



579 – 619 Lakeshore Road East & 1022, 1028 Caven Street

Shadow Study

Breda Group

Project #17125
October 3, 2022

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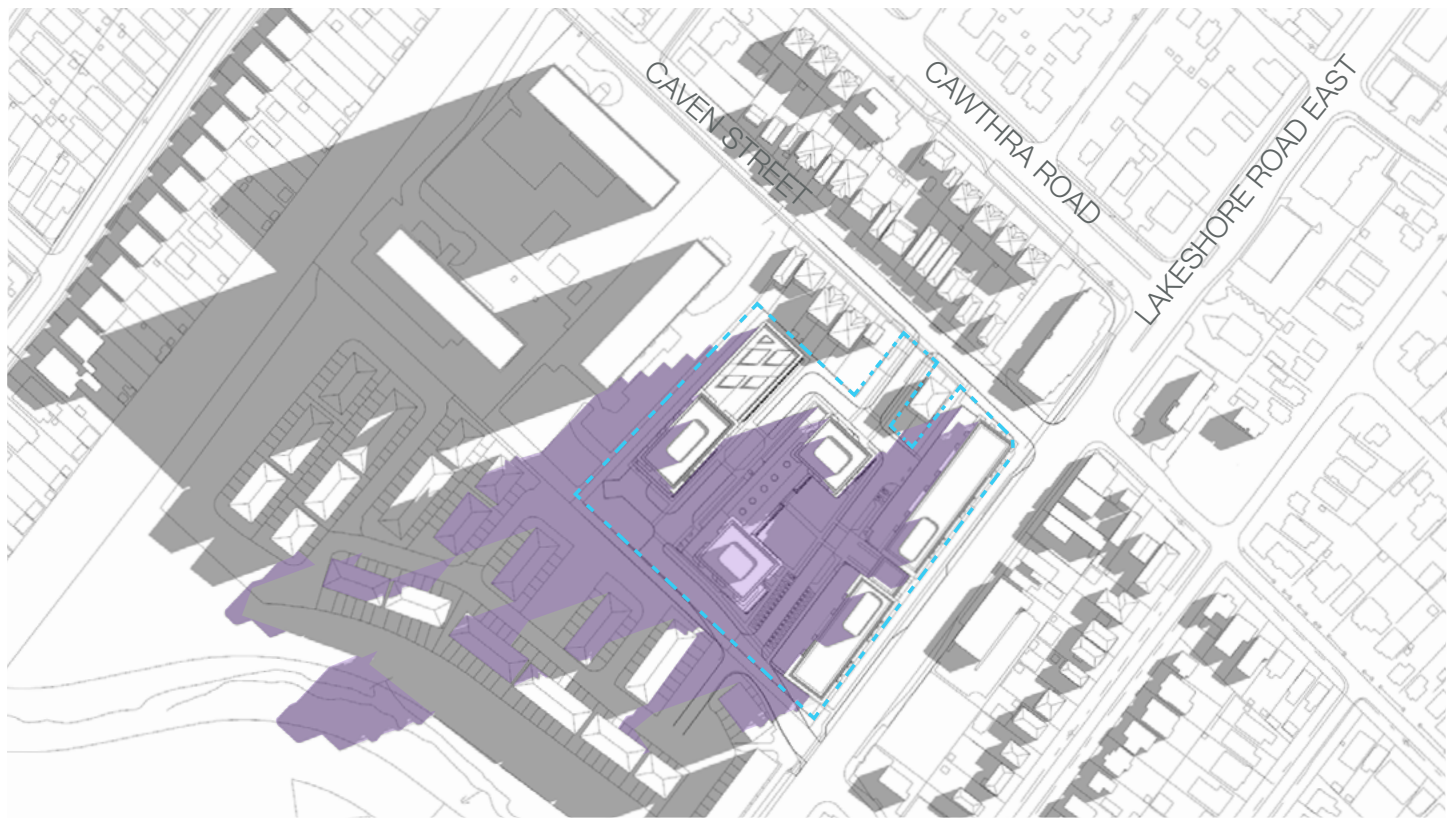
Shadow Study Cover Letter

The Shadow Study was prepared by BDP Quadrangle in accordance with the City of Mississauga Urban Design Terms of Reference - Standards for Shadow Studies including the standard metric scale, reference to street names and graphic requirements.. The shadow impacts of the proposed development were conducted for the following dates, June 21st, September 21st and December 21st, for each hour between 9:18 a.m. and 6:18 p.m. The time intervals used reflect the hourly solar data listed in Tables 2,3 and 4: Mississauga Sun Angle Data from the Standards for Shadow Studies.

