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# SHADOW STUDY ANALYSIS

TO: City of Burlington, Planning and Development

FROM: Kyle Reinders, OAA, Reinders + Law Ltd.

DATE: July 21, 2023

RE: 276-292 Plains Road East, Burlington, ON

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**4.1 Introduction**

The following Shadow Study Drawings and Analysis provide an accurate representation of the shadowing affects that this proposed development will have on its adjacent properties and surrounding neighbourhood. The proposed development has been design to reduce the impact of its shadows on adjacent sensitive land uses through the overall height limitations and the step back of the massing of the proposed building. This development is designed to respect and abide by the angular plane requirements along it's rear property line adjacent to residential land uses.

**4.2 Key Civic and Cultural Spaces**

- This development is adjacent to the Holy Rosary Church across Plains Road E to the northwest of the site. Due to the location of the Church property and the orientation of our proposed development, there is little to no shadowing effect on the Church property.

**4.3 Private Outdoor Amenity Spaces**

- There are two locations of Private Outdoor Amenity Spaces in the proposed development. The rooftop amenity space does not receive any significant shadowing. The at-grade private outdoor amenity which is located in the internal courtyard of the U-Shaped development will receive morning sunlight until 1pm on the March 21st, Spring Equinox Shadow Analysis

**4.4 Park and Open Spaces**

- The nearest park/open space adjacent to this development is Aldershot Park and Aldershot Tennis Club to the northwest across Plains Road. This proposed development does not cast shadows onto these land uses.

**4.5 Shadowing where Children Plan**

- The nearest children's play space adjacent to this development is Aldershot Park to the northwest across Plains Road. This proposed development does not cast shadows onto these land uses
- The Children's Play Area provided on the Rooftop Amenity Area of this development does not receive any shadowing from this development or adjacent buildings

**4.6 Shadowing on Public Realm and Sidewalks**

- This development does cast shadows along Plains Road East Sidewalks on the south side of the street adjacent to the development from 9am until 2pm, then full sunlight from 2pm until sunset.

