## PREPARED BY PMA ARCHITECTES



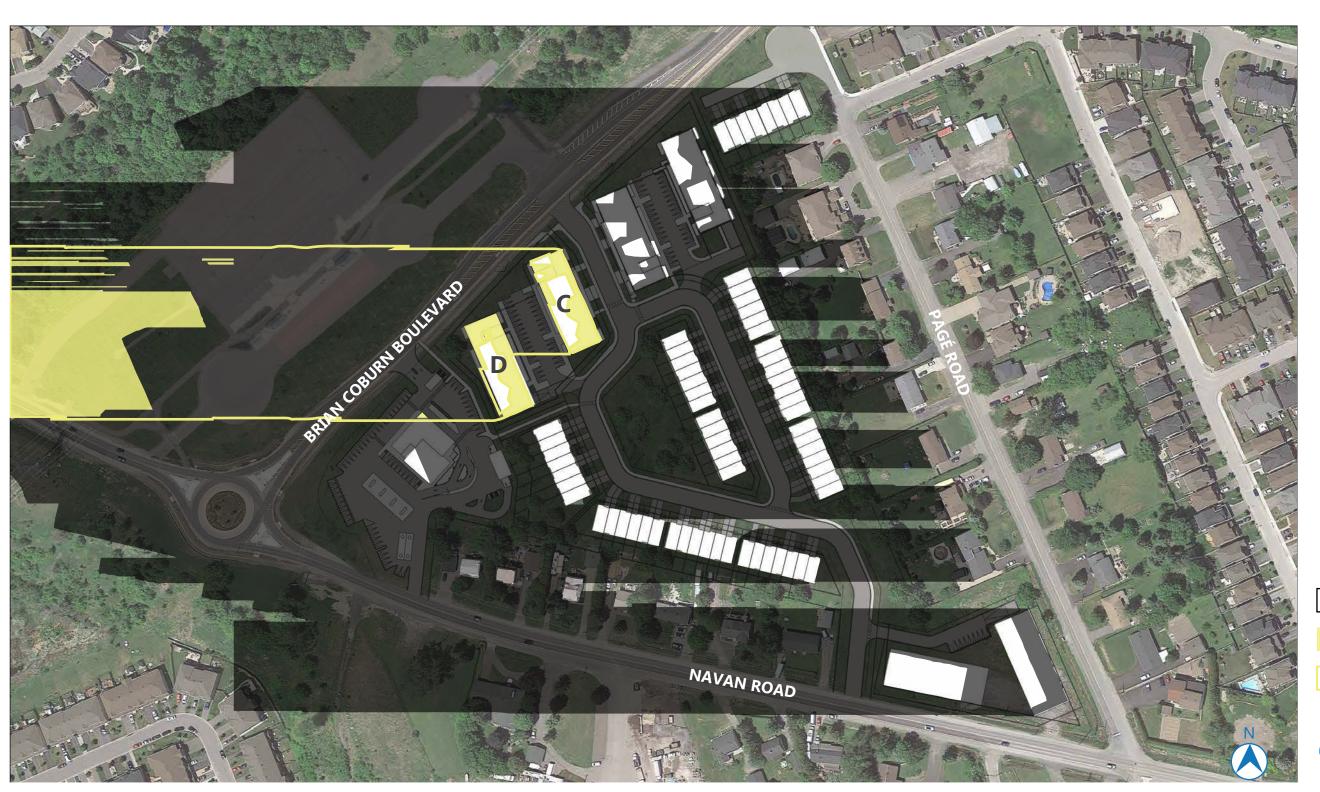




## NAVAN DEVELOPMENT 2983 NAVAN ROAD, ORLEANS SHADOW STUDY

**MARCH 22, 2024** 

FALL EQUINOX



7H EDT
FALL EQUINOX
SEPT. 21

TEST LOCATION:
PROPOSED MIXED-USE
BUILDING - 4 STOREYS
CONDOMINIUM BUILDING

AOR HEIGHT: 14.5M PROPOSED HEIGHT:

BUILDING C: 15.5M BUILDING D: 14M

2983 NAVAN ROAD, ORLEANS, ON, K1C 7G4

> LONG: 45.433288 LAT: -75.521107

PROPOSED BUILDING

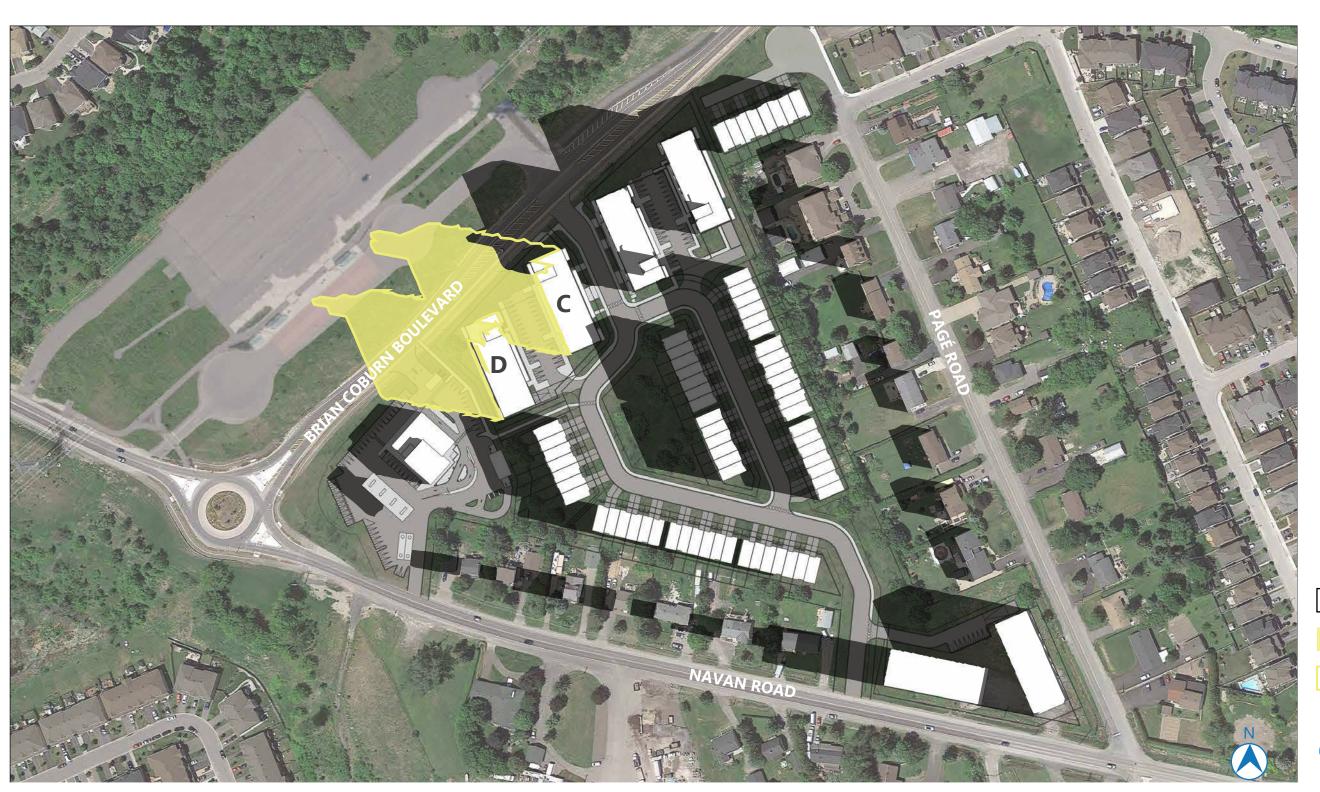
NEW NET SHADOW

PROPOSED SHADOW

M 50M 100M







8H EDT
FALL EQUINOX
SEPT. 21

TEST LOCATION:
PROPOSED MIXED-USE
BUILDING - 4 STOREYS
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PROPOSED BUILDING

NEW NET SHADOW

PROPOSED SHADOW

M 50M 100M









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PROPOSED BUILDING

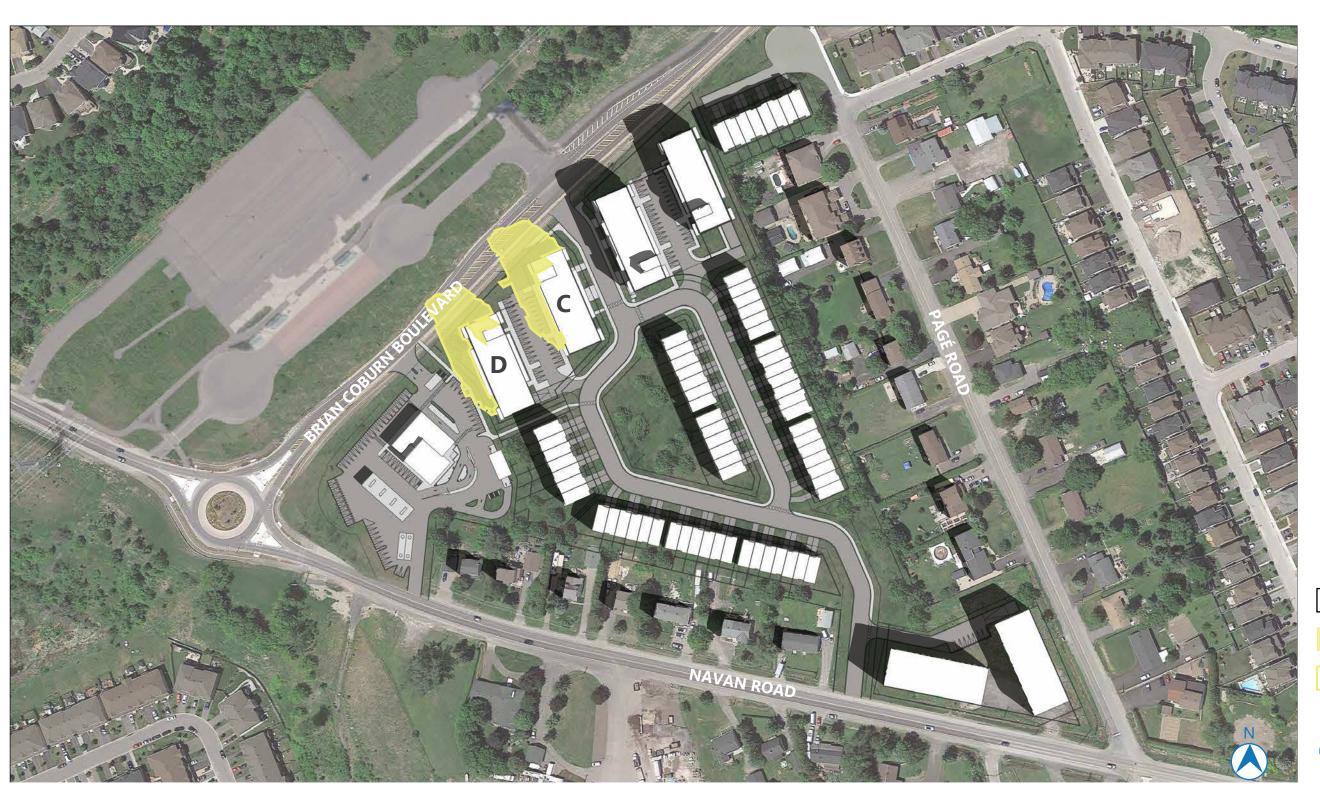
NEW NET SHADOW

PROPOSED SHADOW

0M 50M 100M









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PROPOSED BUILDING

**NEW NET SHADOW** 

PROPOSED SHADOW

50M 100M









> AOR HEIGHT: 14.5M PROPOSED HEIGHT:

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2983 NAVAN ROAD, ORLEANS, ON, K1C 7G4

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PROPOSED BUILDING

**NEW NET SHADOW** 

PROPOSED SHADOW

50M

100M









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PROPOSED BUILDING

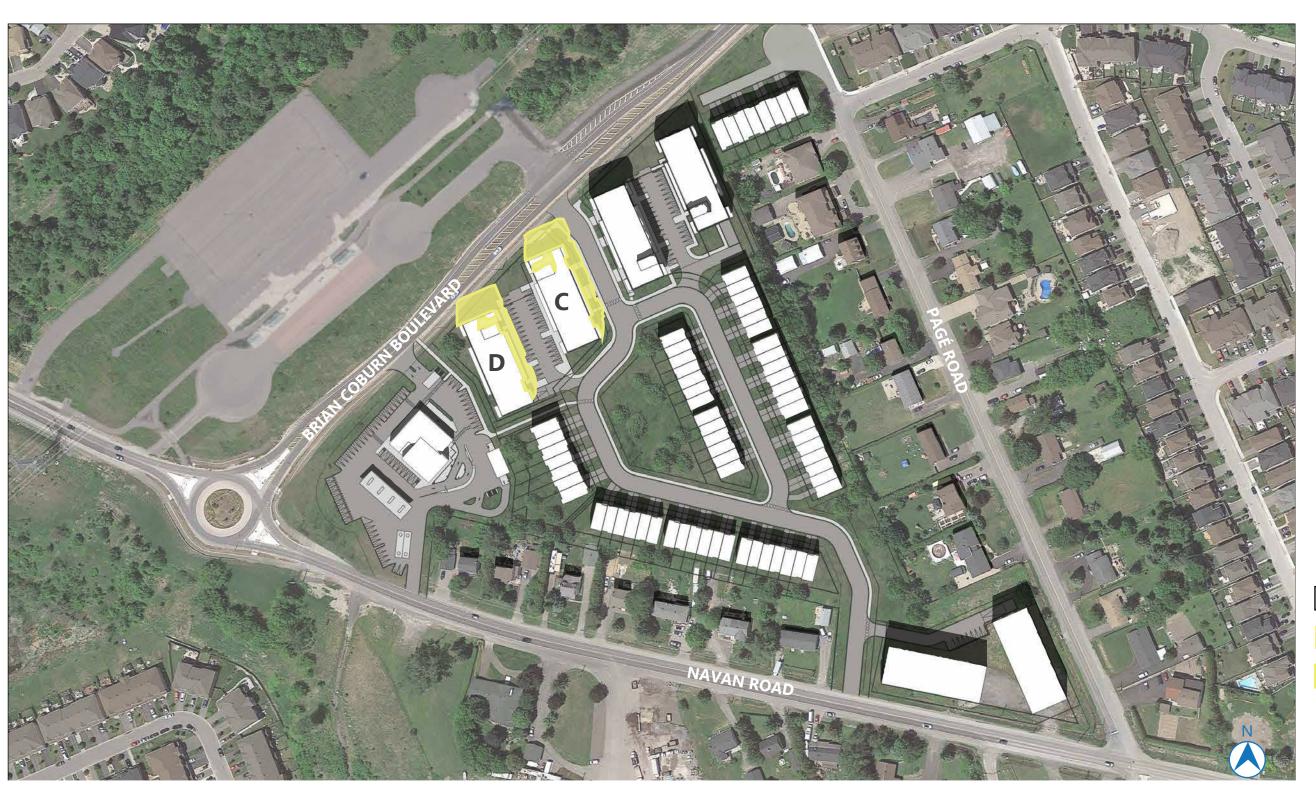
**NEW NET SHADOW** 

PROPOSED SHADOW

50M 100M









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2983 NAVAN ROAD, ORLEANS, ON, K1C 7G4

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PROPOSED BUILDING

**NEW NET SHADOW** 

PROPOSED SHADOW

50M 100M









AOR HEIGHT: 14.5M PROPOSED HEIGHT:

