

SHADOW ANALYSIS - 3055 Richmond Road

2022-07-27

client
Azul Designs | 2277 Prospect Aveune, Ottawa ON

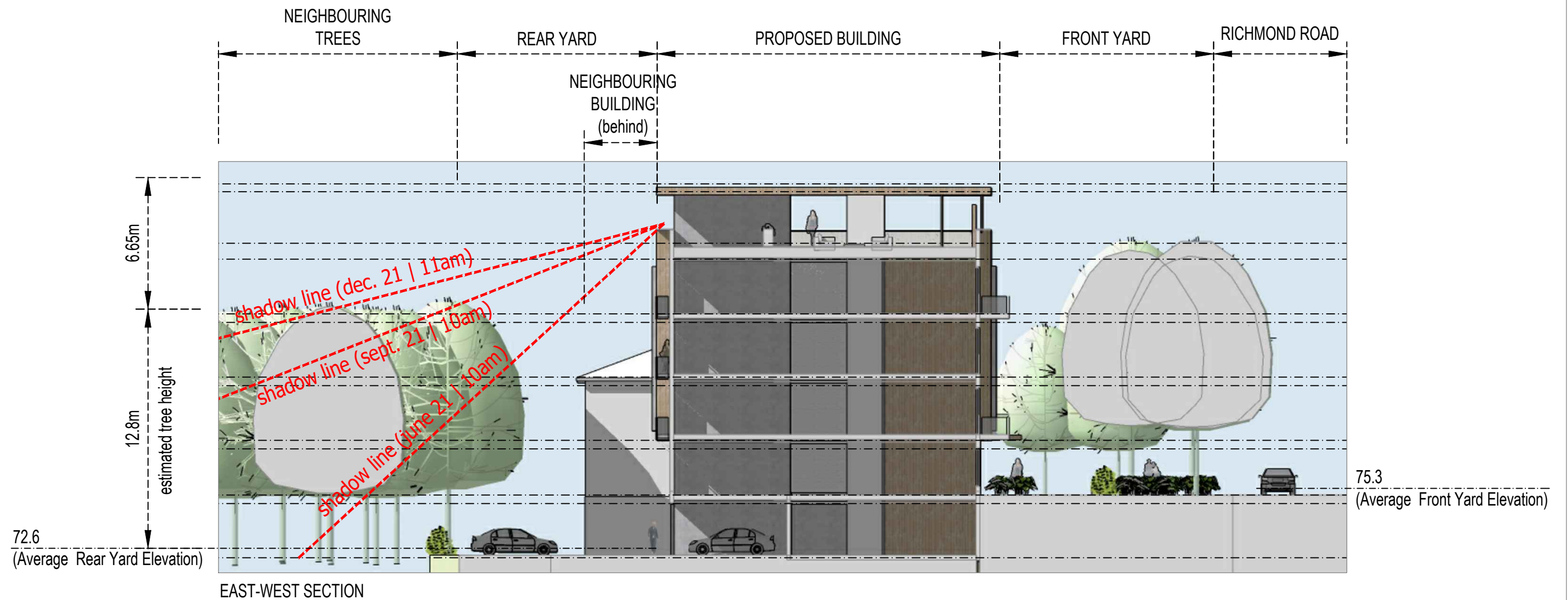
architect
unPoised Architecture INC | 5-16 Sweetland Avenue | Ottawa ON

- 01 - site conditions in section
- 02 - june shadow patterns
- 03 - september shadow patterns
- 04 - december shadow patterns