# Plains Rd. (276-292) Apt
# Burlington, Ontario

## Sun Study

Spring Equinox

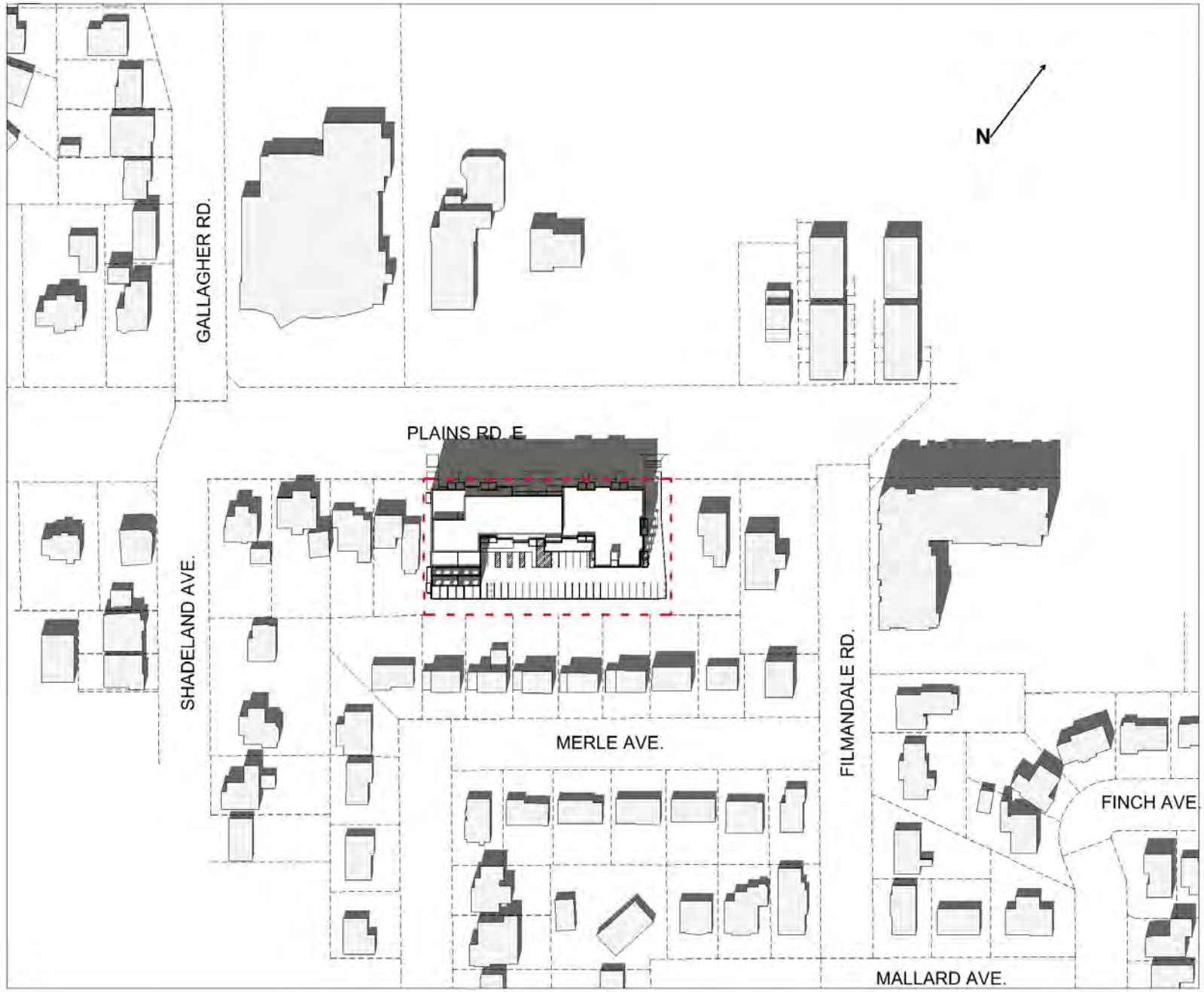
March 21st – 9:00 AM to 6:00 PM

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## Sun Study

Summer Equinox

June 21st – 8:00 AM to 7:00 PM

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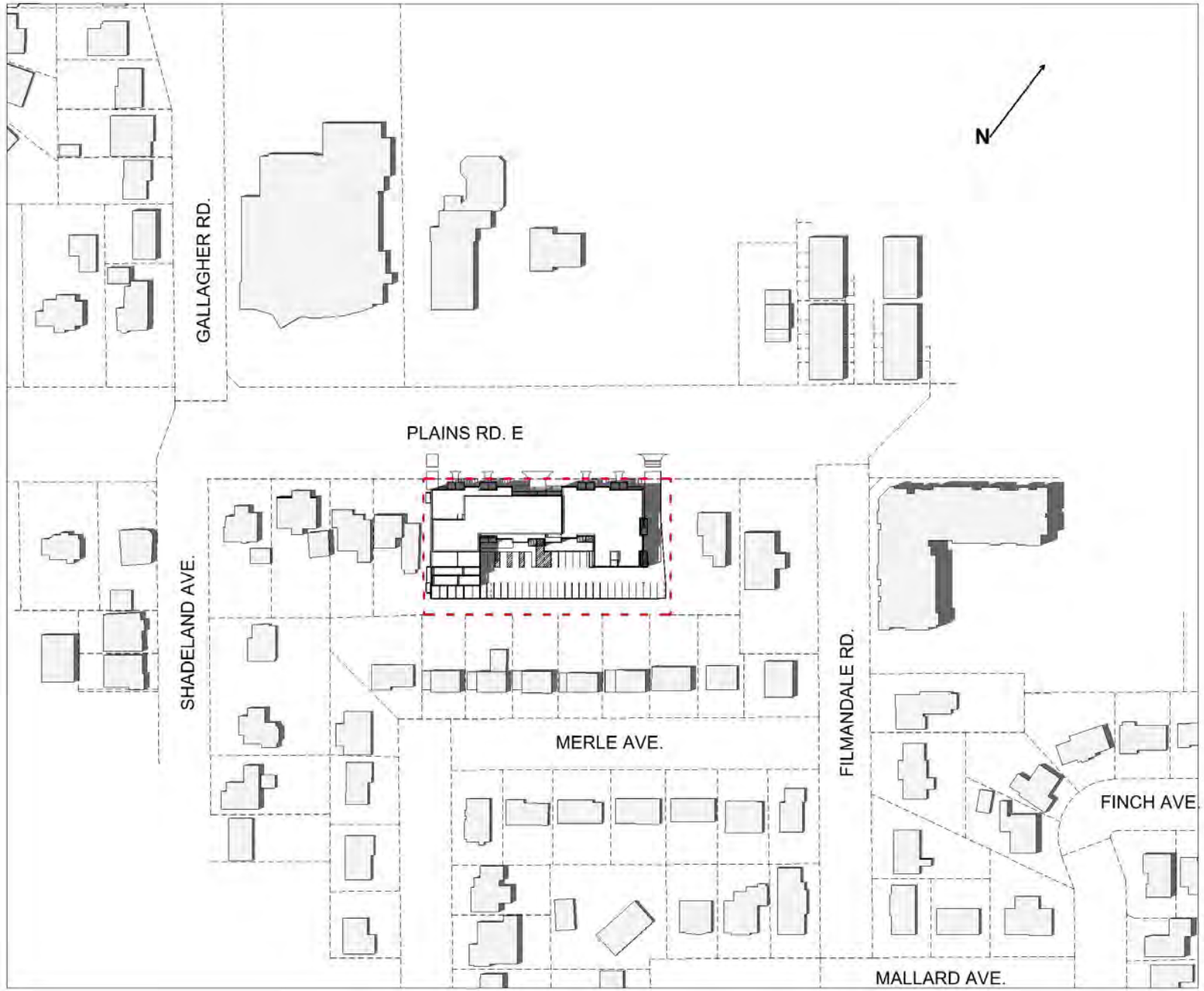

