

**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.

**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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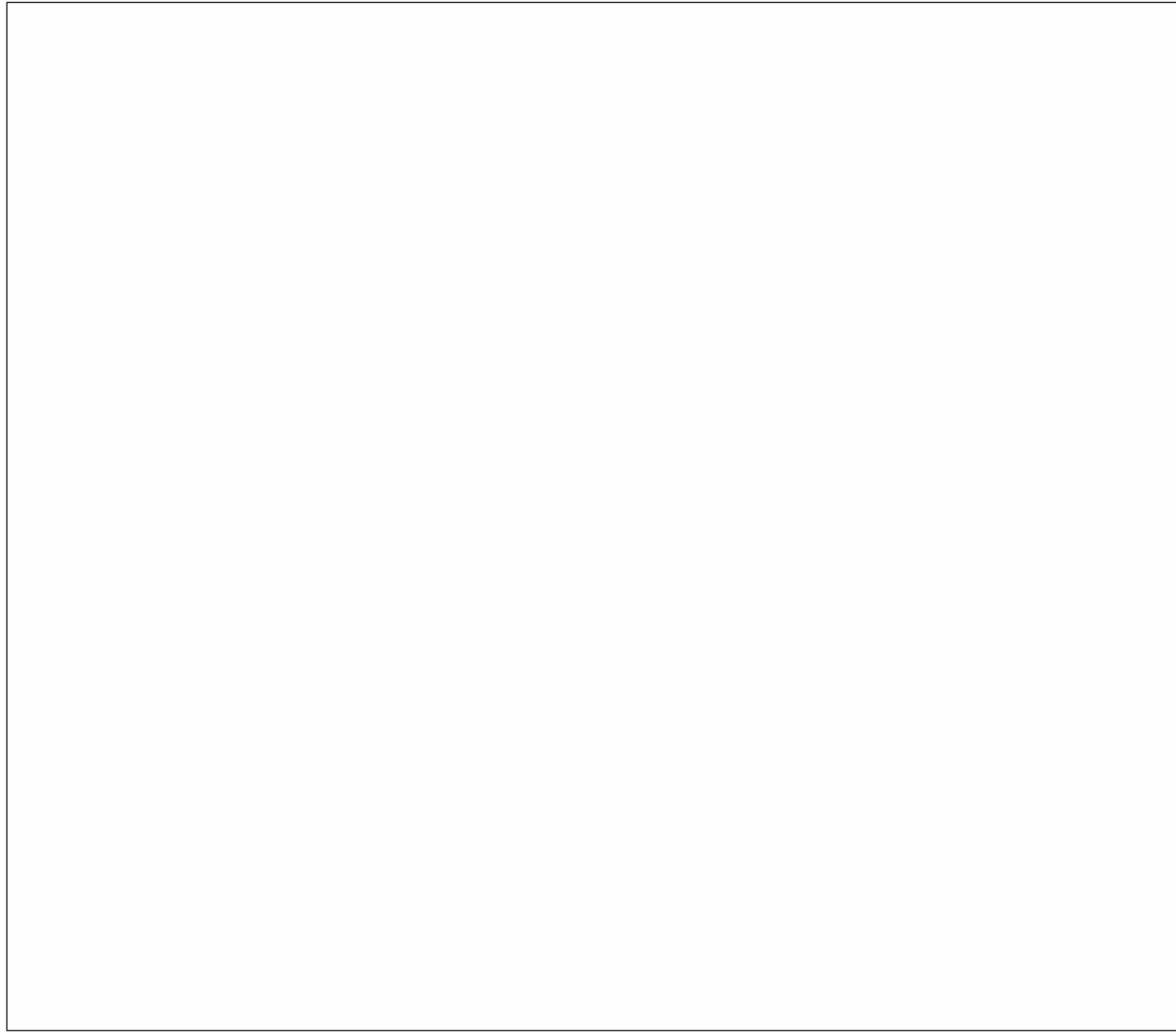
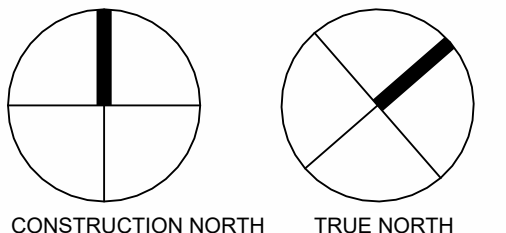
NO.	ISSUED	DATE
1	ISSUED FOR ZBA	2022.09.12

