

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 am, less than 38.5% of total area, and starts to increase gradually till 78.1% at 4:12pm.

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 Facades 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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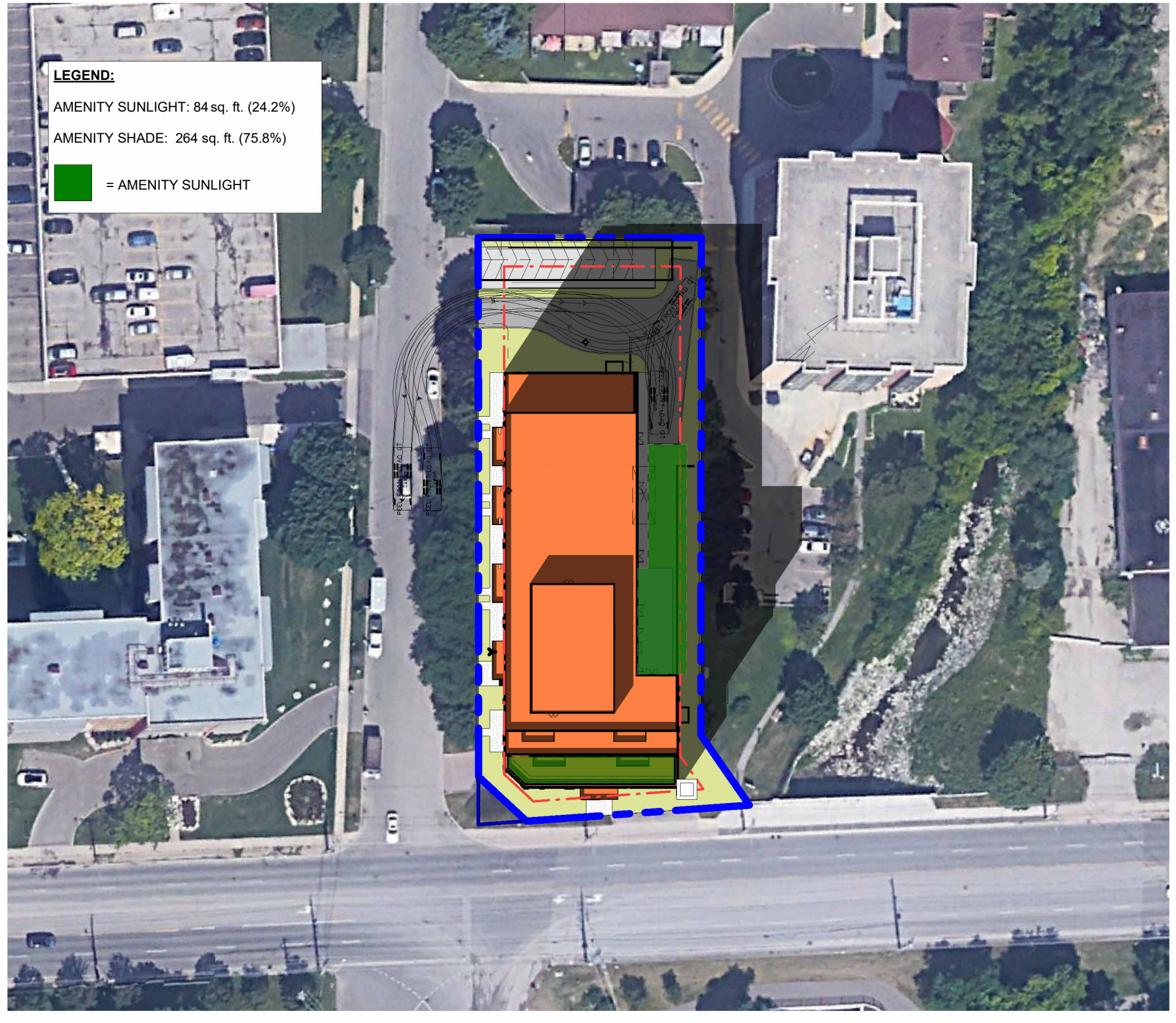
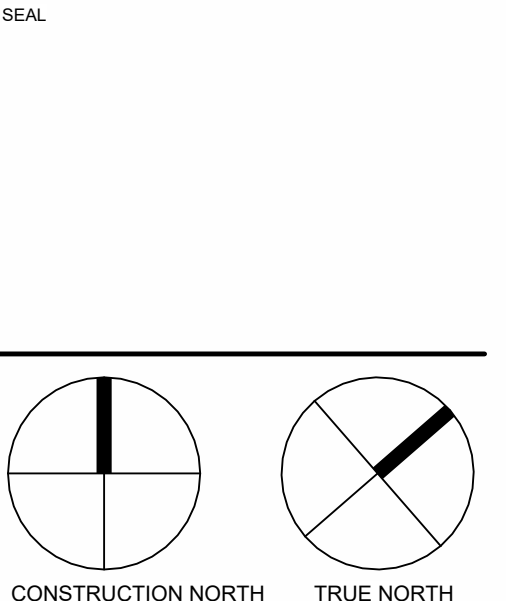
4671 Palladium Way (Unit 1)
 Burlington, Ontario, L7M 0W9
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Phone: 905.631.7777

