SHADOW STUDY FOR THE PROPOSED 3 STOREY RESIDENTIAL BUILDING

1839 FOUR MILE CREEK RD | NIAGARA-ON-THE-LAKE | ONTARIO | LOS 1JO

PROJECT DESCRIPTION

THIS SHADOW STUDY ENCOMPASSES A PROPOSED 3-STOREY RESIDENTIAL DEVELOPMENT LOCATED IN NIAGARA- ON- THE- LAKE. THE BUILDING OF FOCUS IS COMPRISED OF 29 UNITS AND IS 11.28 m IN HEIGHT. THE PROPOSED DEVELOPMENT IS LOCATED AT 1839 FOUR MILE CREEK RD, NIAGARA-ON-THE-LAKE, ONTARIQ THE COORDINATES BEING LAT: 43.2310393, LONG: -79.1241217.

SURROUNDING USES AND SPACES SHOWN WITHIN THE SHADOW STUDY AREA



AREA ANALYSIS

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SOUTH WEST PERSPECTIVE

SUBJECT SITE: CURRENTLY ZONED RESIDENTIAL (R1). THE LOT IS CURRENTLY R1-21/21A AND PROPOSED RE-ZONED TO RM2 SITE SPECIFIC. THE PROPOSED DEVELOPMENT WILL BE A 3 STOREY RESIDENTIAL BUILDING.

1. RESIDENTIAL (R1)

2. AGRICULTURAL (A)

MITIGATION AND CONCLUSION

THE SHADOWS OF THE PROPOSED 3 -STOREY BUILDING HAVE A MINIMAL IMPACT ON THE SURROUNDING RESIDENTIAL PROPERTIES. THE RESIDENTIAL HOUSES TO THE NORTH OF THE PROPOSED DEVELOPMENT WILL RECEIVE THE MOST SHADOWING DURING THE WINTER. THIS CAN BE EXPECTED DUE TO THE LOW ANGLE OF THE SUN.

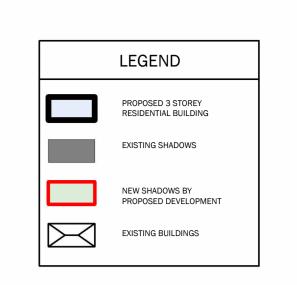
THE NORTH SIDE OF THE PROPERTY SHADING DURING THE HOURS OF 10 AM - 3 PM IN WINTER SEASONS. MAJORITY OF THE SHADOWS CAST ENCROACHES ONTO THE REAR PROPERTY DURING THE EVENING HOURS (4-6PM) OF ALL FOUR SEASON. THIS PROPERTY IS AN AGRICULTURAL PROPERTY AND SO, THE SHADOWING DOES NOT IMPACT ANY NEIGHBORING RESIDENTS.

THE SHORTED BUILDING HEIGHT, OF 3 STOREYS NOT ONLY HELPS MINIMIZE SHADOWING BUT IT ALSO HELPS THE PROPOSED DEVELOPMENT BLEND INTO THE SURROUNDING RESIDENTIAL FABRIC. THE BUILDING WAS DESIGNED WITH A LARGER PODIUM BASE FOR PARKING AND THE UPPER RESIDENTIAL FLOORS STEP BACK SO THAT IT IS MORE CENTRALIZED ON THE LOT TO HELP MINIMIZE THE IMPACT OF SHADOWING ON NEIGHBORING PROPERTIES.

IN CONCLUSION THE BUILDING HAS BEEN DESIGNED TO ENSURE GOOD USE OF THE SUBJECT SITE, WHILE MAXIMIZING UNITS AND RESPECTING SHADOWING AND OVERLOOK OF NEIGHBORING PROPERTIES. THE 3 STOREY HEIGHT AND SETBACK OF THE BUILDING ENSURES A WELL THOUGHT-OUT DESIGN STRIVING TO MINIMIZE IMPACT ON THE SURROUNDING NEIGHBORHOOD.



SOUTH EAST PERSPECTIVE



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JUNE 21ST 2025 SR: 5:35 AM SS: 9:00 PM

SEPT 21ST 2025 SR: 7:00 AM

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DEC 21ST 2025 SR: 7:45 AM

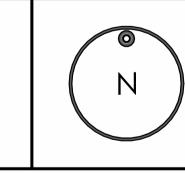
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1	MAY 27 2025	REV SHADOW STUDY LABELS	JKC

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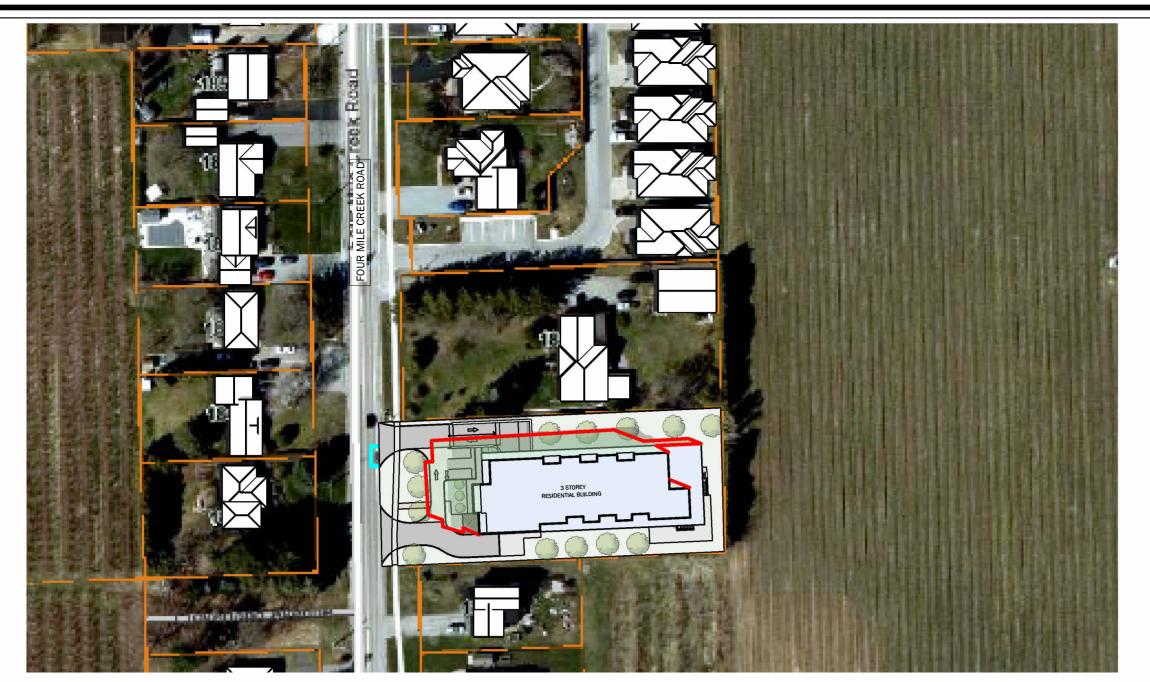