BUILDING C: 15.5M BUILDING D: 14M

2983 NAVAN ROAD, ORLEANS, ON, K1C 7G4

> LONG: 45.433288 LAT: -75.521107

PROPOSED BUILDING

NEW NET SHADOW

PROPOSED SHADOW

1 50M 100M









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PROPOSED BUILDING

NEW NET SHADOW

PROPOSED SHADOW

M 50M 100M









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PROPOSED BUILDING

NEW NET SHADOW

PROPOSED SHADOW

DM 50M 100M









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PROPOSED BUILDING

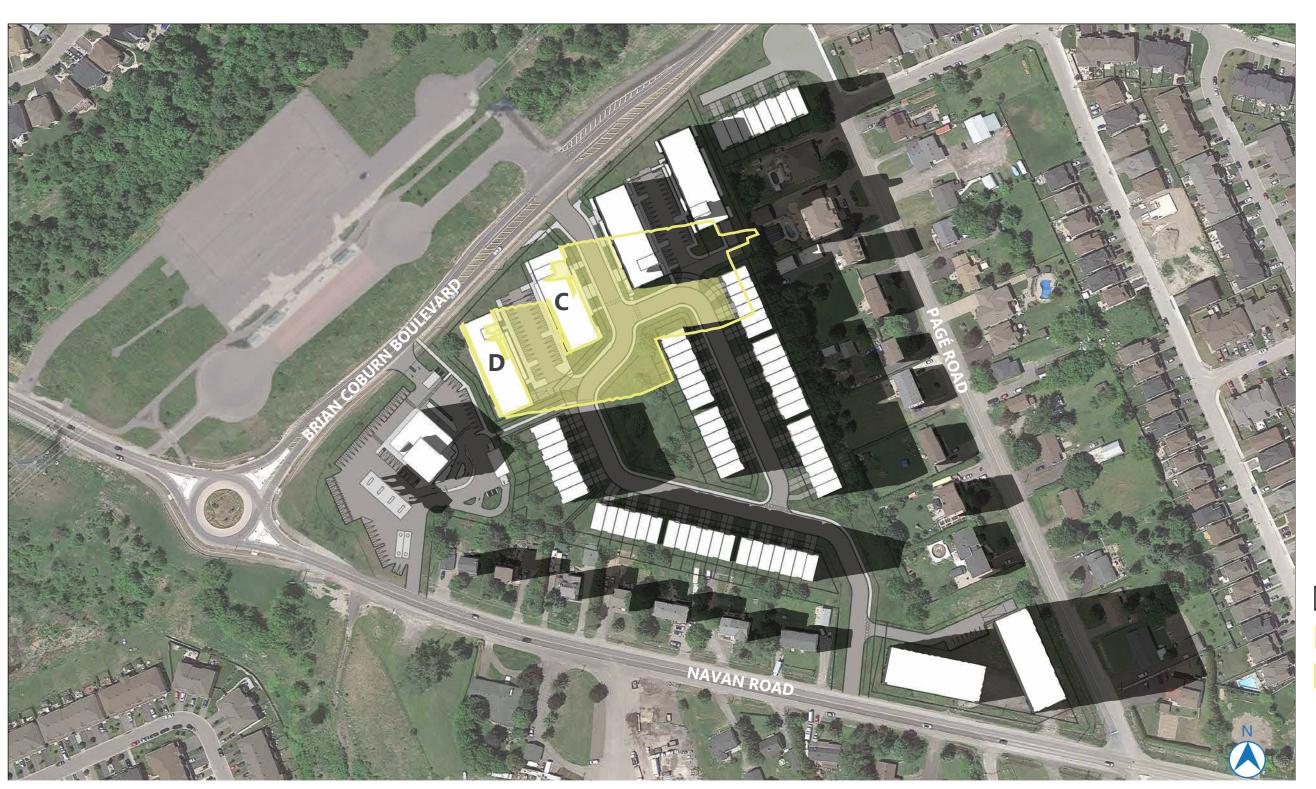
**NEW NET SHADOW** 

PROPOSED SHADOW

50M 100M









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2983 NAVAN ROAD, ORLEANS, ON, K1C 7G4

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PROPOSED BUILDING

**NEW NET SHADOW** 

PROPOSED SHADOW

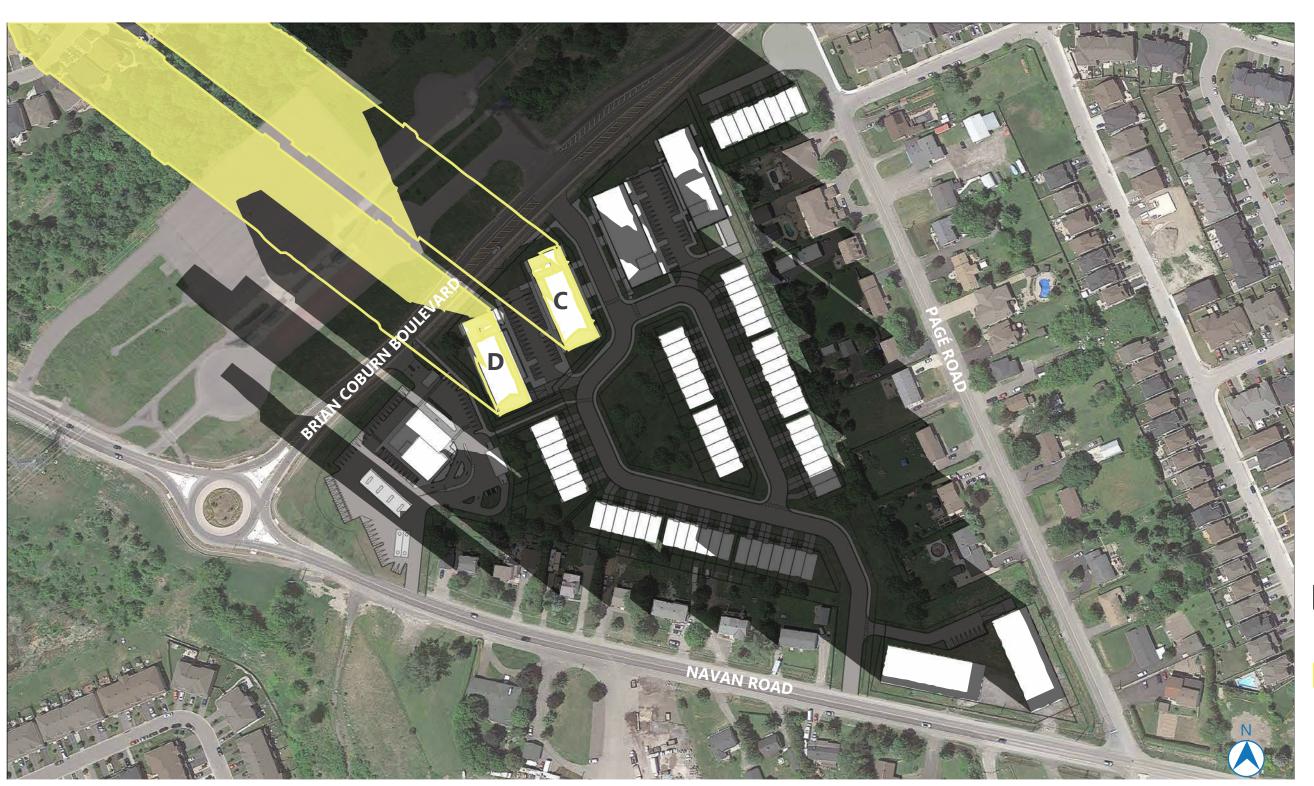
50M

100M





3.2 WINTER SOLSTICE



8H EST
WINTER SOLSTICE
DEC. 21

TEST LOCATION:
PROPOSED MIXED-USE
BUILDING - 4 STOREYS
CONDOMINIUM BUILDING

AOR HEIGHT: 14.5M PROPOSED HEIGHT:

BUILDING C: 15.5M BUILDING D: 14M

2983 NAVAN ROAD, ORLEANS, ON, K1C 7G4

> LONG: 45.433288 LAT: -75.521107

PROPOSED BUILDING

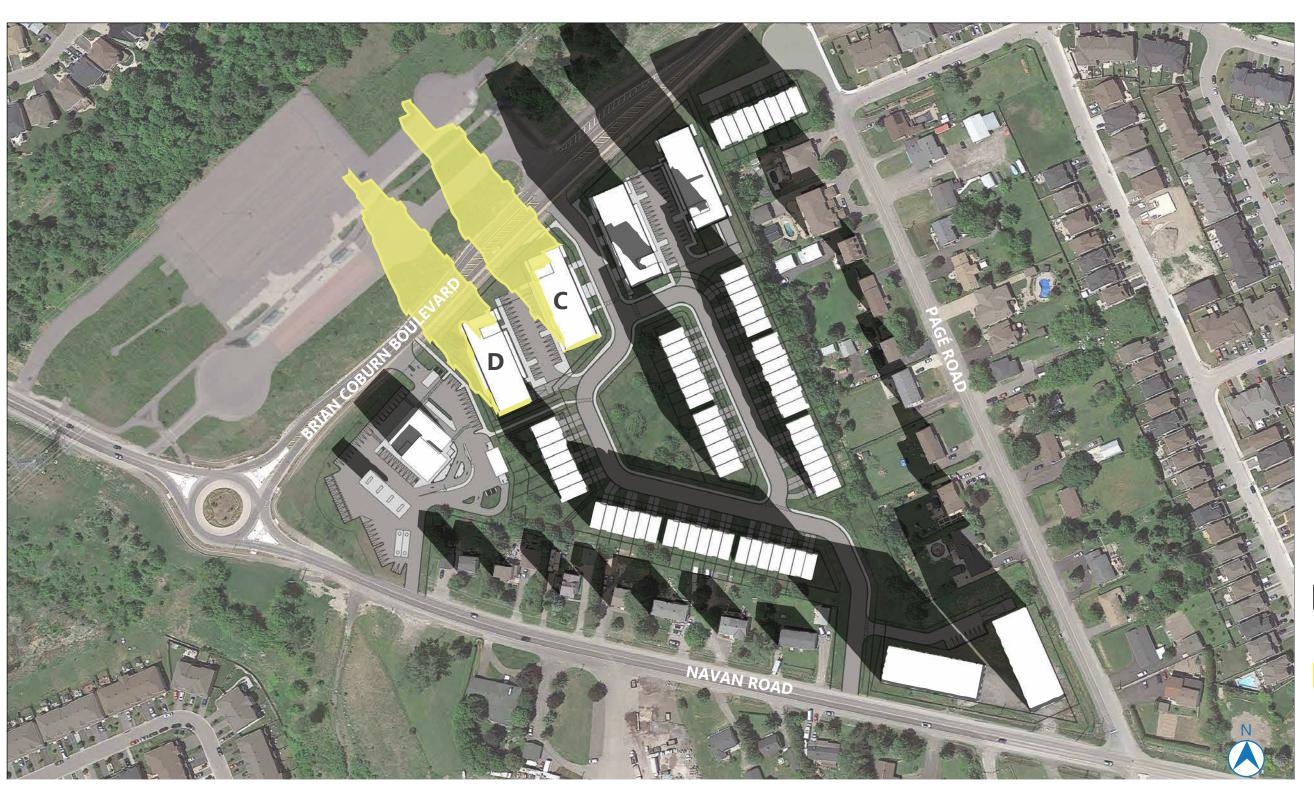
NEW NET SHADOW

PROPOSED SHADOW

M 50M 100M









> AOR HEIGHT: 14.5M PROPOSED HEIGHT:

> > BUILDING C: 15.5M BUILDING D: 14M

2983 NAVAN ROAD, ORLEANS, ON, K1C 7G4

> LONG: 45.433288 LAT: -75.521107

PROPOSED BUILDING

**NEW NET SHADOW** 

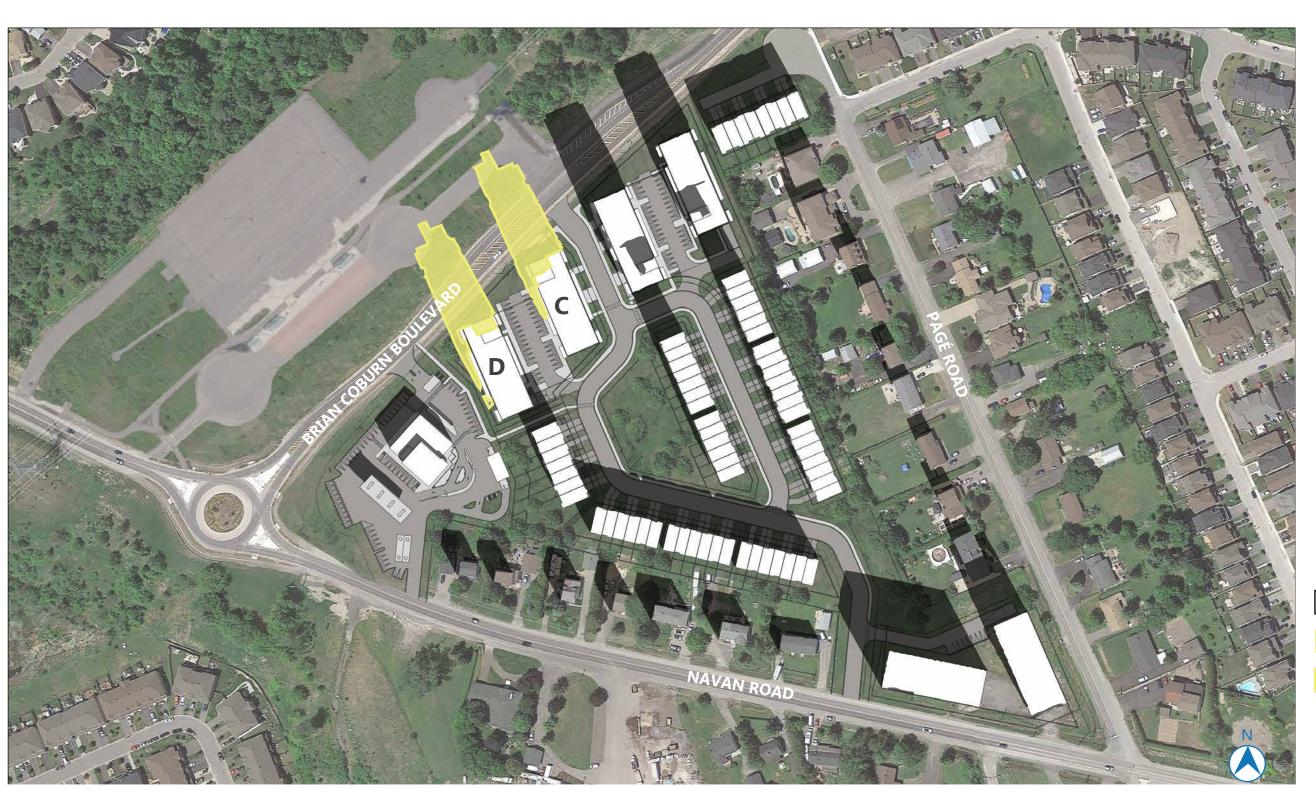
PROPOSED SHADOW

50M

100M









> AOR HEIGHT: 14.5M PROPOSED HEIGHT:

BUILDING C: 15.5M BUILDING D: 14M

2983 NAVAN ROAD, ORLEANS, ON, K1C 7G4

> LONG: 45.433288 LAT: -75.521107

PROPOSED BUILDING

**NEW NET SHADOW** 

PROPOSED SHADOW

50M 100M









AOR HEIGHT: 14.5M PROPOSED HEIGHT:

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2983 NAVAN ROAD, ORLEANS, ON, K1C 7G4

> LONG: 45.433288 LAT: -75.521107

PROPOSED BUILDING

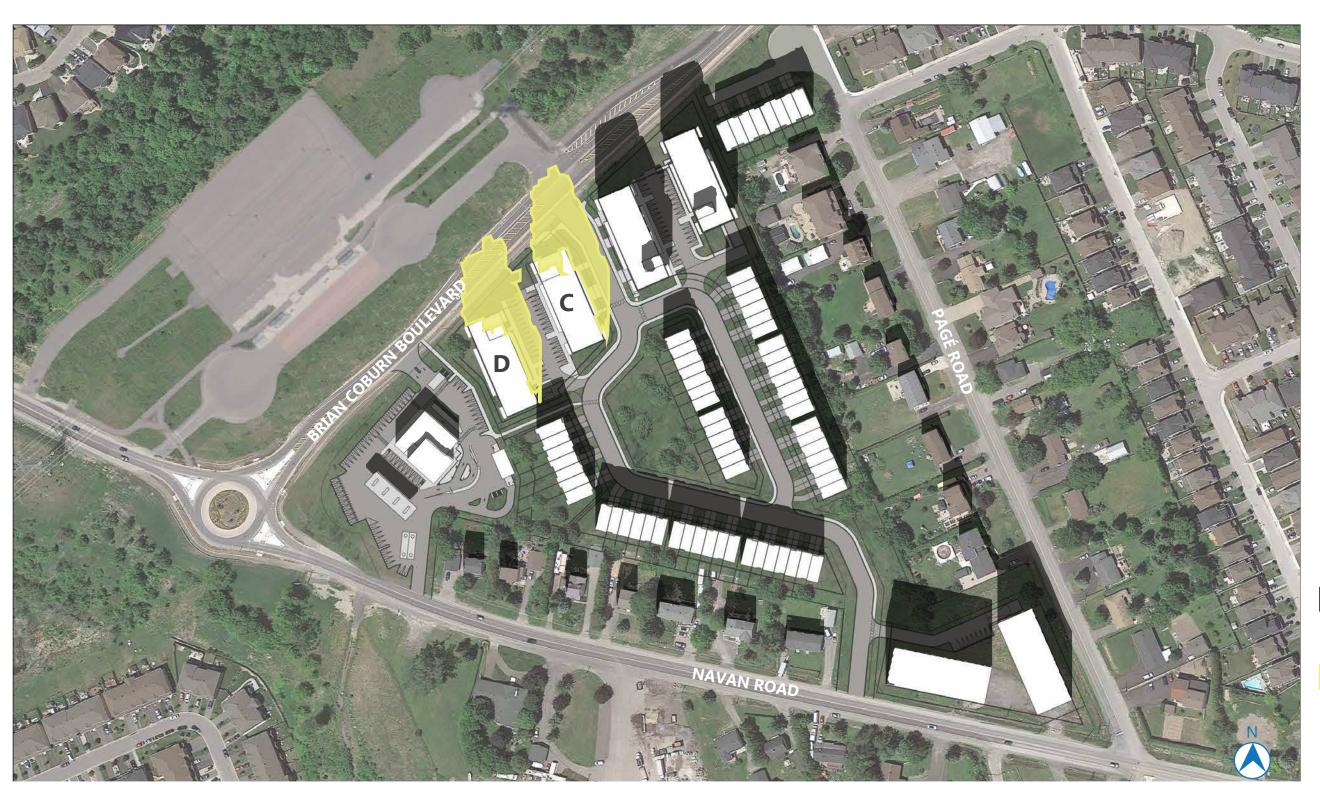
NEW NET SHADOW

PROPOSED SHADOW

M 50M 100M









> AOR HEIGHT: 14.5M PROPOSED HEIGHT:

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PROPOSED BUILDING

**NEW NET SHADOW** 

PROPOSED SHADOW

50M 100M









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PROPOSED BUILDING

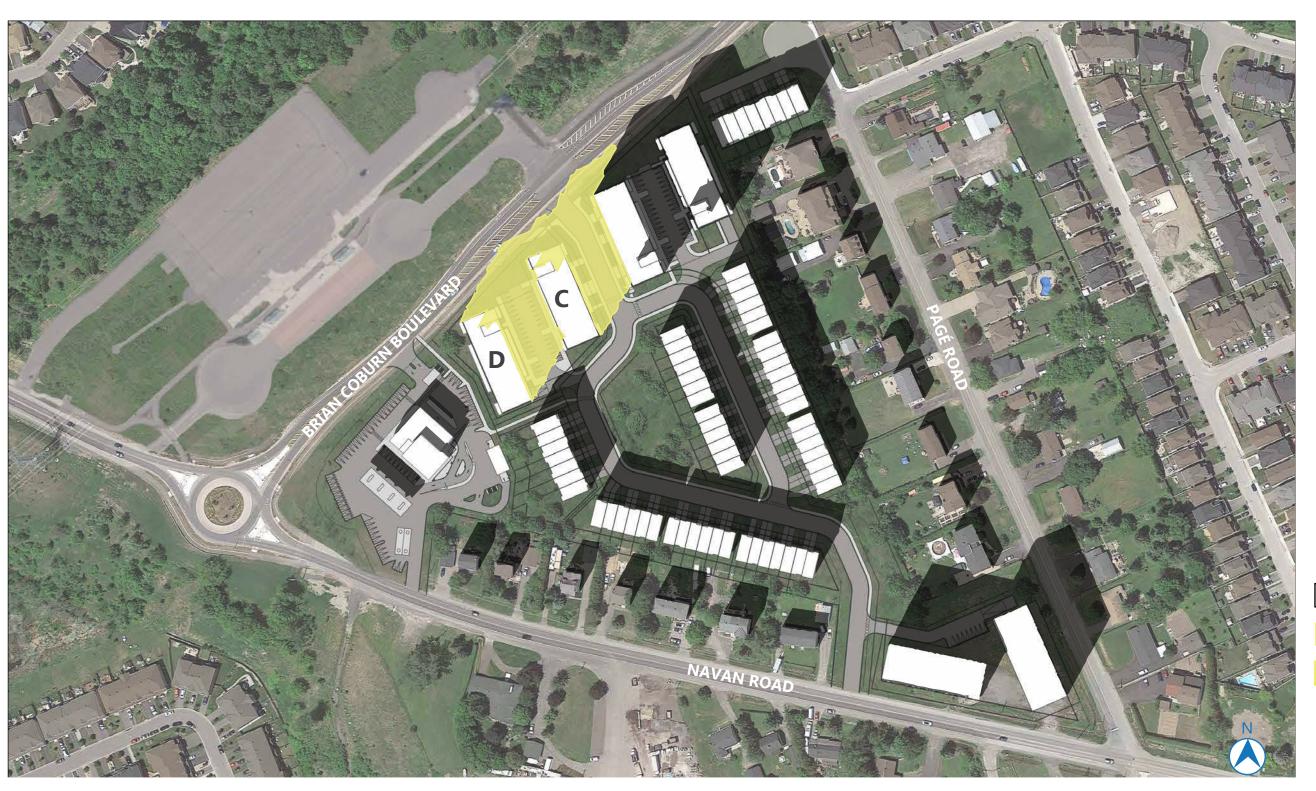
**NEW NET SHADOW** 

PROPOSED SHADOW

50M 100M









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PROPOSED BUILDING