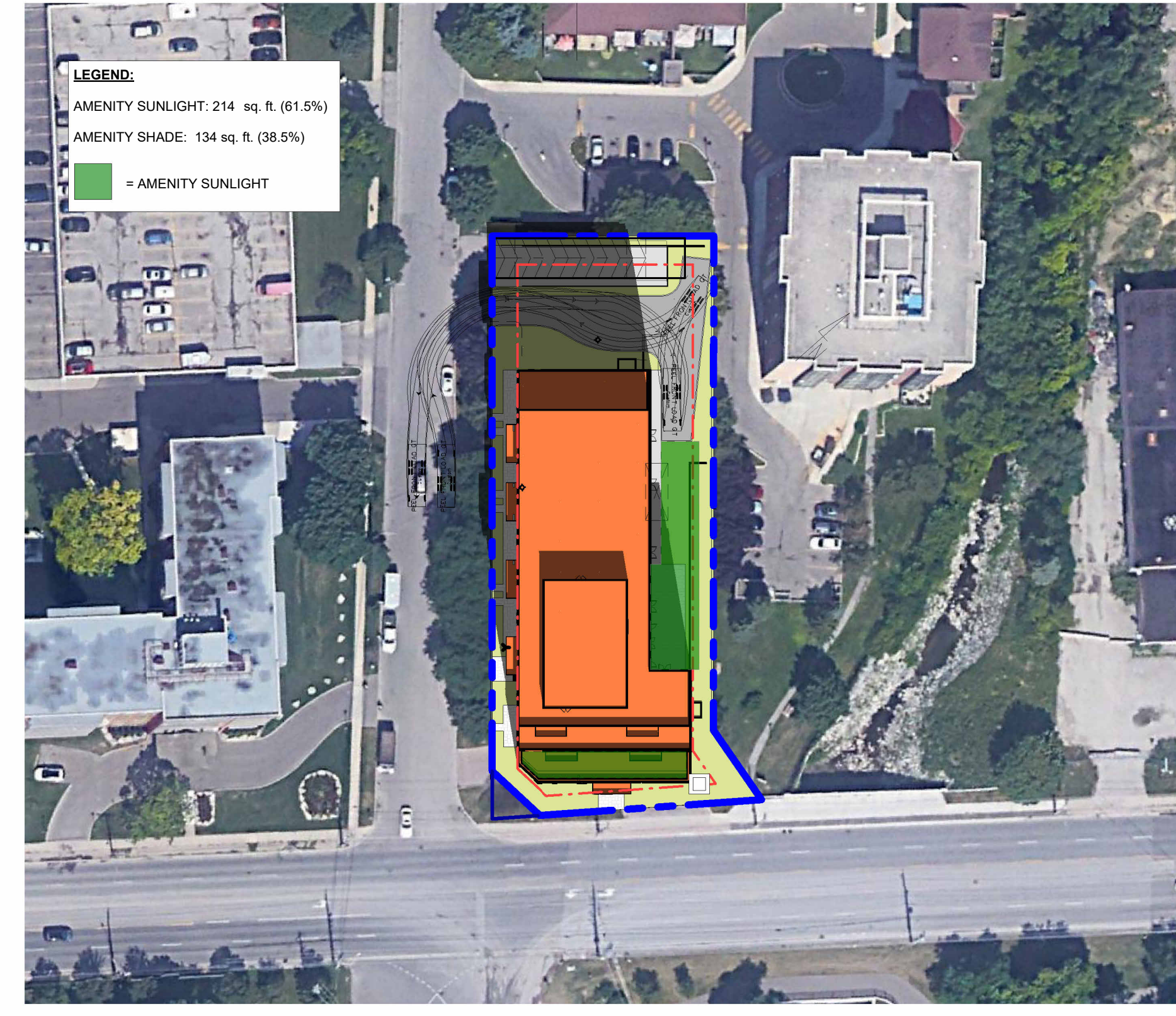
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NO.	ISSUED	DATE
1	ISSUED FOR ZBA	2022.09.12