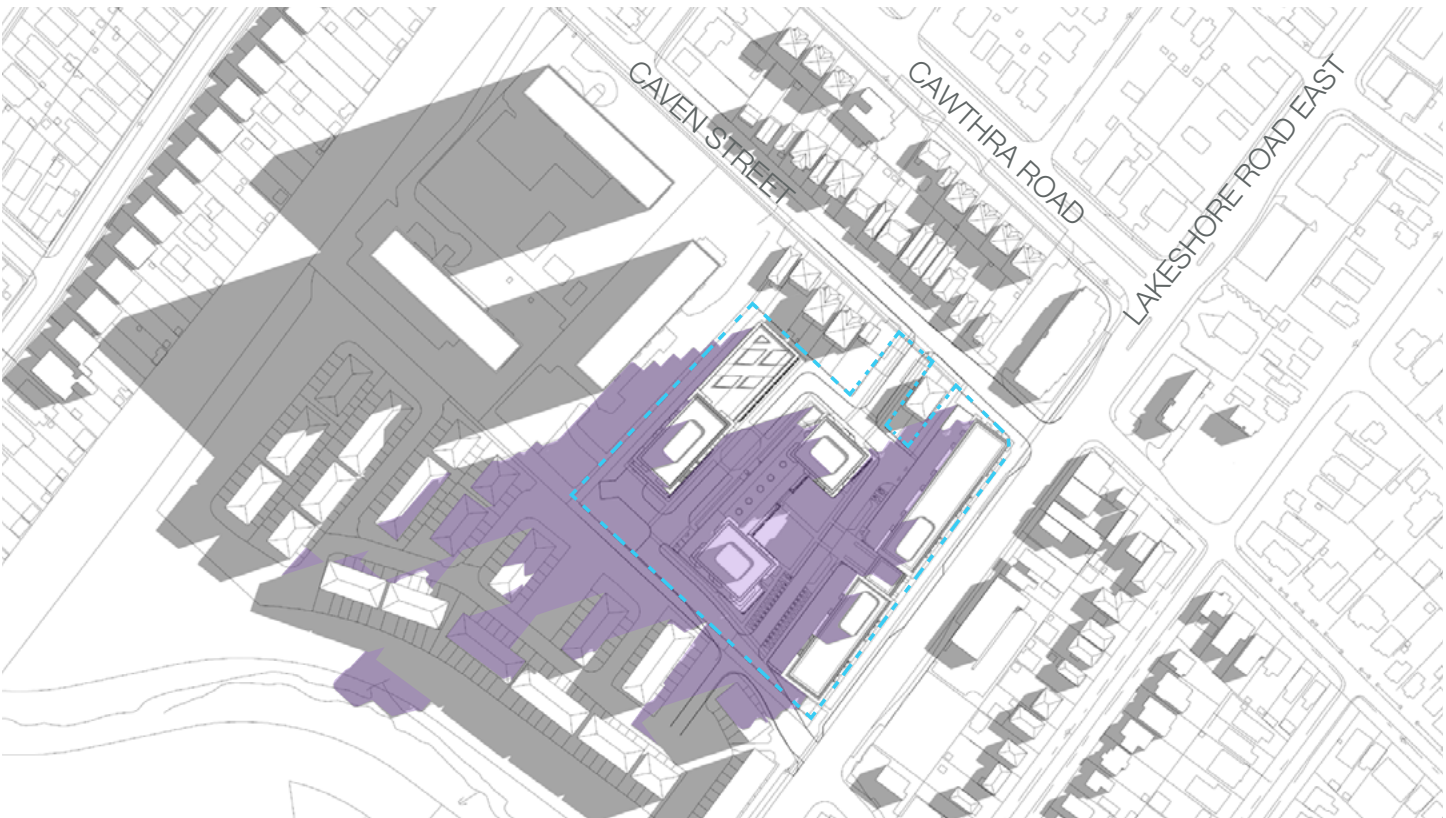
This Shadow Study shows the existing shadows and the shadows cast by the proposed building shadow, and indicates the following:

- The proposed development allows full sunlight and does not cast additional shadows on the opposite boulevard of the public realm sidewalks on September 21st between 12:12pm and 2:12pm. With no new shadows between the period of 9:12am and 11:12am as well.
- The proposed building limits shadow impacts on the adjacent residential buildings to the northeast of the site from June 21st to September 21st where the shadows are limited to the backyards only.
- Some net-new incremental shadow impacts do occur on Residential areas to the northeast of the Subject Lands, however, these are modest. From September 21st at 4:12pm and December 21st the shadow of the towers do extend into the Residential neighbourhoods.
- The proposed building creates no net-new shadows on adjacent parks in the surrounding area.

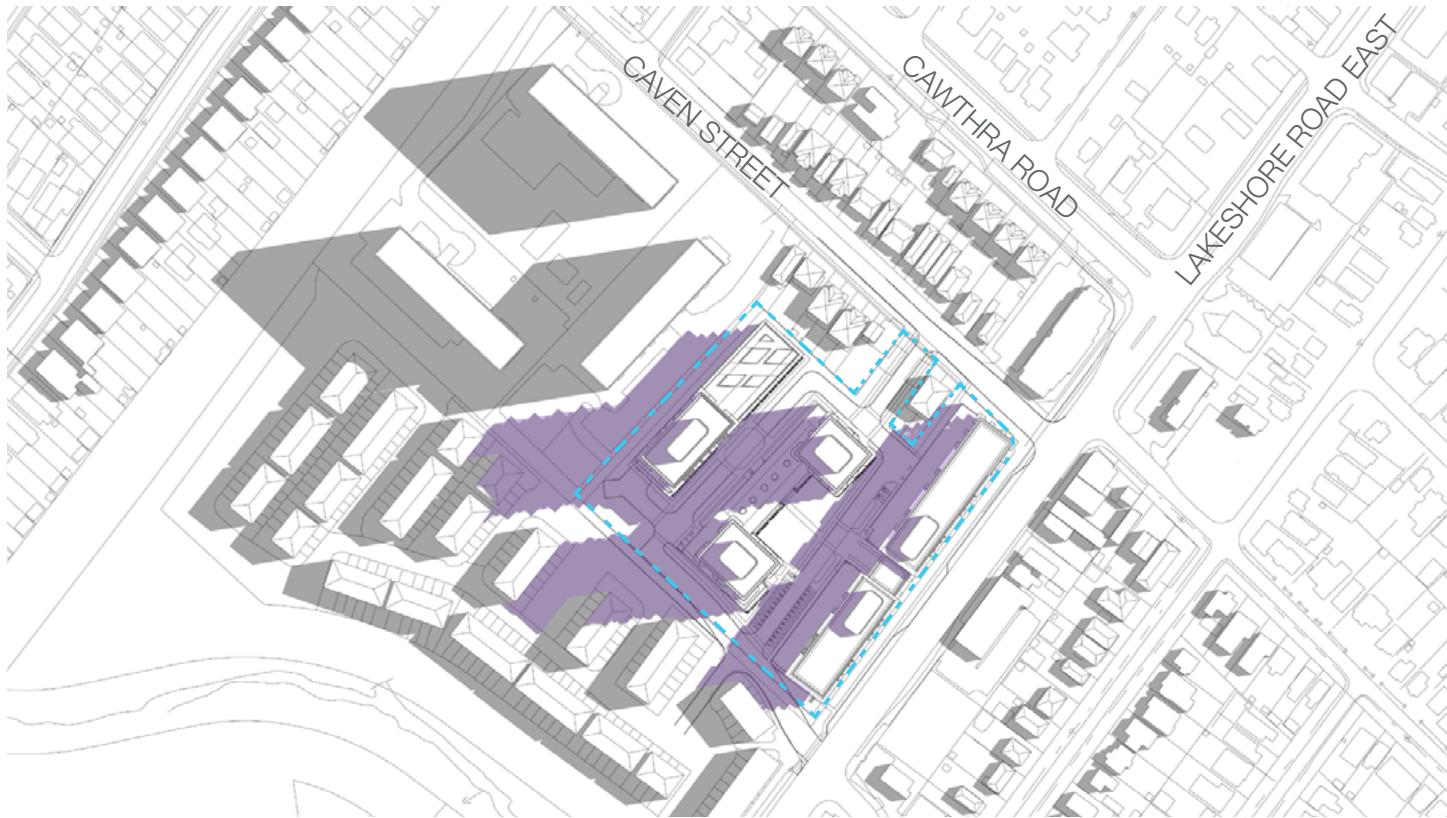
Based on the shadow analysis, the new net shadow impacts from the proposed development would be limited and minimized on the existing surroundings.