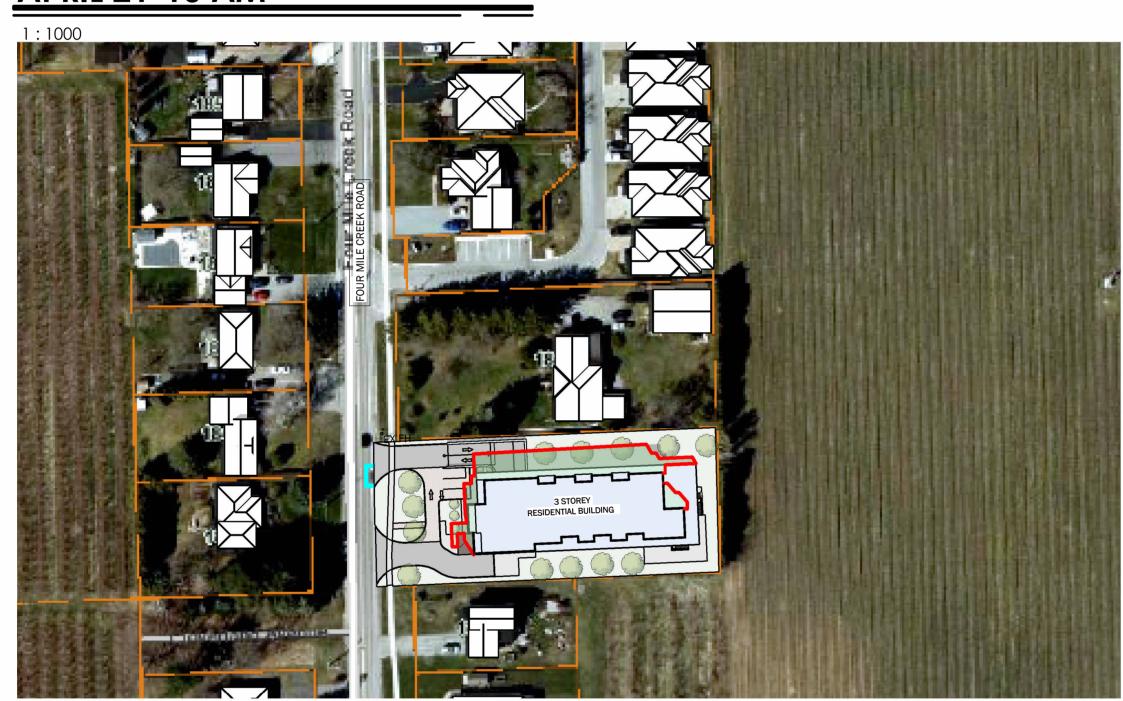
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SHADOW STUDY- COVER PAGE

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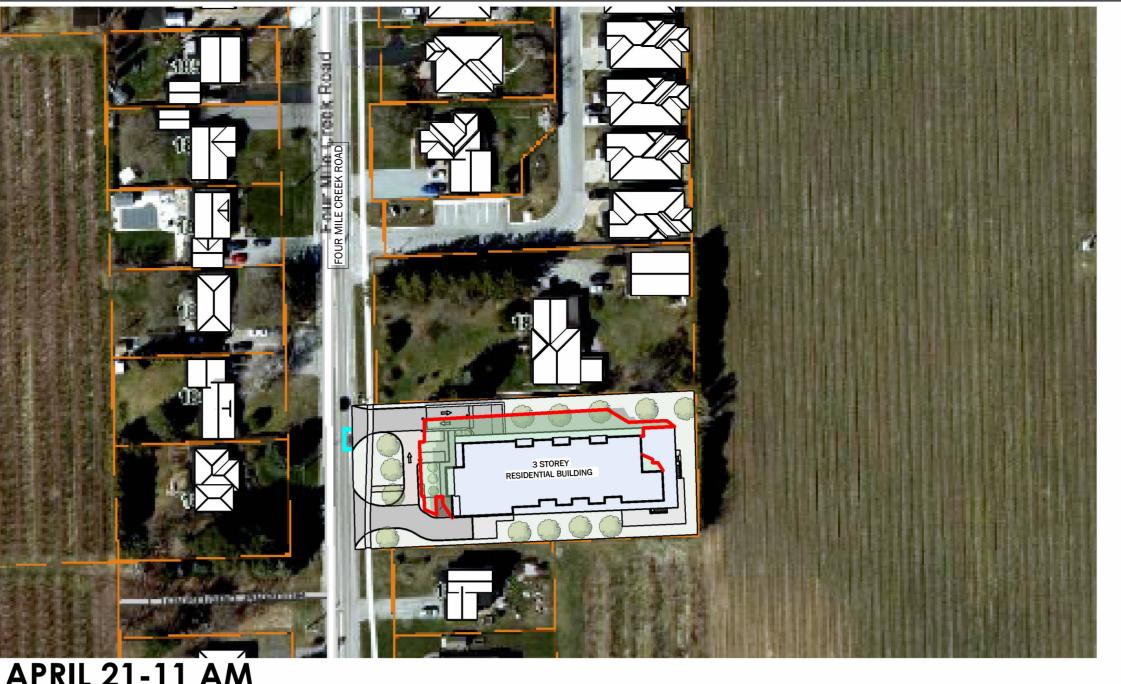