SHADOW ANALYSIS - 3055 Richmond Road Proposal

SITE CONDITIONS - TREES, TOPOGRAPHY, BUILDING

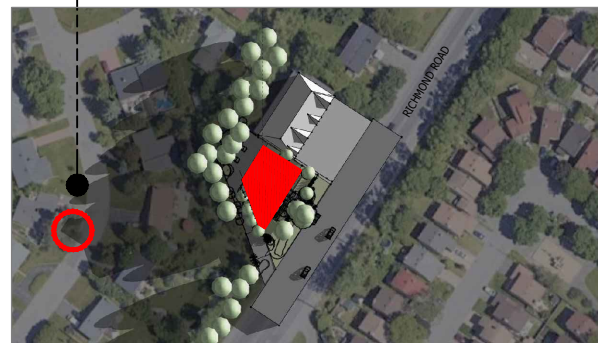


SHADOW ANALYSIS - 3055 Richmond Road Proposal

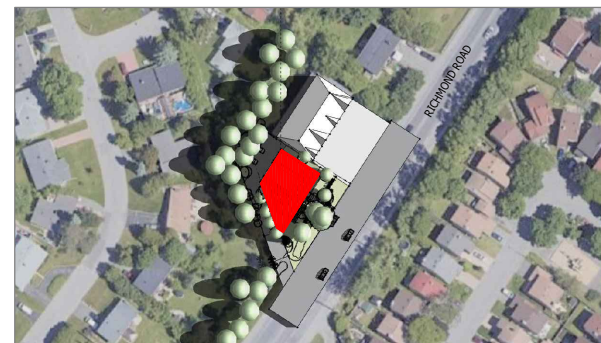
JUNE SHADOW PATTERNS

- developed with geo-location settings within Sketch-Up version 2021

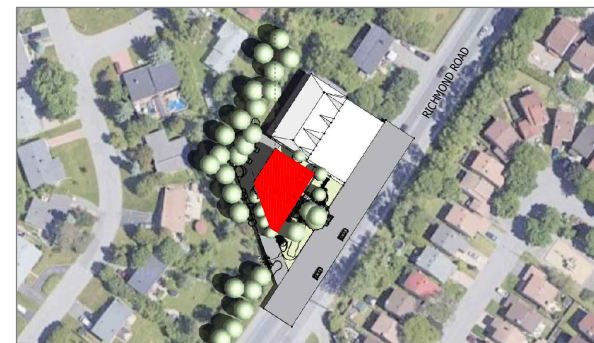
SHADOW POINT of PENTHOUSE ROOF



june 21 | 08 am



june 21 | 10 am



june 21 | 12 pm



june 21 | 02 pm



june 21 | 04 pm



june 21 | 06 pm



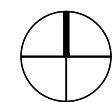
june 21 | 08 pm

SHADOW CAST FROM NEW FRONT YARD TREES

JUNE ANALYSIS

The largest shadow impact is to the neighbouring rear yards to the west of the property at 8am in the morning. The mature trees, estimated at 12.8m high and located in the neighbouring rear yards, have a larger impact on this shadow than the new building with the exception of the penthouse roof shadow shown in the red circle.

The largest impact to the neighbours across Richmond Road to the east of the property is at 8pm in the evening and is not from the proposed building but from the proposed new trees planned to be planted in the front yard when they reach 12.8m high.



true north

SHADOW ANALYSIS - 3055 Richmond Road Proposal

SEPTEMBER SHADOW PATTERNS

- developed with geo-location settings within Sketch-Up version 2021



sept 21 | 08 am



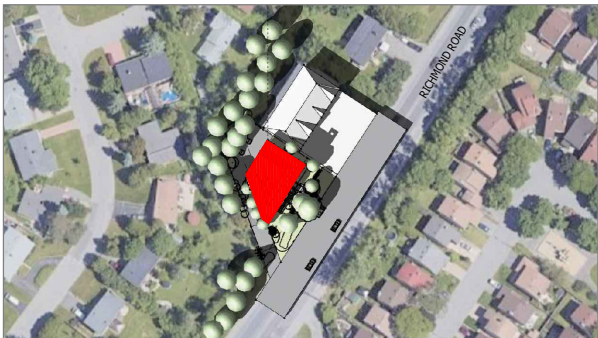
sept 21 | 10 am



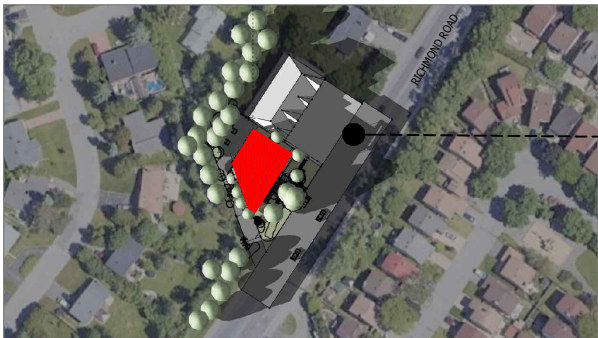
sept 21 | 12 pm



sept 21 | 02 pm



sept 21 | 04 pm



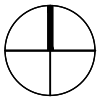
sept 21 | 06 pm

SHADOW CAST to FRONT
YARD OF NEIGHBOUR TO
SOUTH

SEPTEMBER ANALYSIS

The largest shadow impact is to the neighbouring rear yards to the west of the property is at 10am in the morning and as a result for the mature trees, estimated at 12.8m high and located in the neighbouring rear yards. The proposed building does not impact this shadow line.