June 21 | 7:07 am



June 21 | 7:20 am



June 21 | 8:20 am



June 21 | 9:20 am



June 21 | 10:20 am



June 21 | 11:20 am



June 21 | 12:20 pm



June 21 | 1:20 pm (Solar Noon)



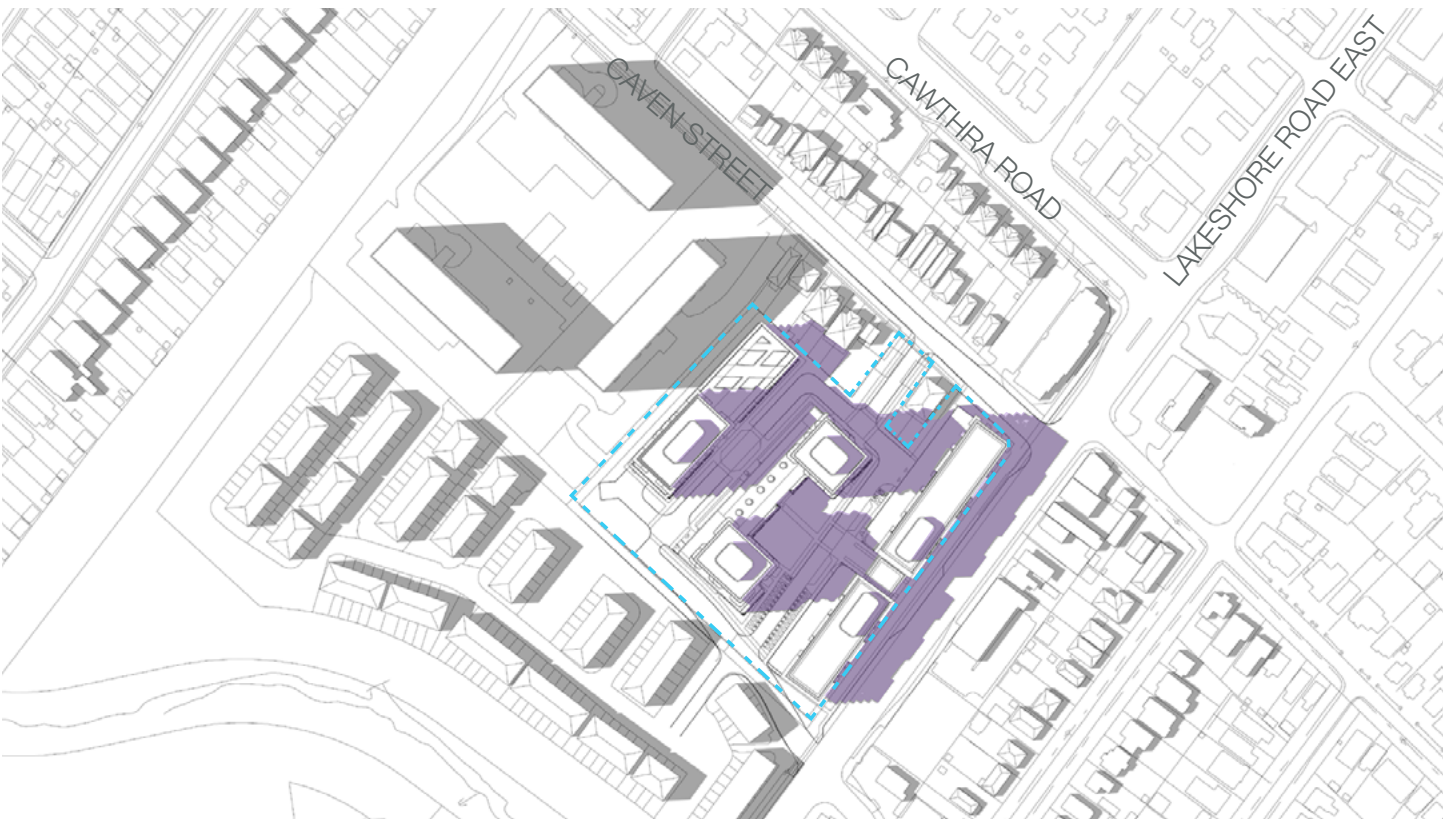
June 21 | 2:20 pm



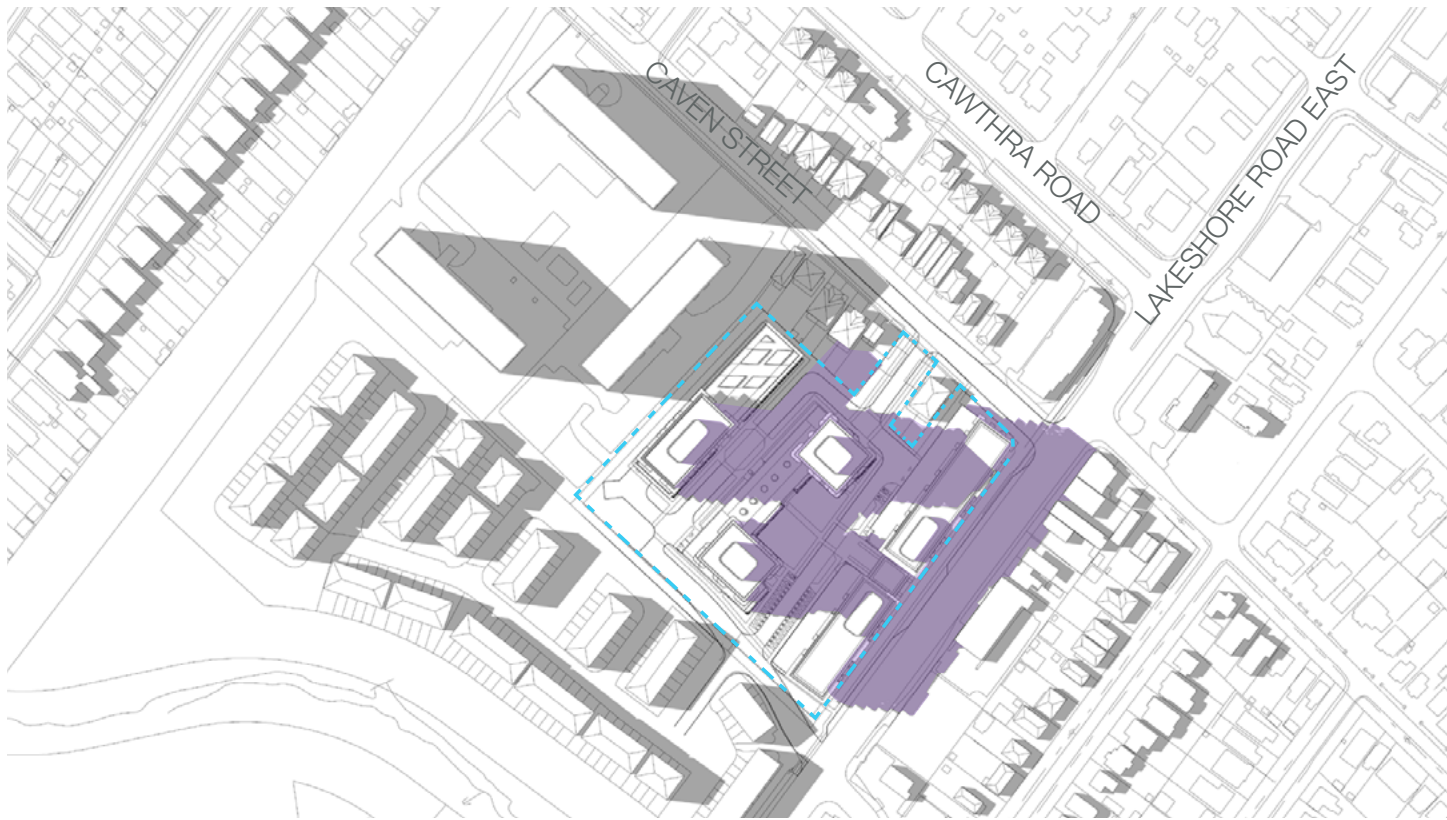
June 21 | 3:20 pm



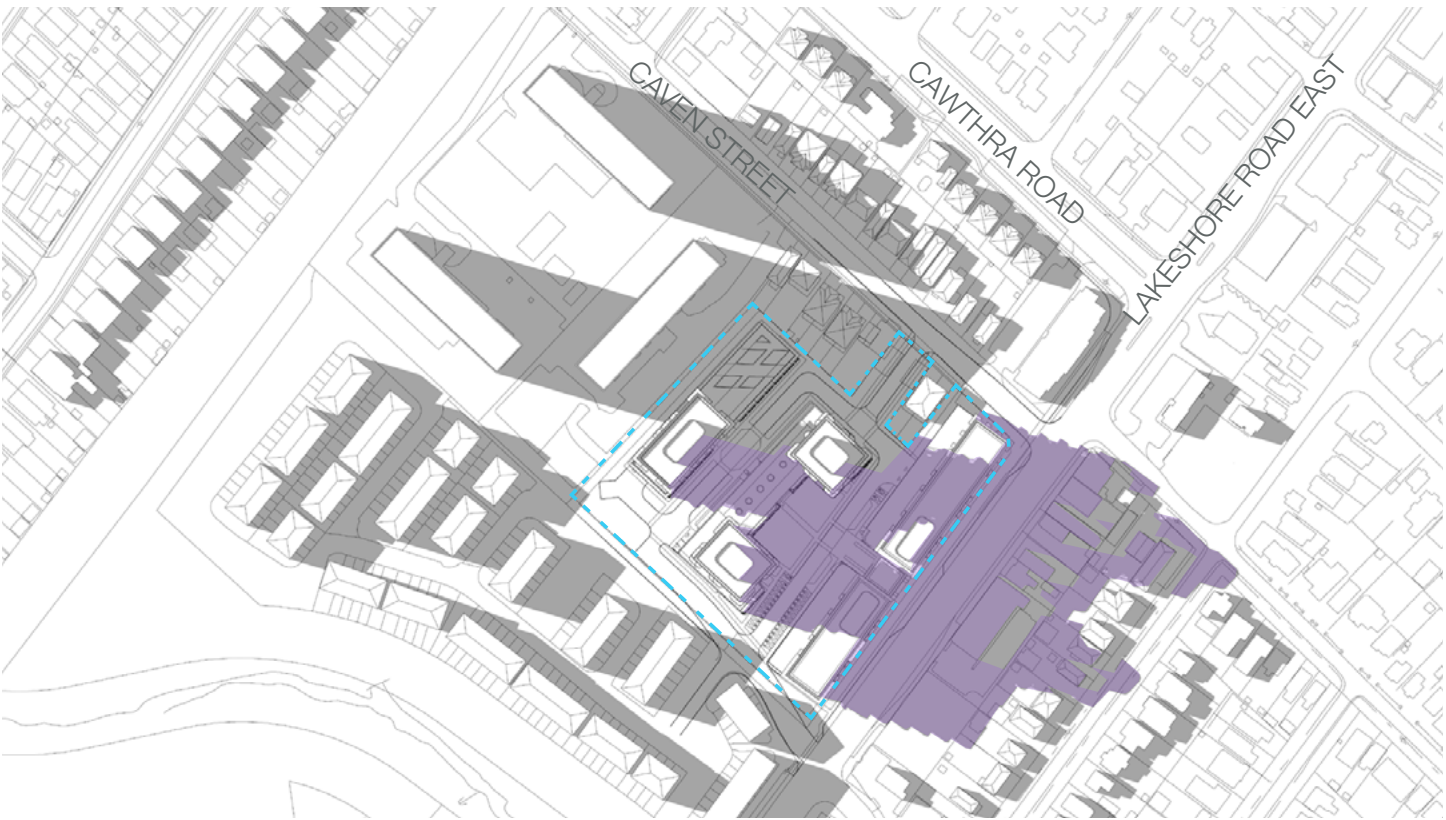