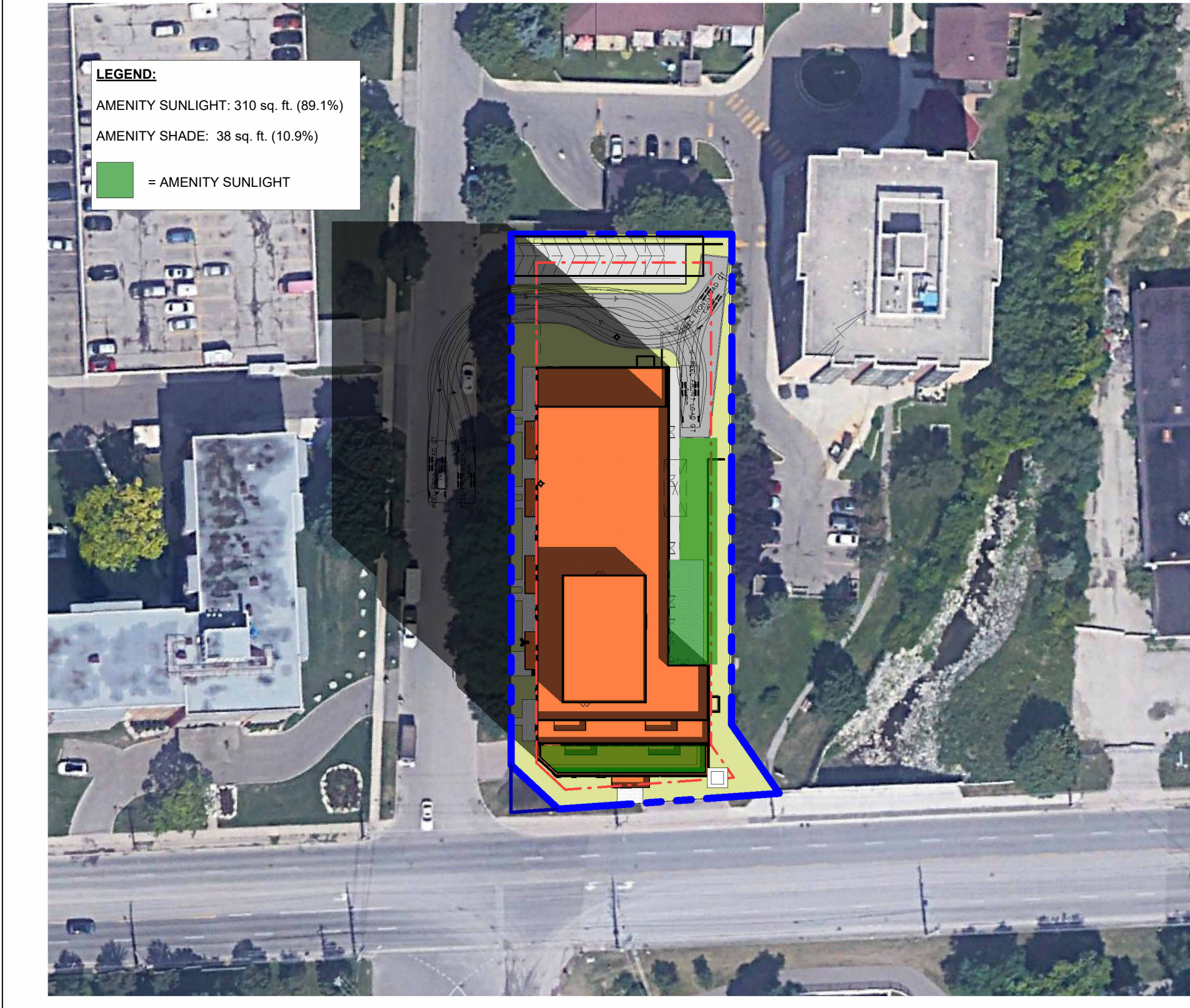
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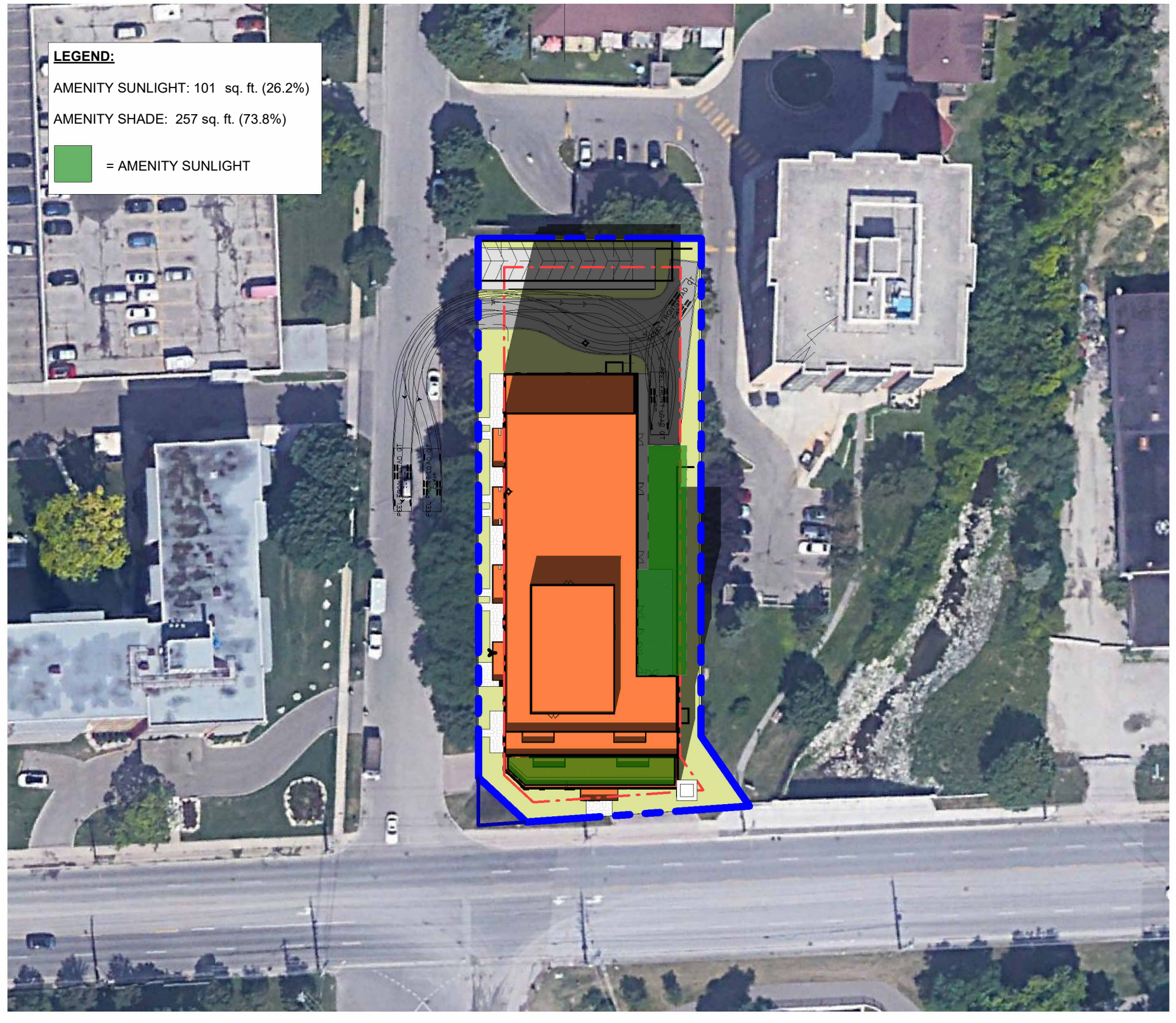
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