DO NOT SCALE DRAWINGS. USE ONLY DRAWINGS MARKED "ISSUED FOR CONSTRUCTION". VERIFY CONFIGURATIONS AND DIMENSIONS ON SITE BEFORE BEGINNING WORK. NOTIFY ARCHITECT IMMEDIATELY OF ANY ERRORS, OMISSIONS OR DISCREPANCIES.

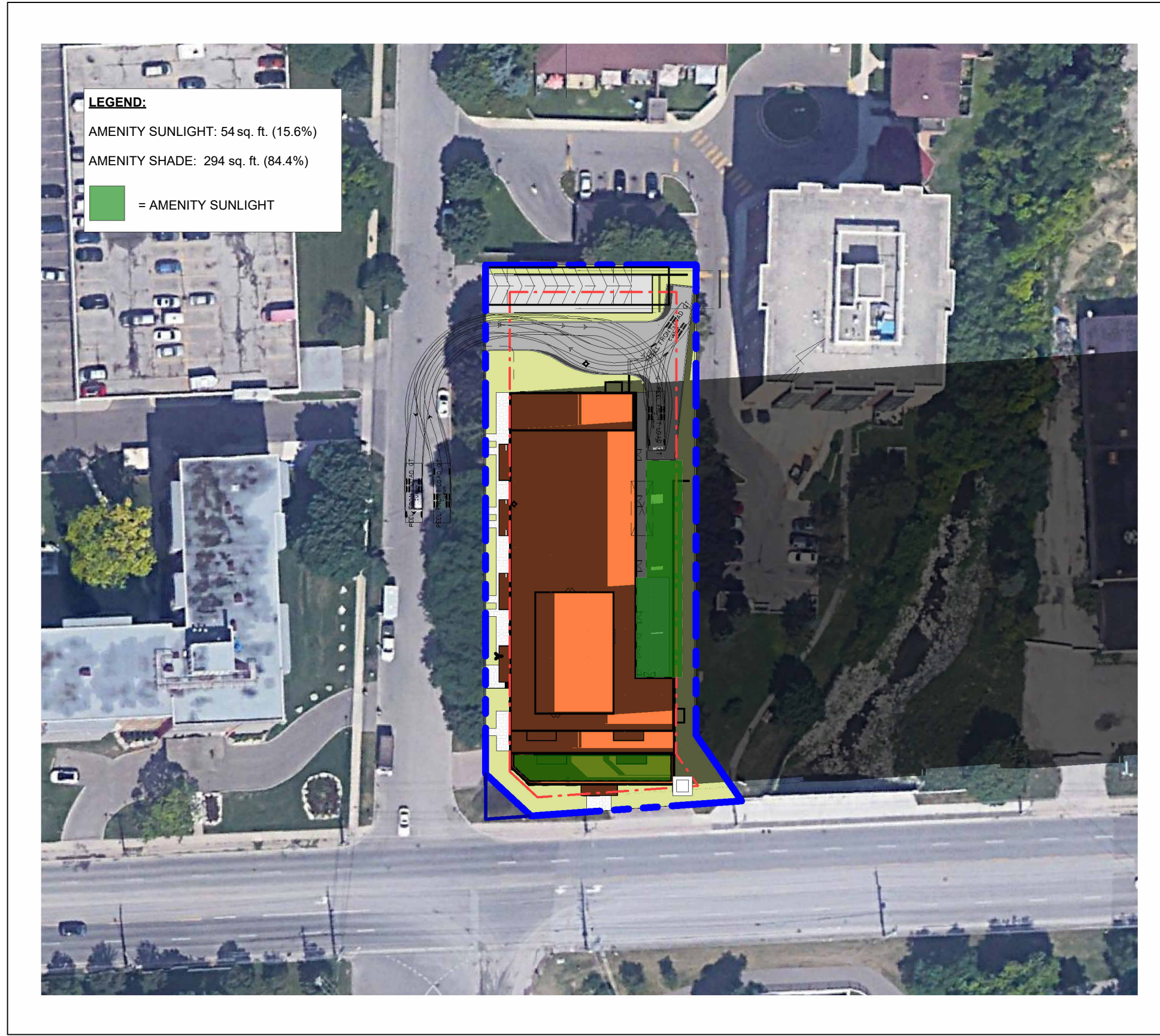