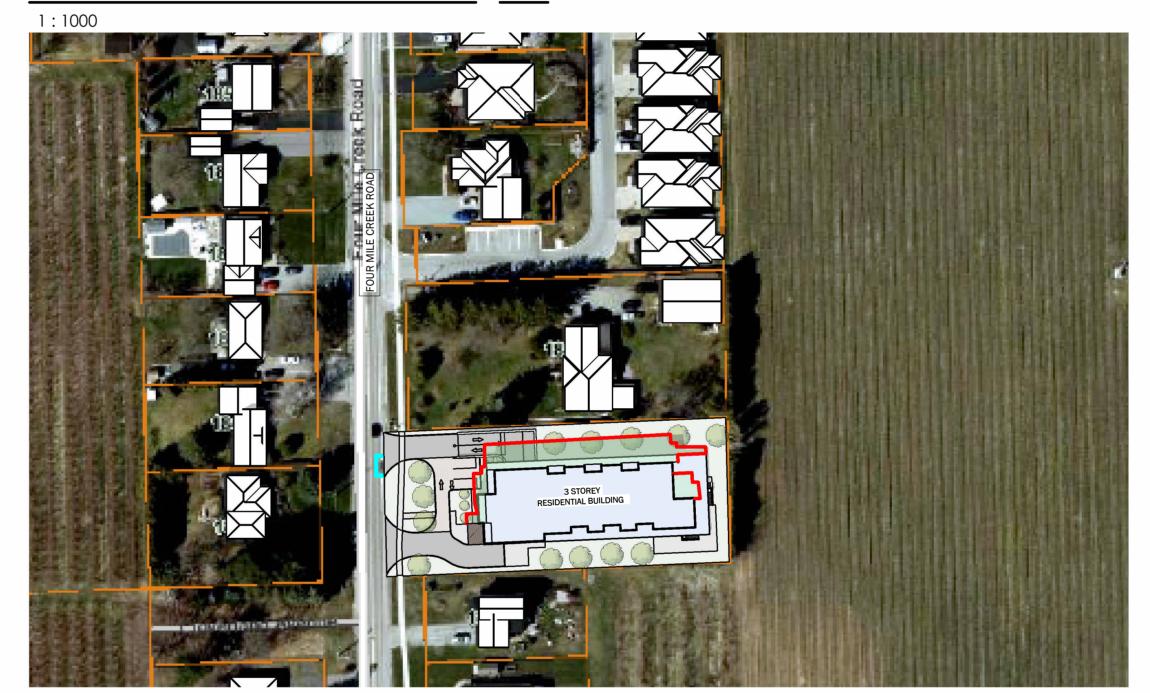
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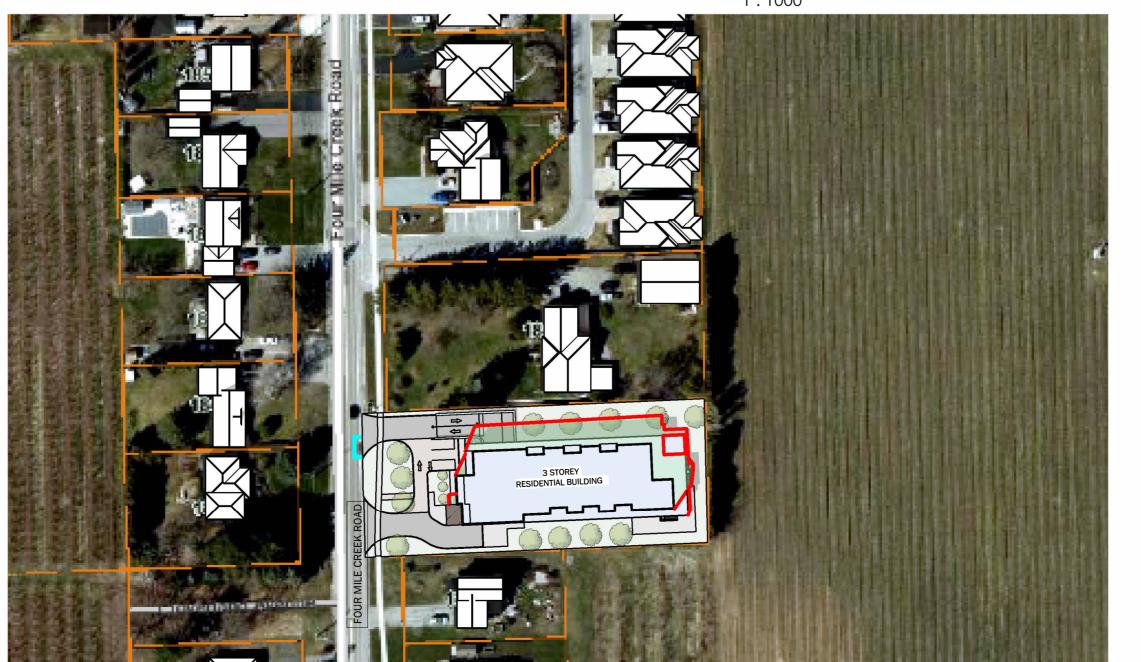
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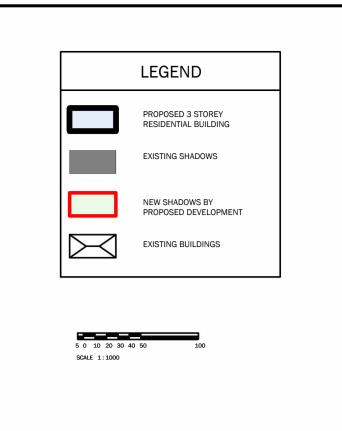
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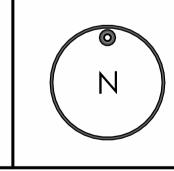