The largest impact to the neighbour neighbour to the north is between 4pm and 6pm where the proposed building effectively shadows this full front yard.

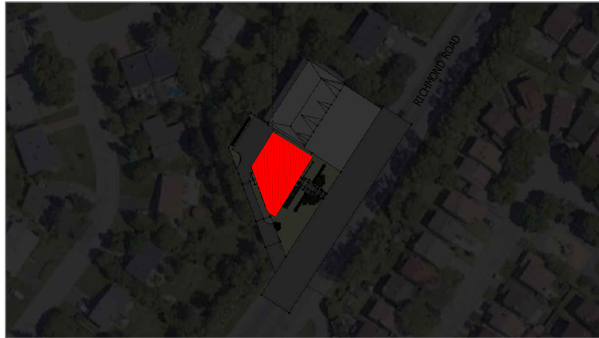


true north

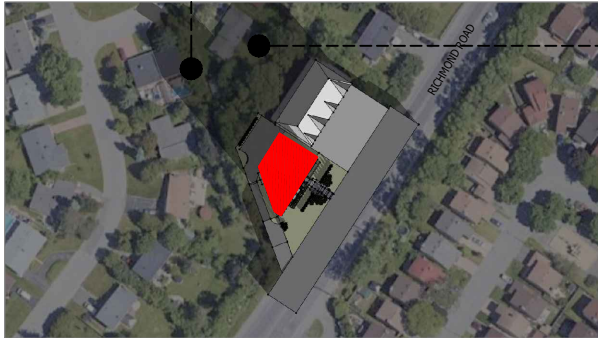
SHADOW ANALYSIS - 3055 Richmond Road Proposal

DECEMBER SHADOW PATTERNS

- developed with geo-location settings within Sketch-Up version 2021



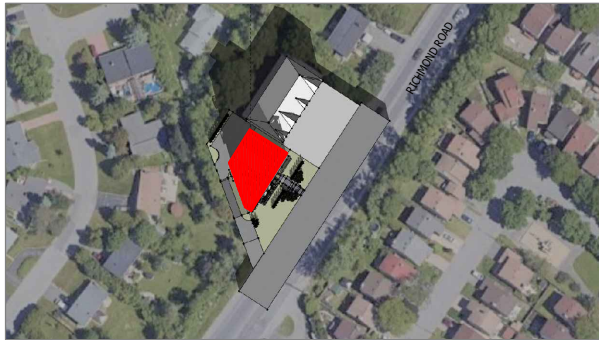
dec 21 | 09 am



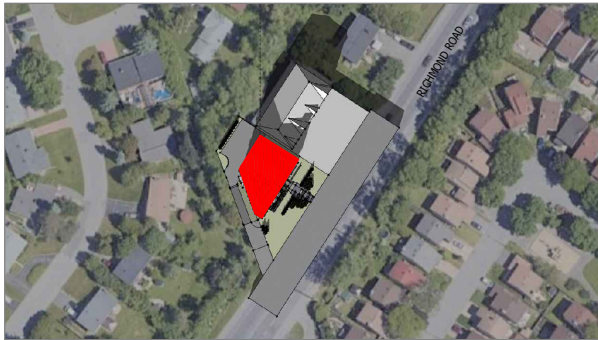
dec 21 | 11 am

SHADOW COVER FROM 3055 RICHMOND PROPOSAL

SHADOW COVER FROM NEIGHBOURING BUILDING



dec 21 | 01 pm

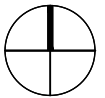


dec 21 | 03 pm

DECEMBER ANALYSIS

The largest shadow impact is to the neighbouring rear yards to the west of the property is at 11am in the morning. Unlike the other seasons, this study assumes that the neighbouring trees are coniferous and will have lost their leaves at this time. This leaves the buildings as shadow casting elements. At 11am, both this new proposal and the existing building to the north will have similar shadow impacts to the properties to the west with the exception that the new proposal will extend longer to Penny Street West at this time. Come 1pm the shadows only cover the rear yards of these properties.

The largest impact to the neighbour neighbour to the north is at 3pm where the proposed building has minor shadowing over the south roof of this building.



true north