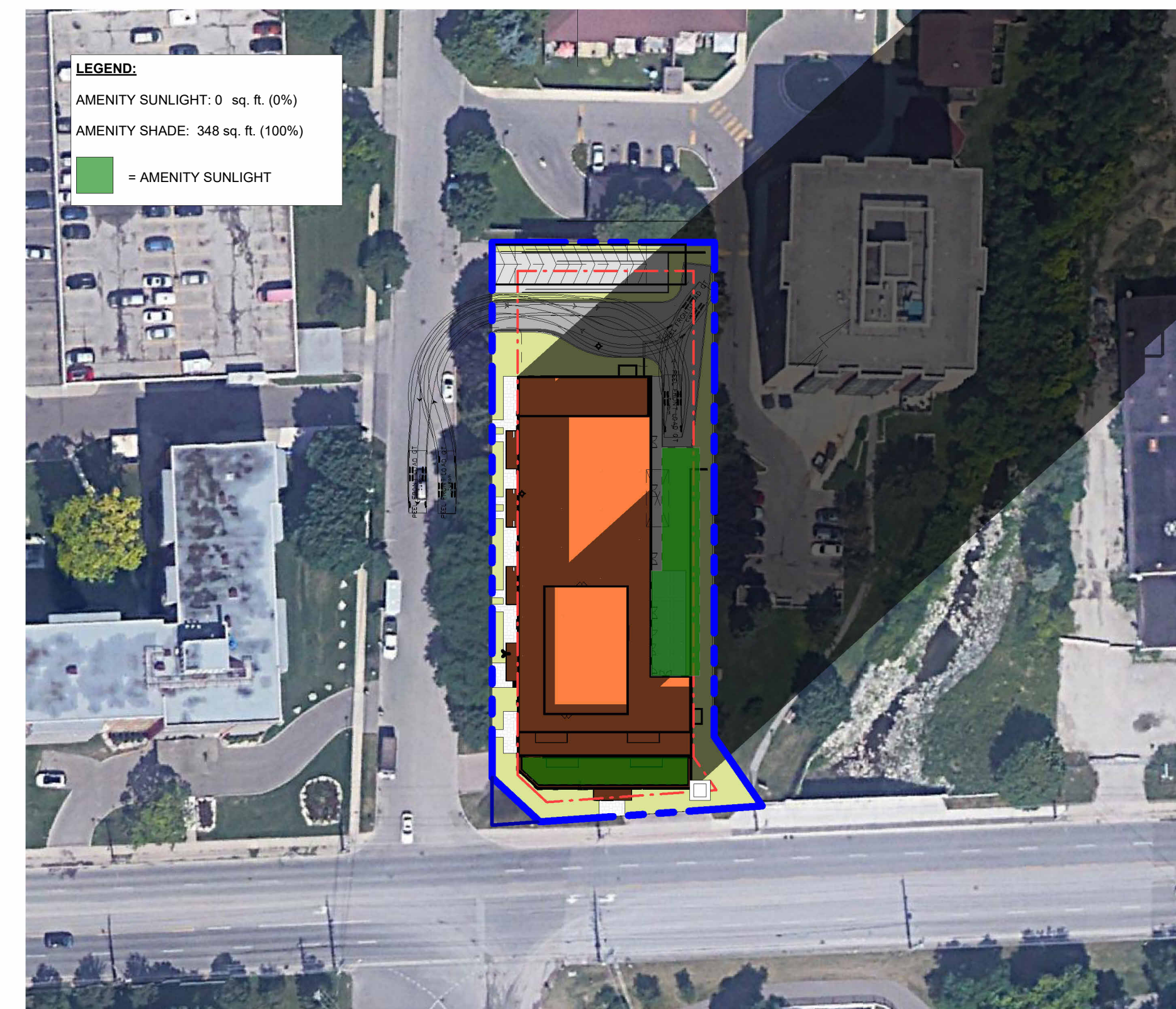
**RESIDENTIAL
 MID-RISE**

1303 LAKESHORE RD E
 MISSISSAUGA, ON

SHEET NAME

**SUN- DEC
 SHADOW STUDY
 IMPACT**

START DATE	JUNE 2021
DRAWN BY	ME / SR
CHECKED BY	LC
SCALE	As indicated
PROJECT NO.	121027
DRAWING	



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