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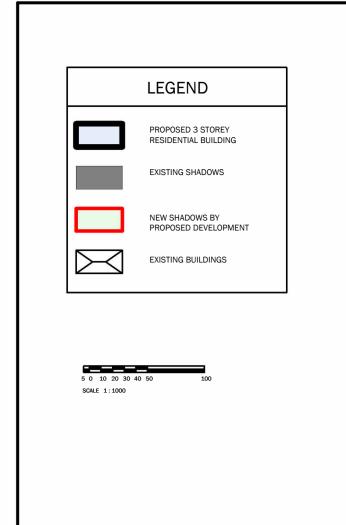
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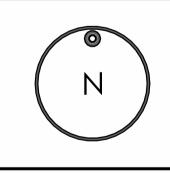
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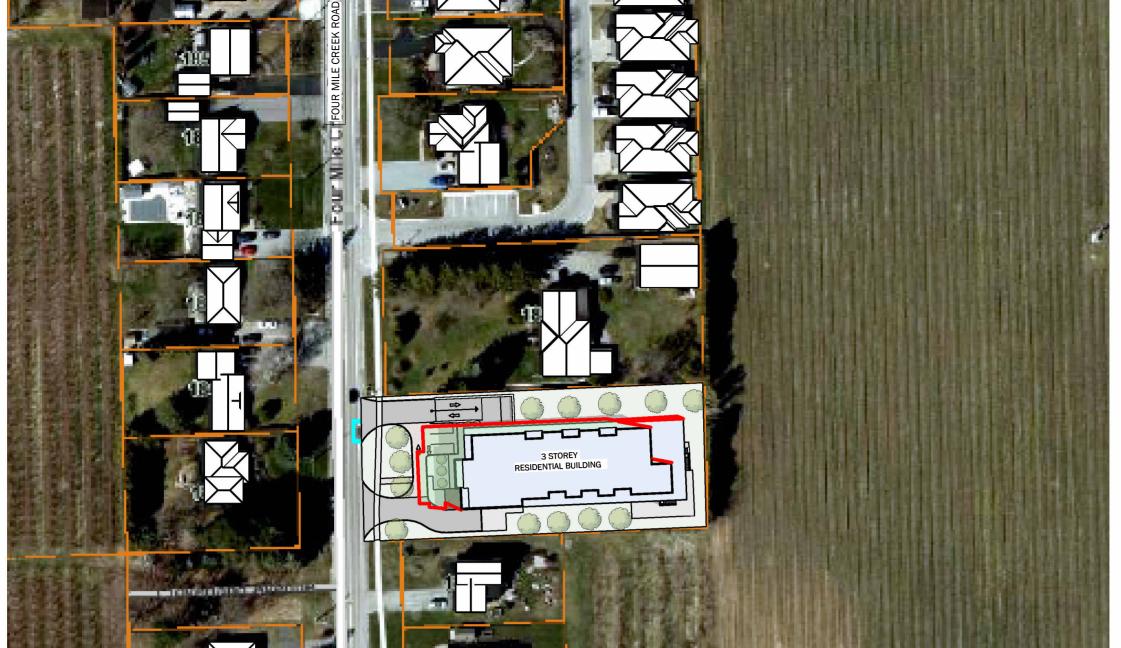