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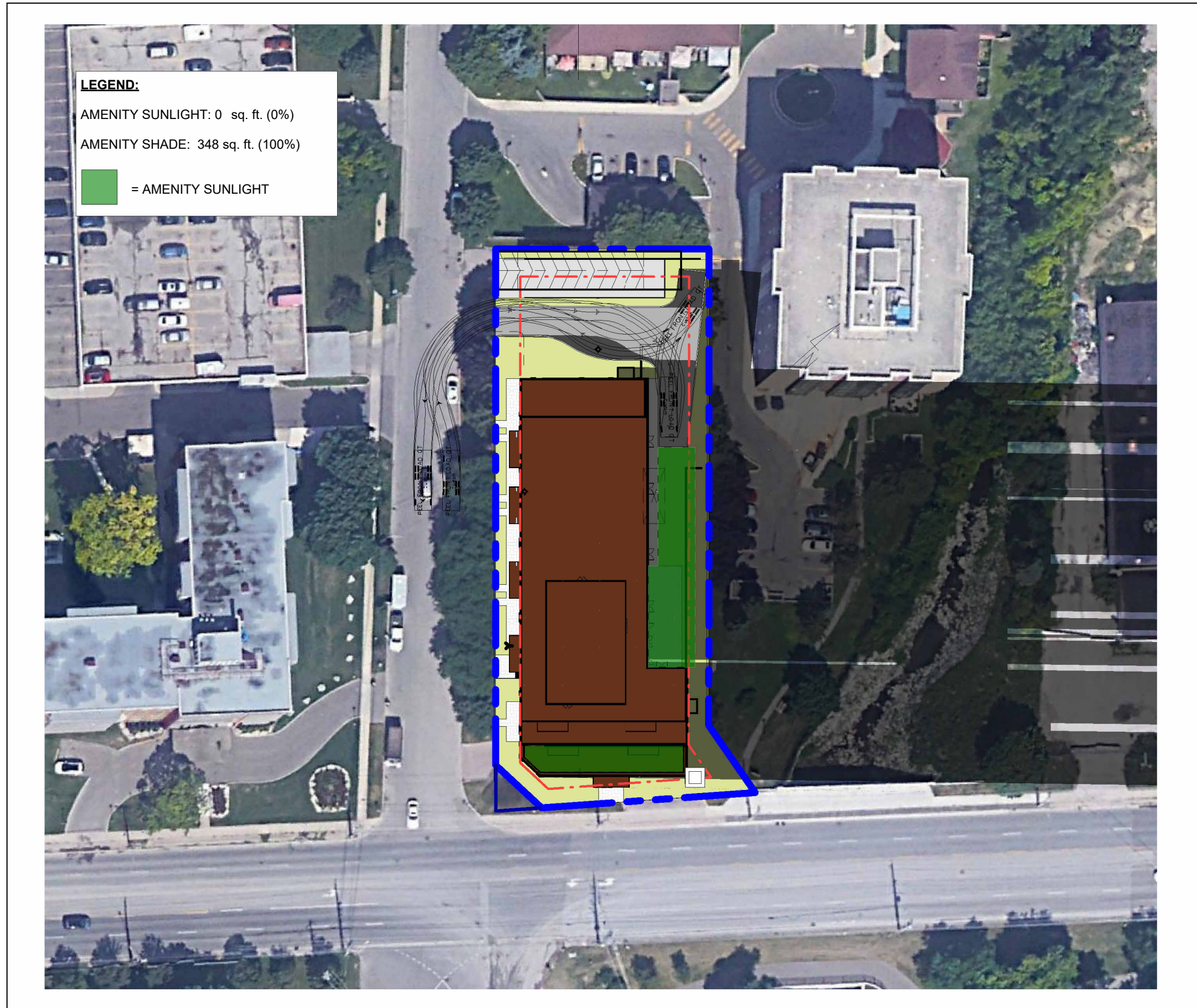
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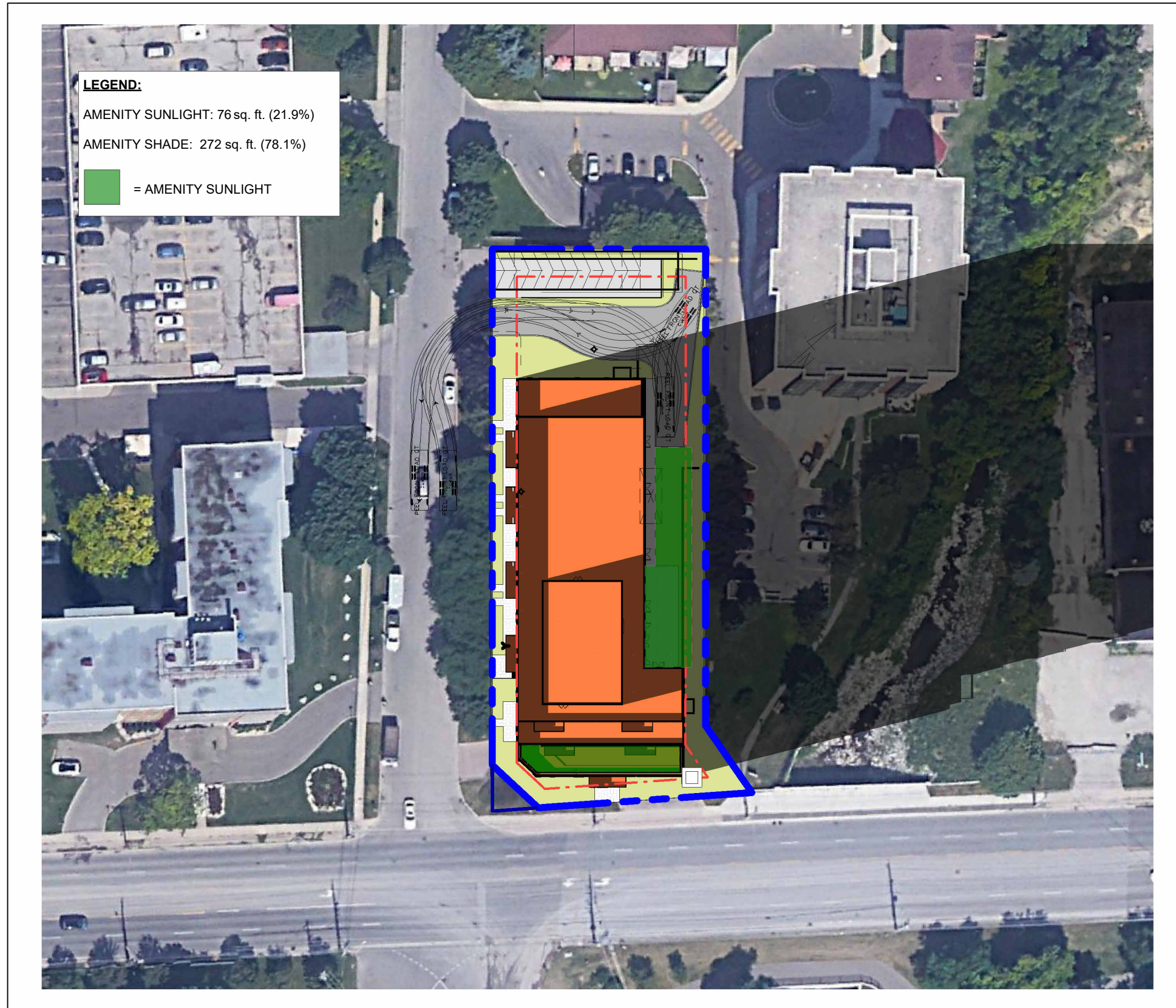
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