June 21 | 4:20 pm



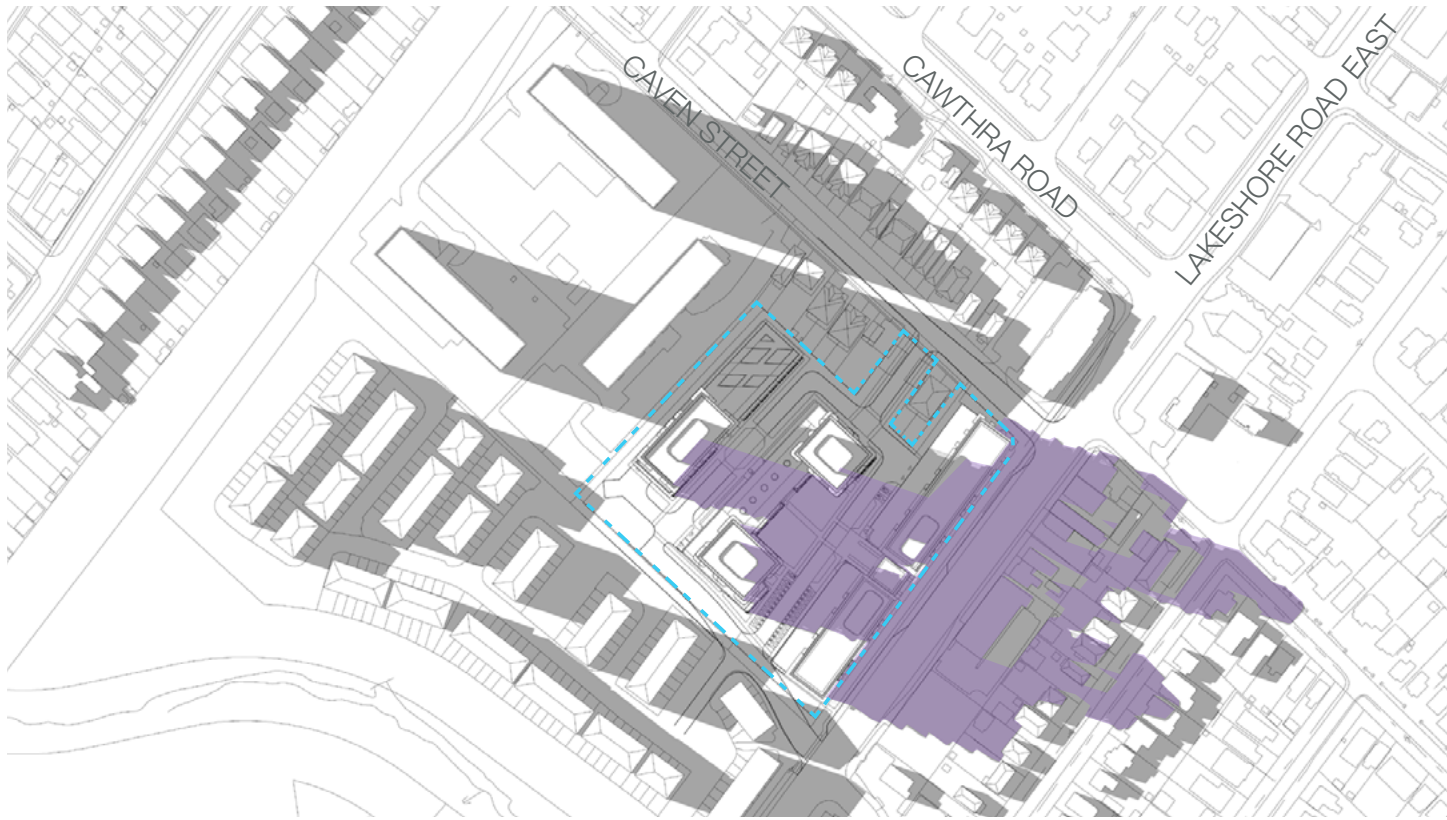
June 21 | 5:20 pm



June 21 | 6:20 pm



June 21 | 7:20 pm



June 21 | 7:33 pm



September 21 | 8:35 am



September 21 | 9:12 am



September 21 | 10:12 am



September 21 | 11:12 am



September 21 | 12:12 pm



September 21 | 1:12 pm (Solar Noon)