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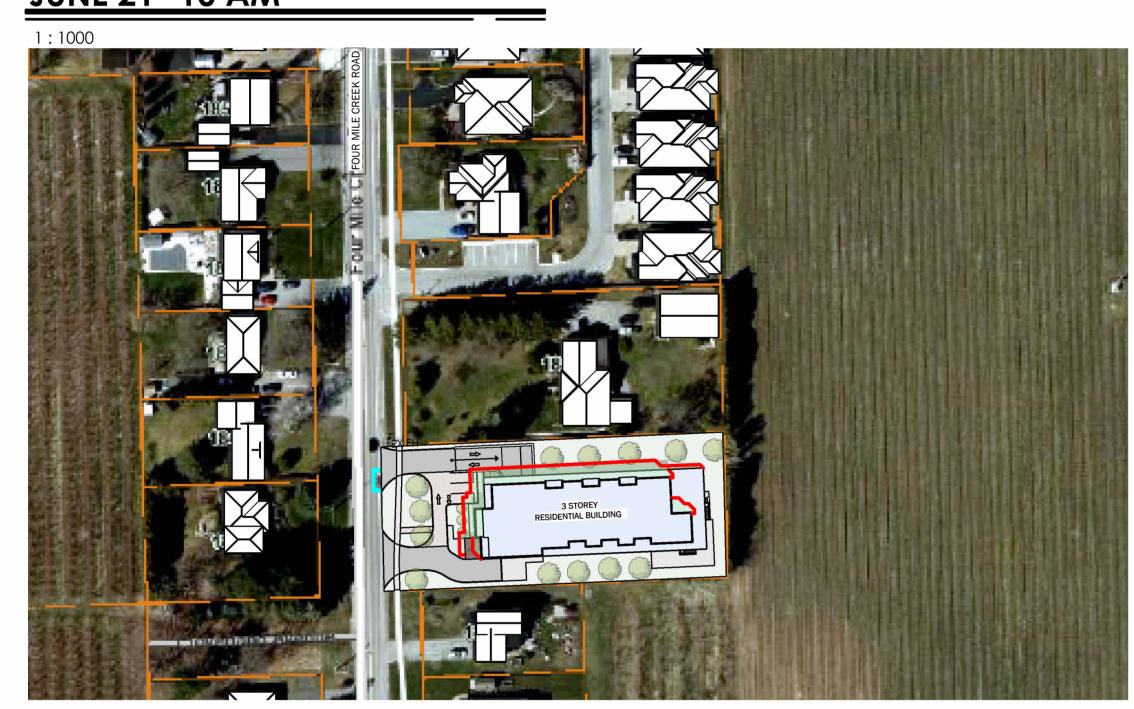
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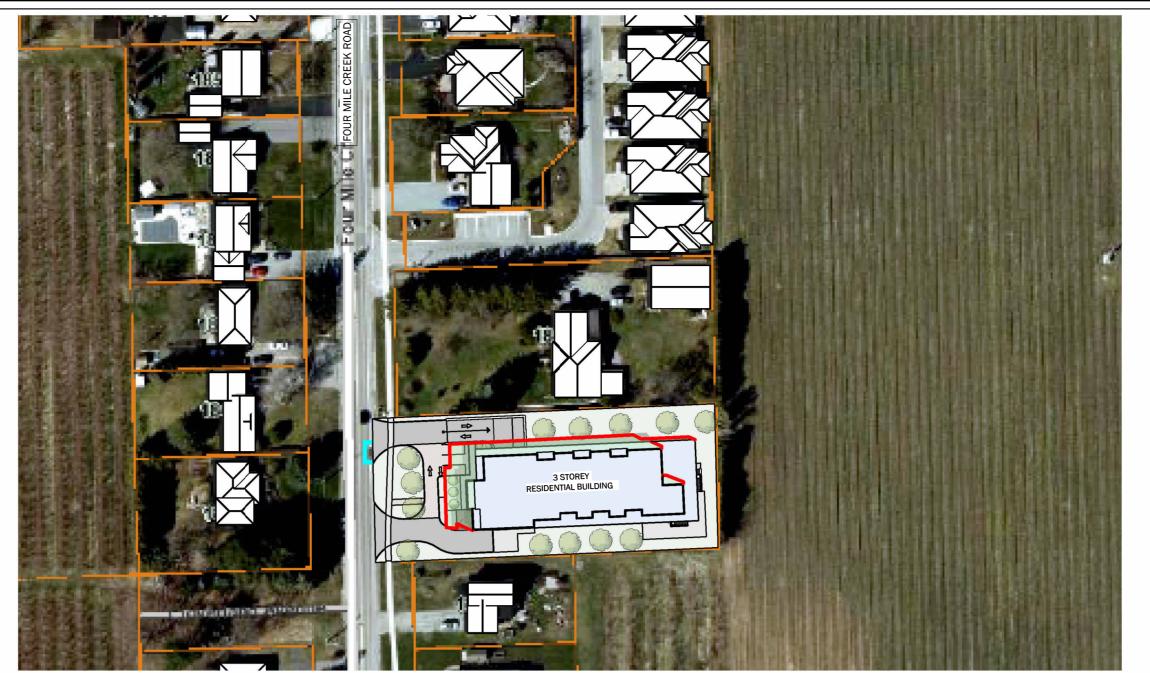