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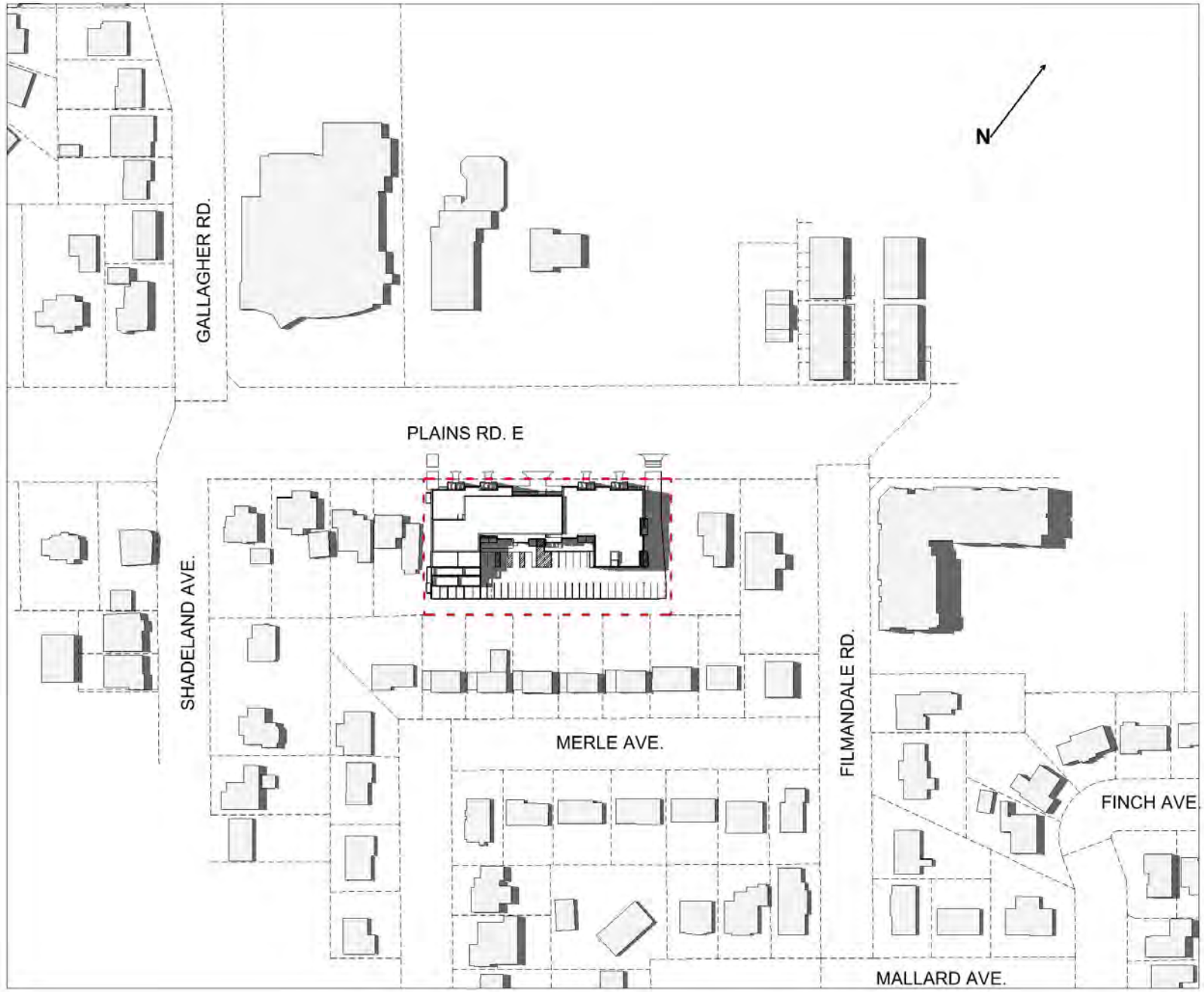