September 21 | 2:12 pm



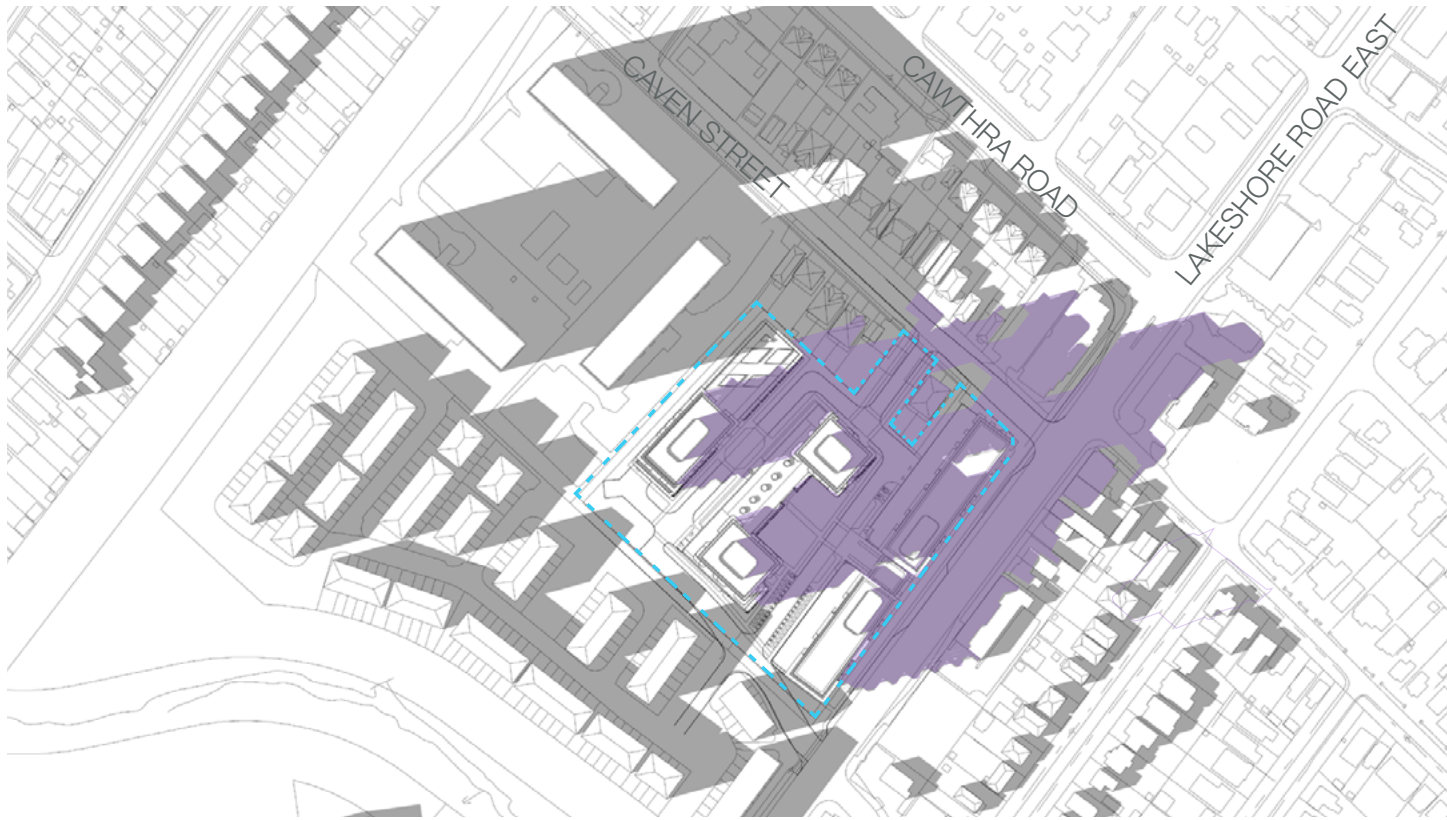
September 21 | 3:12 pm



September 21 | 4:12 pm



September 21 | 5:12 pm



September 21 | 5:48 pm



December 21 | 9:19 am



December 21 | 10:17 am



December 21 | 11:17 am



December 21 | 12:17 pm



December 21 | 1:17 pm (Solar Noon)



December 21 | 2:17 pm



December 21 | 3:15 pm