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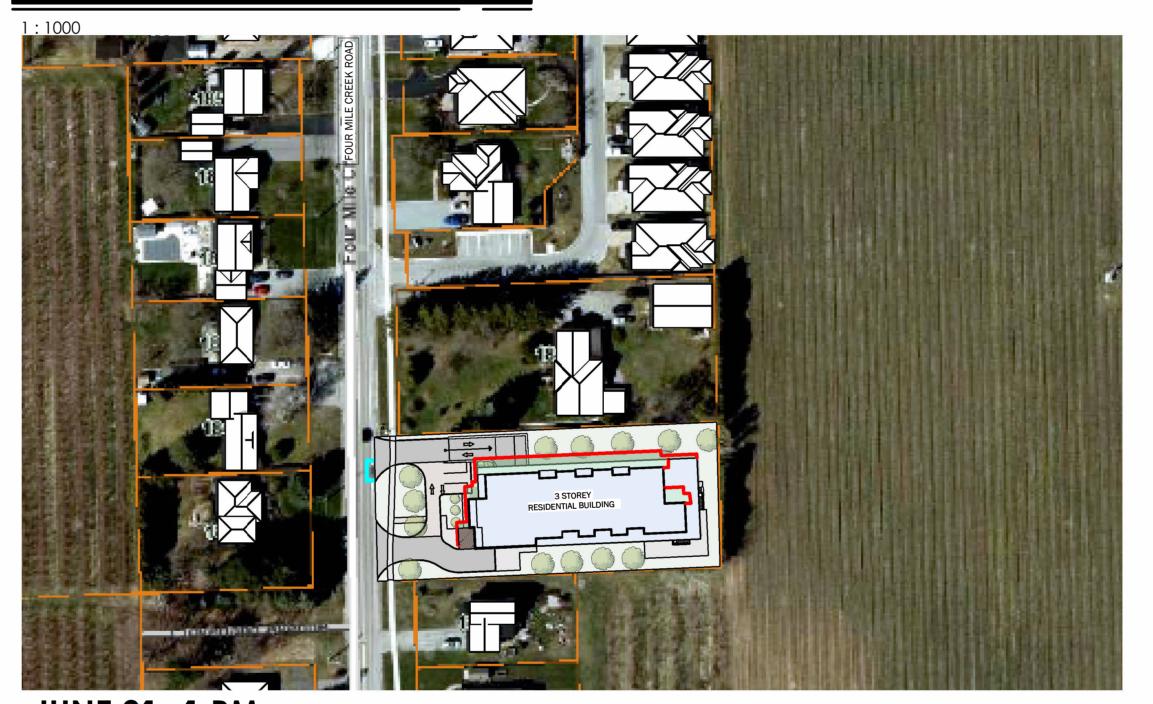
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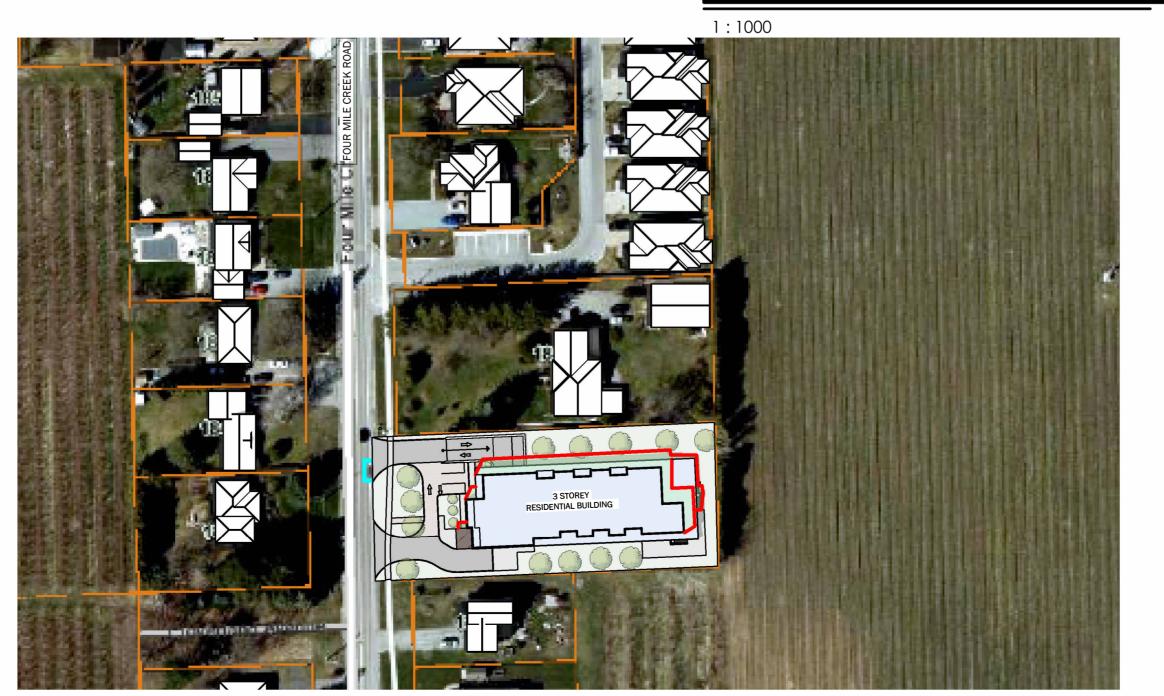
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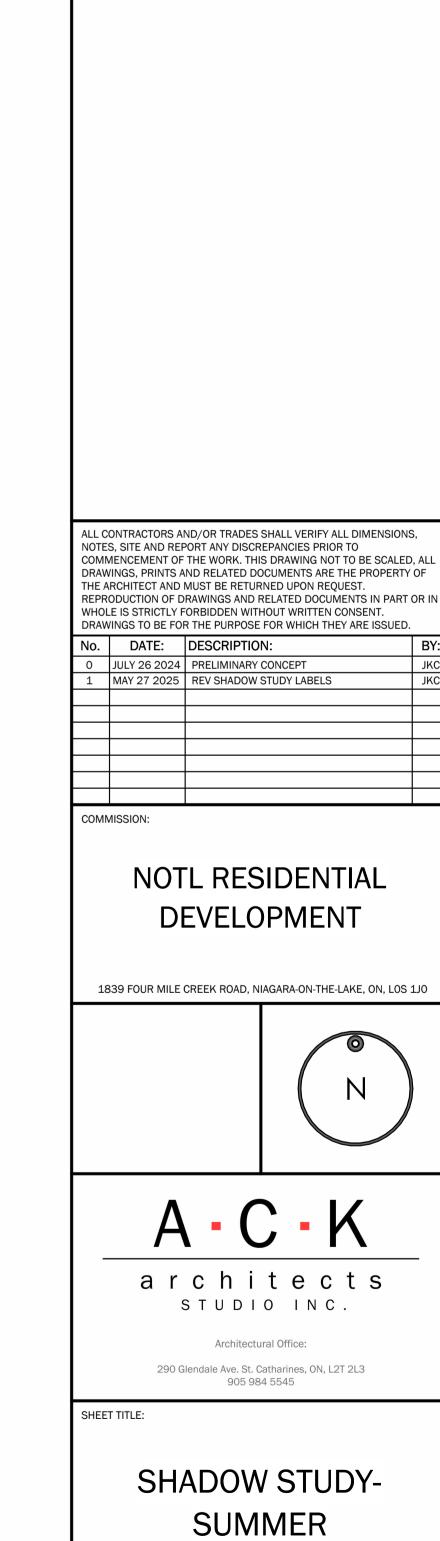