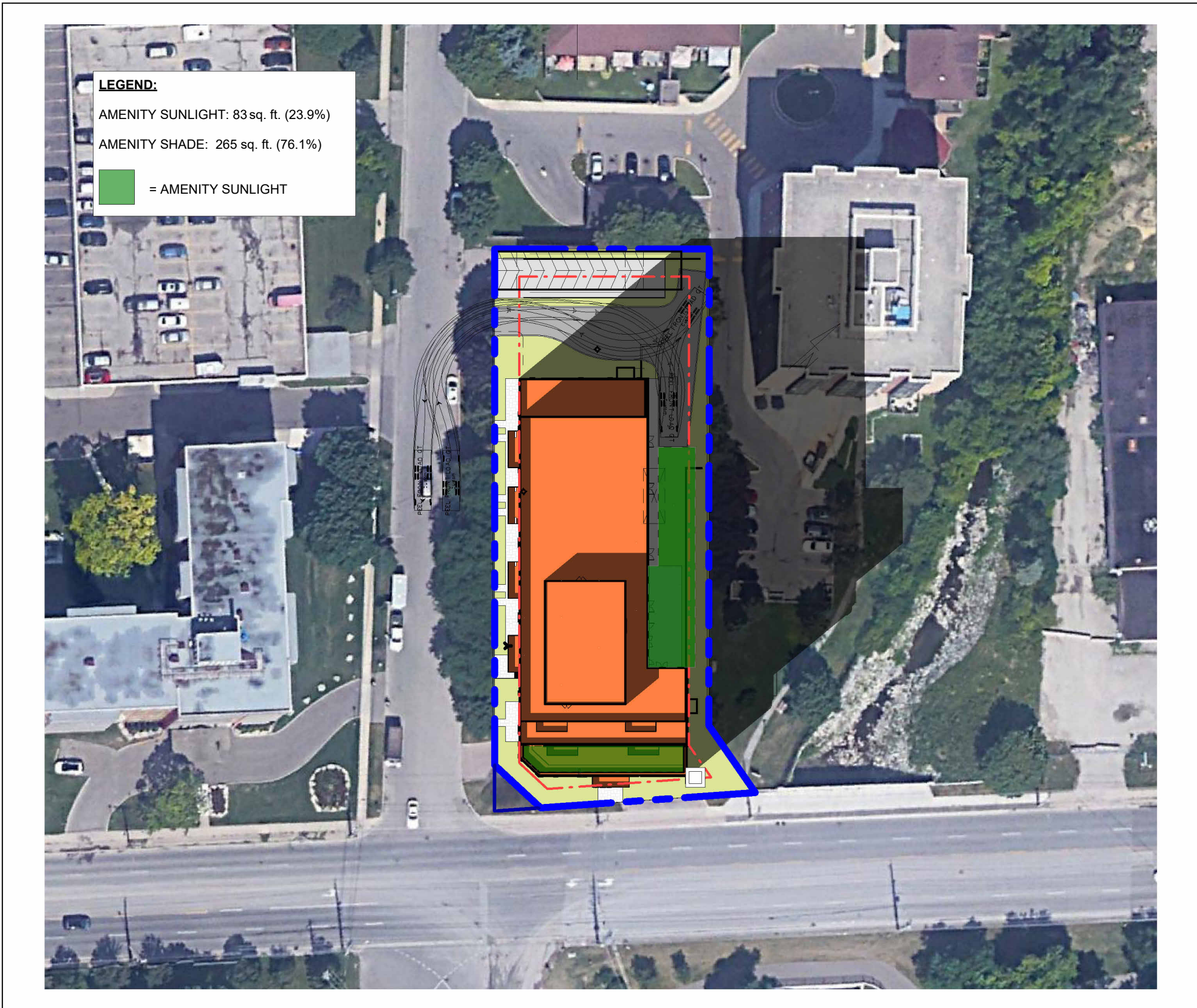
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3 Sep21- 0412 PM  
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1 Sep21- 0212 PM  
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**RESIDENTIAL MID-RISE**

1303 LAKESHORE RD E  
 MISSISSAUGA, ON

SHEET NAME

**SUN- SEP SHADOW STUDY IMPACT**

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

DRAWING

**A001e**

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