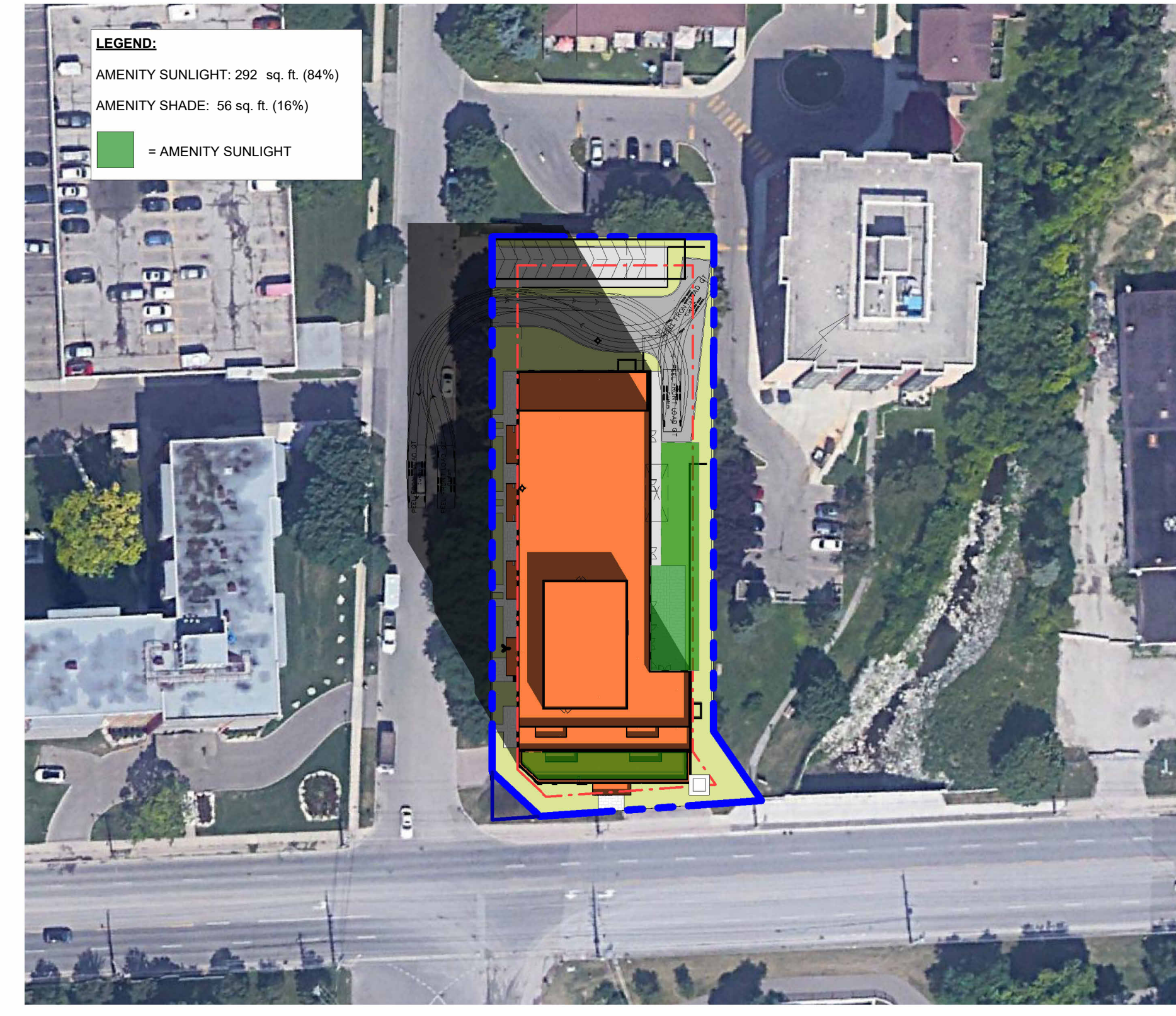
4 Sep21- 1112 AM
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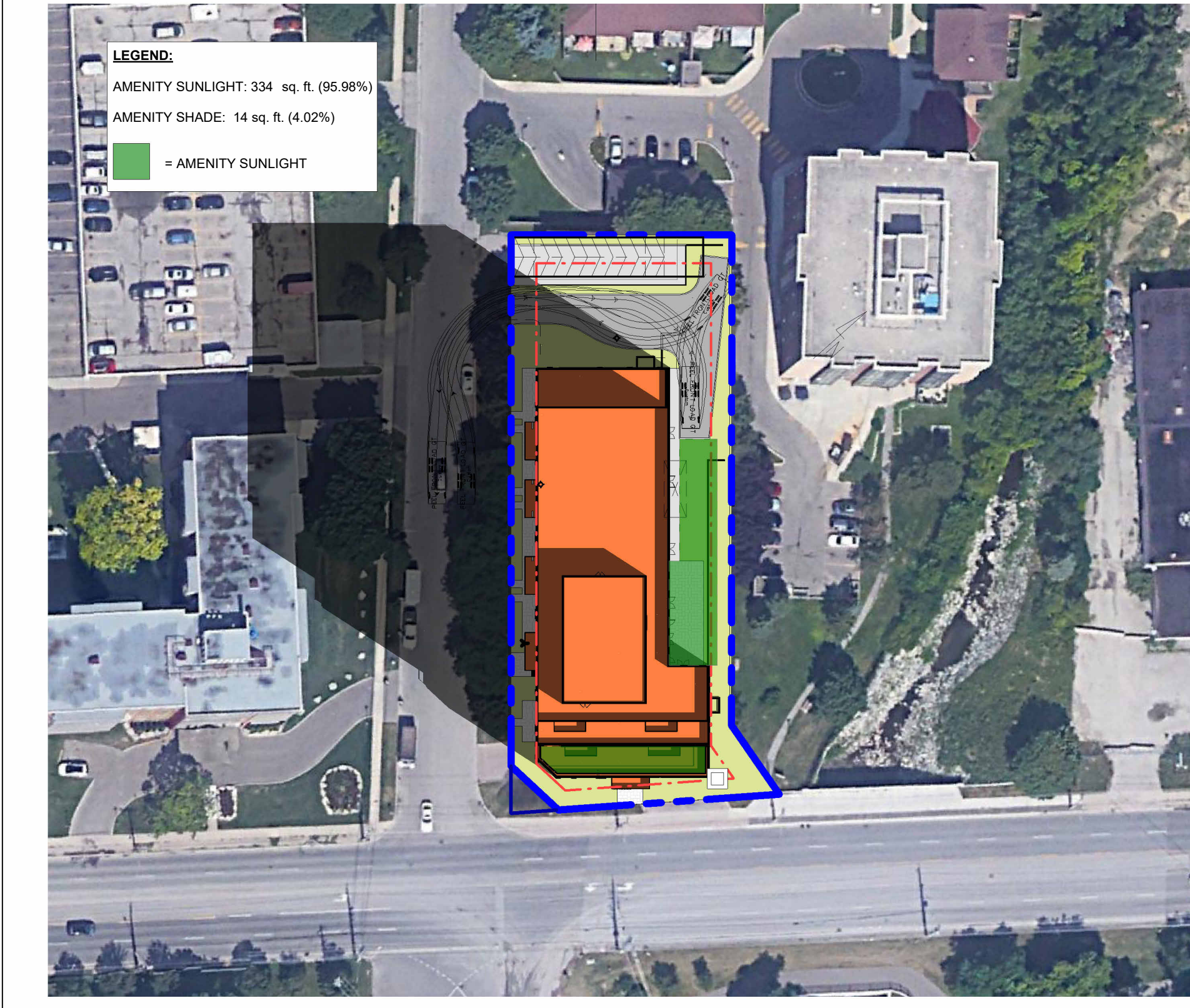
2 Sep21- 0912 AM
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5 Sep21- 1212 PM
 A001d 1 : 750



3 Sep21- 1012 AM
 A001d 1 : 750



1 Sep21- 0835 AM
 A001d 1 : 750

RESIDENTIAL MID-RISE

1303 LAKESHORE RD E
 MISSISSAUGA, ON

SUN- SEP SHADOW STUDY IMPACT

SHEET NAME

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

DRAWING
A001d

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