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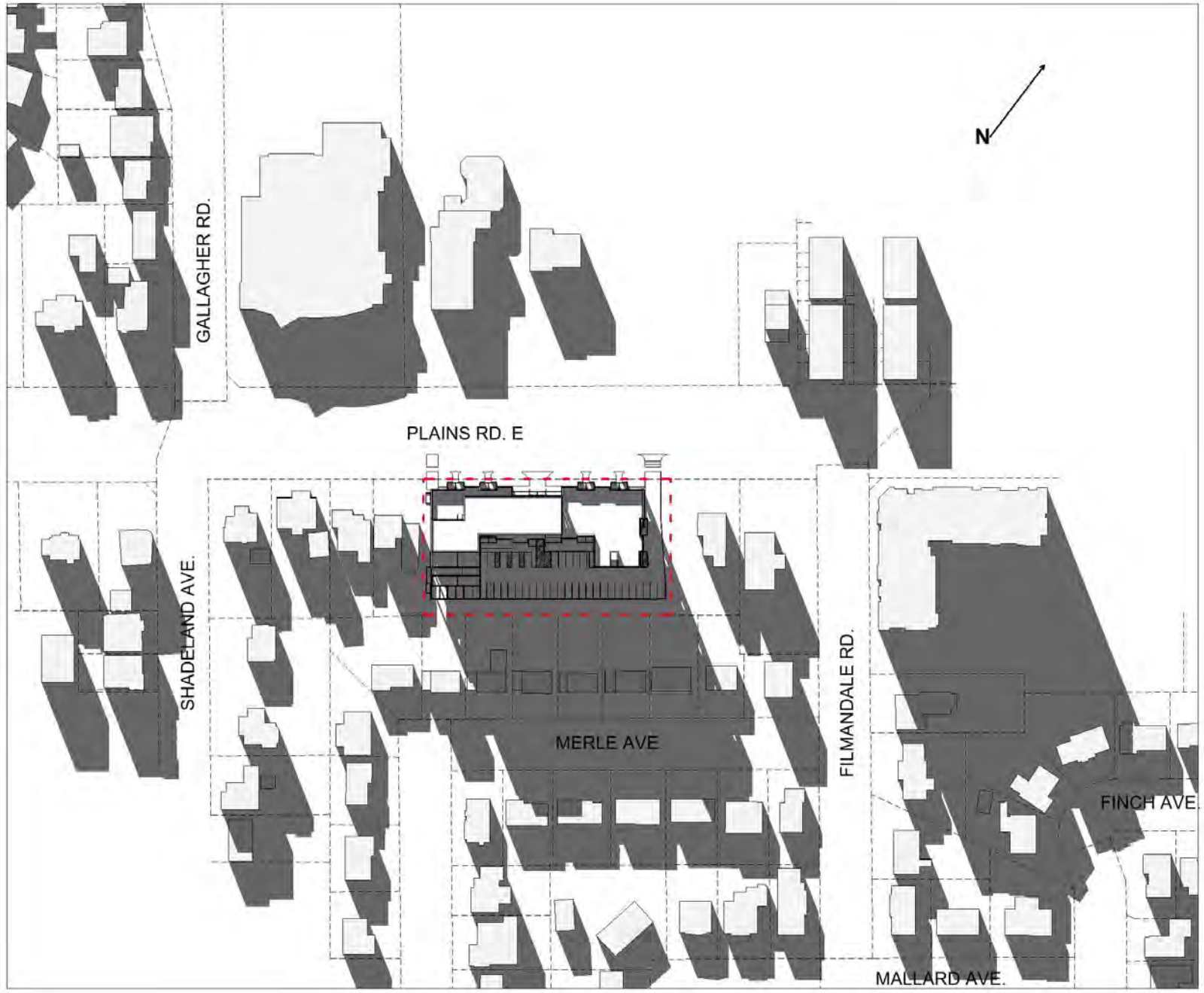