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LEGEND

PROPOSED 3 STOREY RESIDENTIAL BUILDING

EXISTING SHADOWS

NEW SHADOWS BY PROPOSED DEVELOPMENT

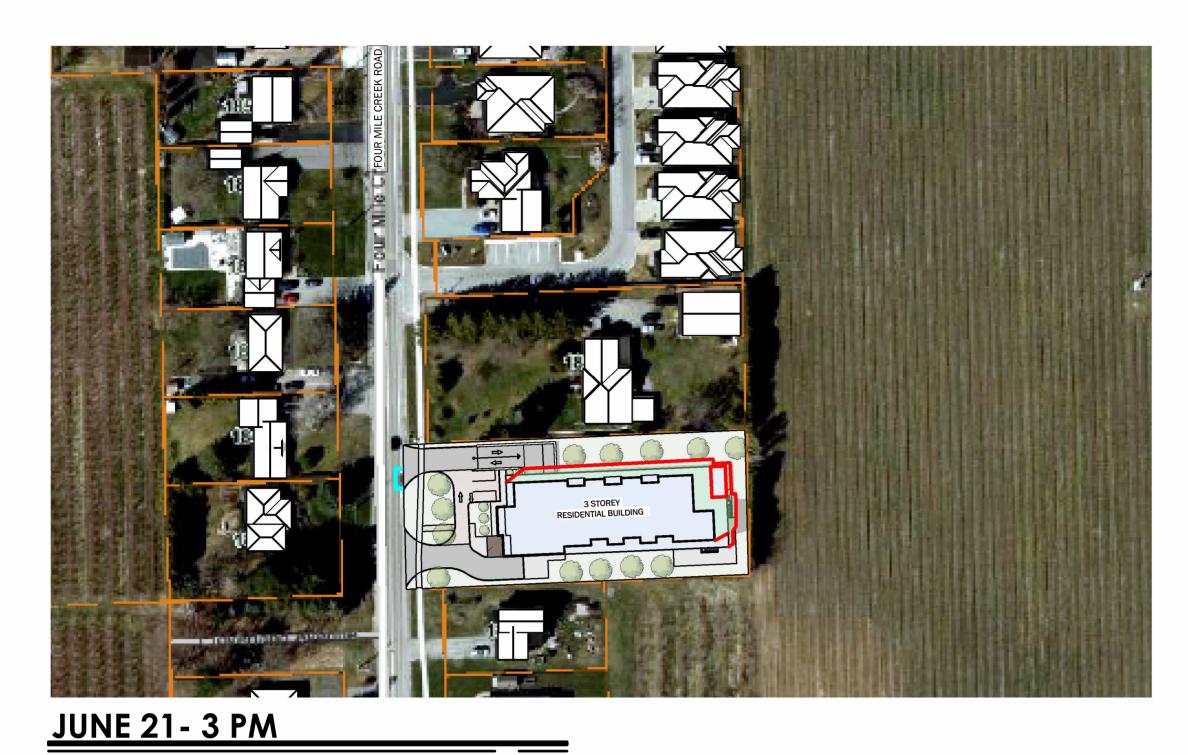
EXISTING BUILDINGS

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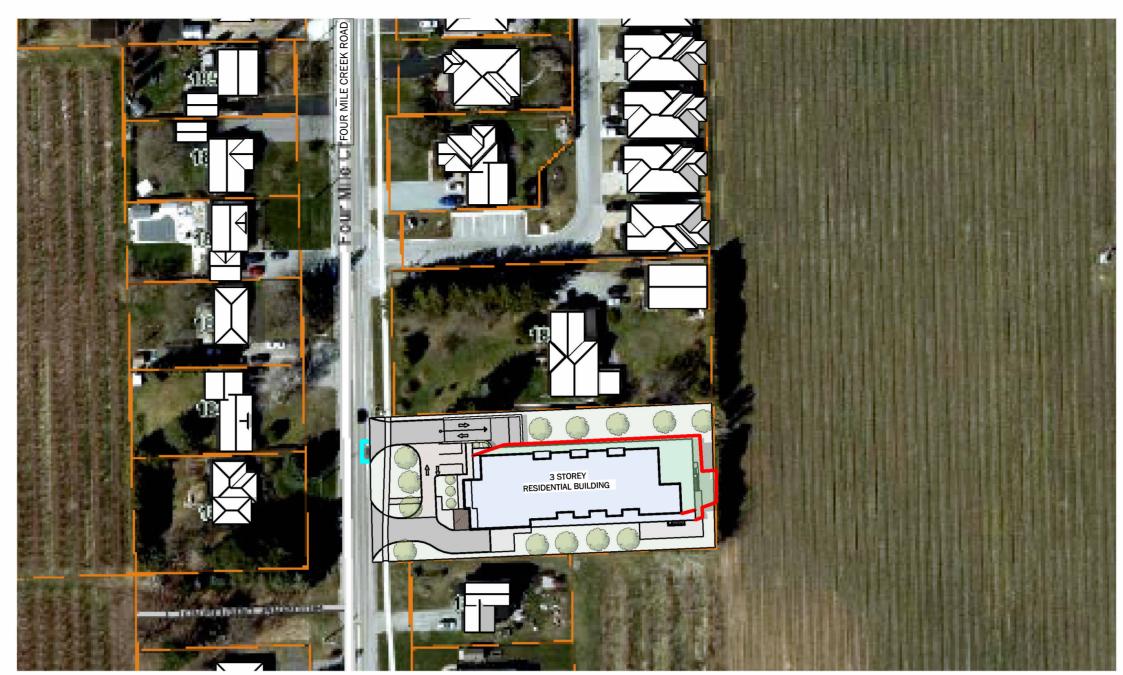
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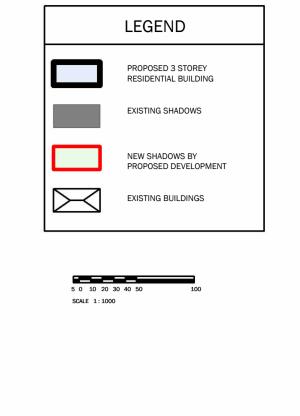
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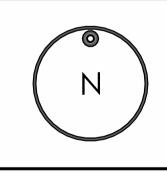
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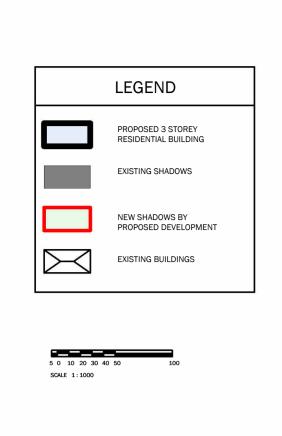
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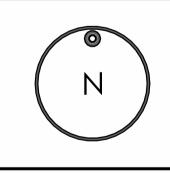
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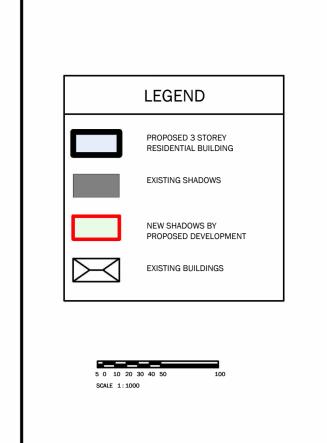
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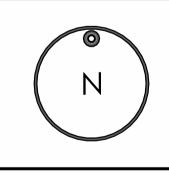
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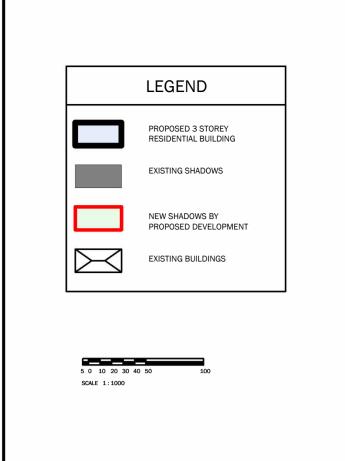
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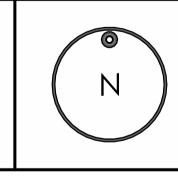
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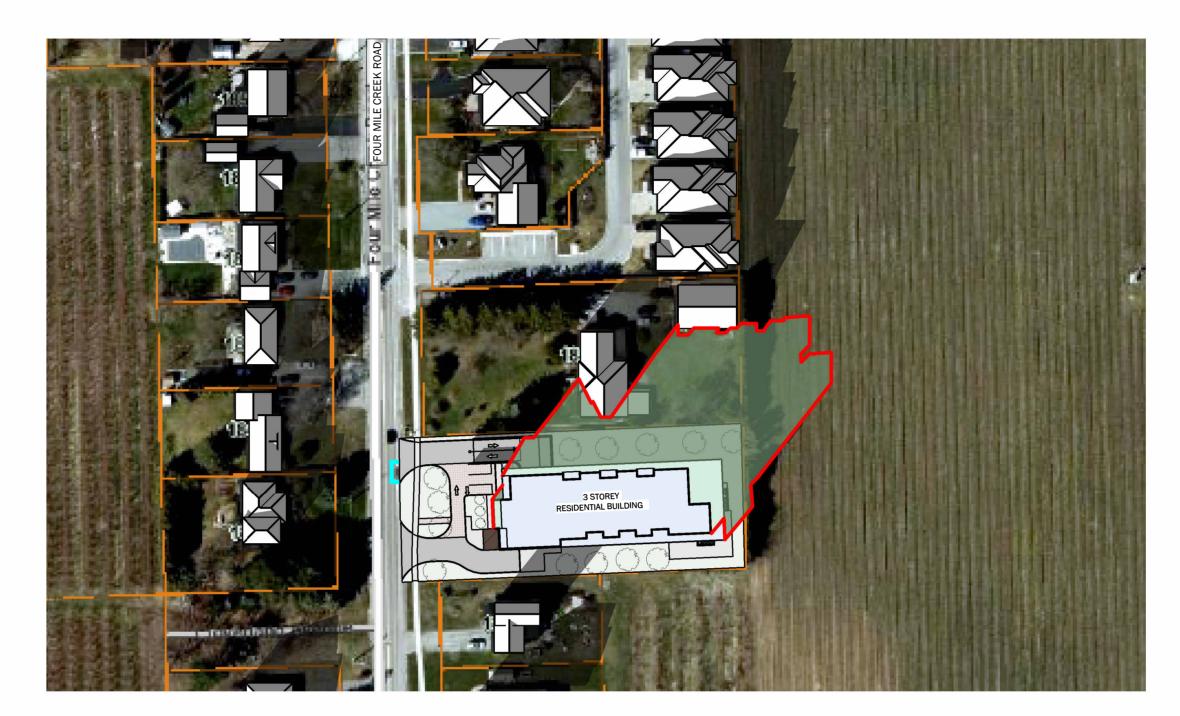
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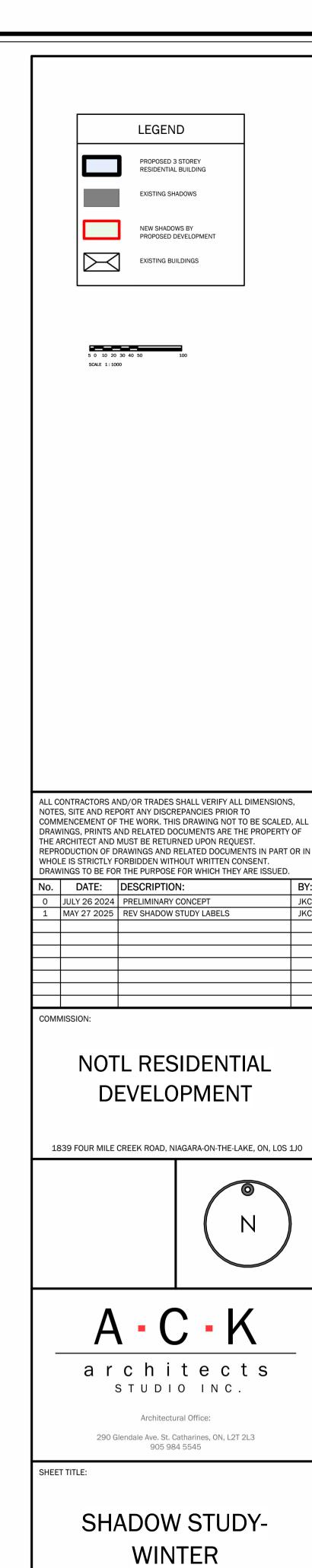
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