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## Sun Study

Autumn Equinox

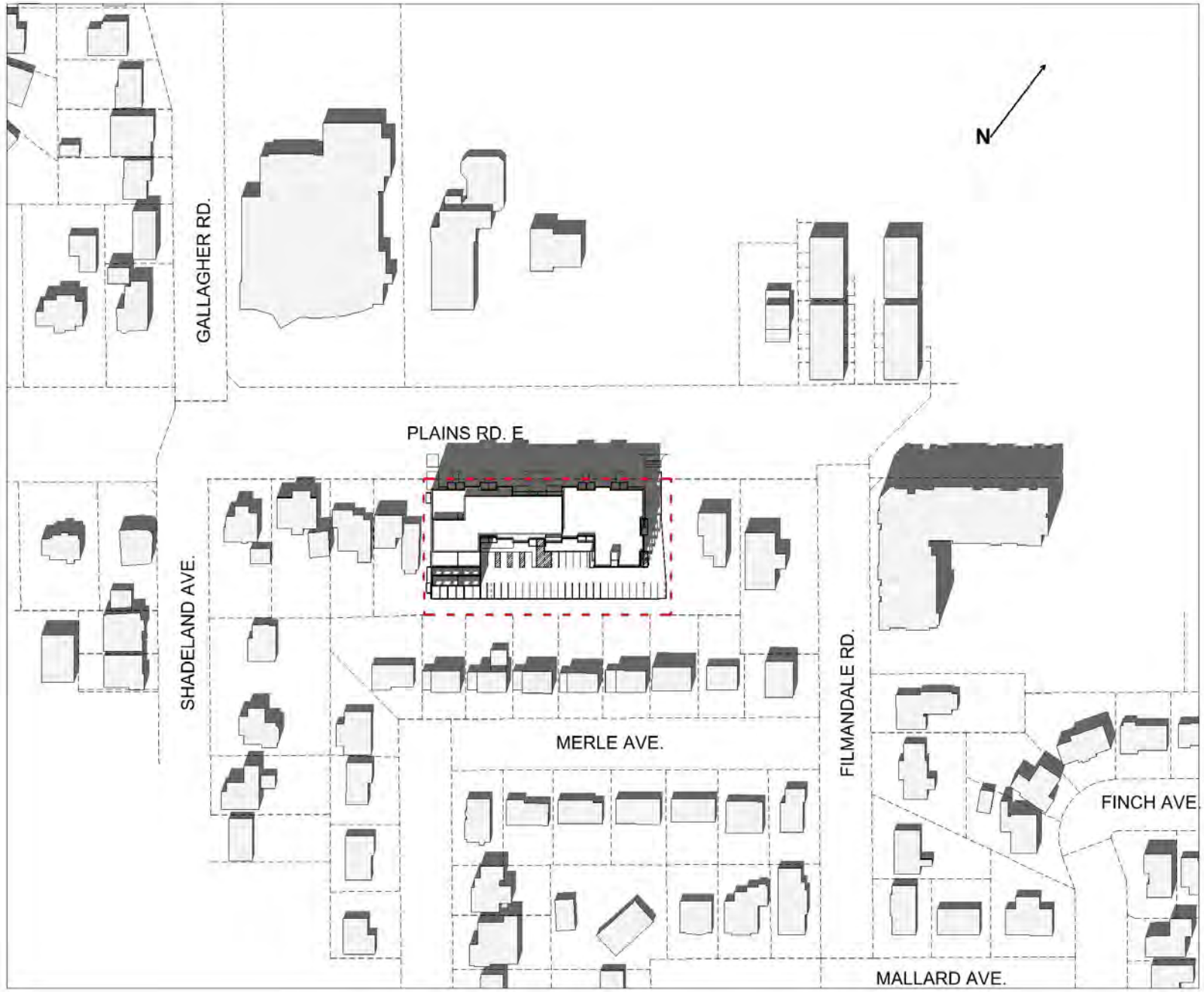
September 21st – 9:00 AM to 6:00 PM

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## Sun Study

Winter Equinox

December 21st – 11:00 AM to 3:00 PM

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