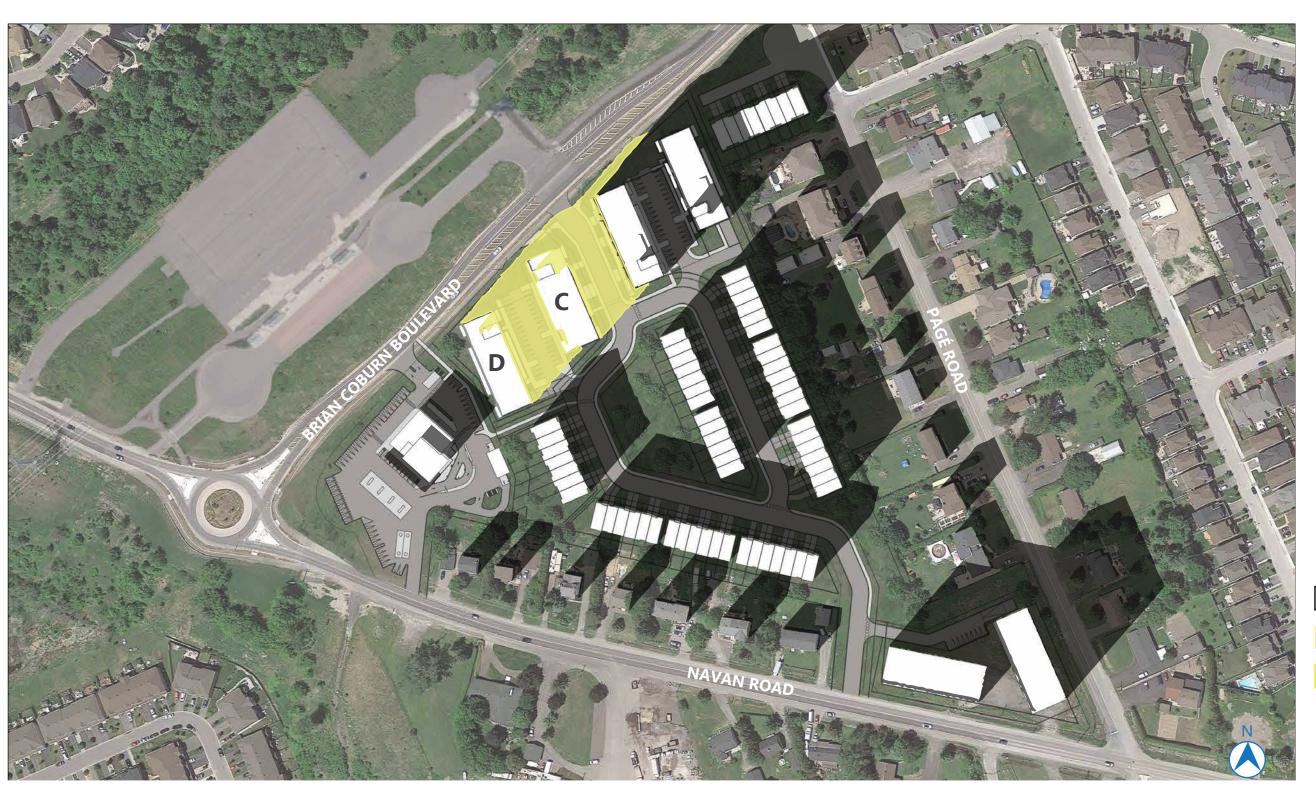
NEW NET SHADOW

PROPOSED SHADOW

M 50M 100M









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PROPOSED BUILDING

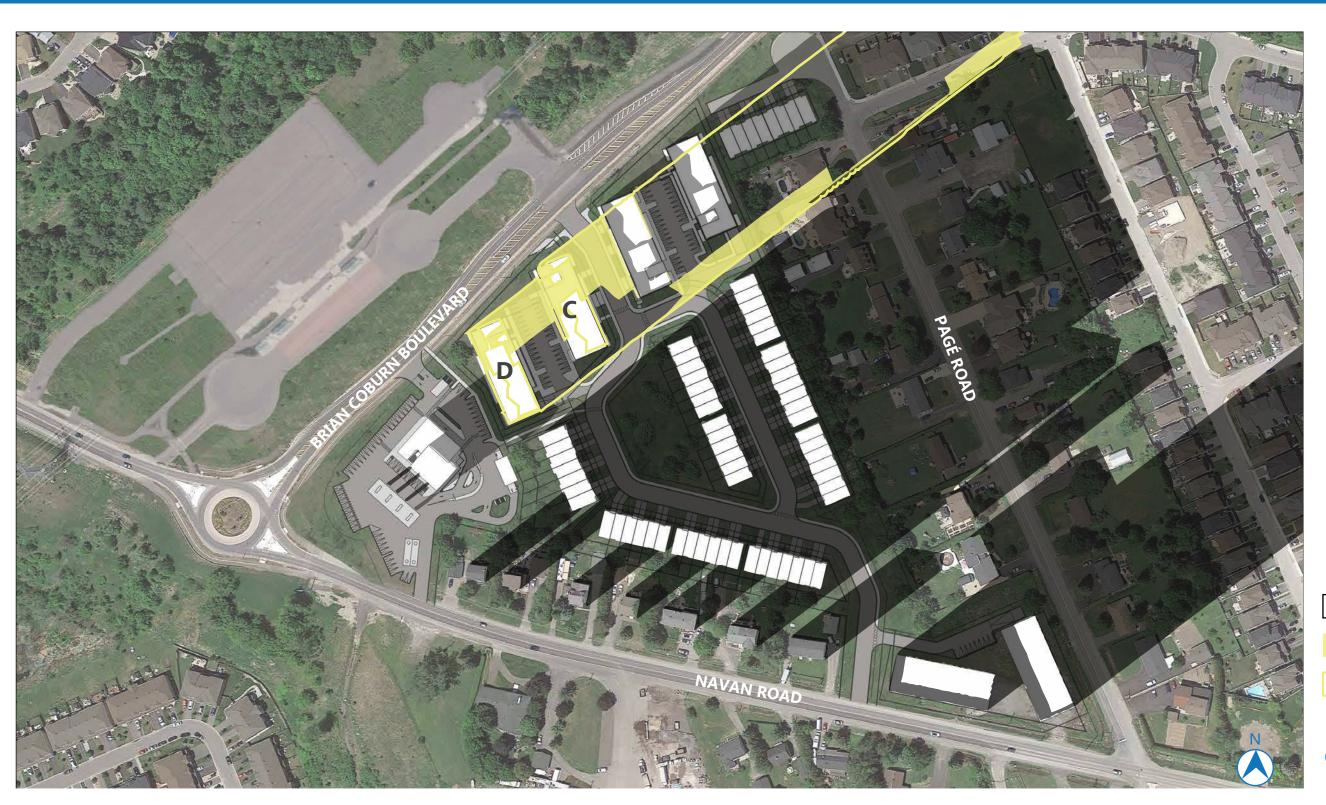
NEW NET SHADOW

PROPOSED SHADOW

M 50M 100M









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PROPOSED BUILDING

NEW NET SHADOW

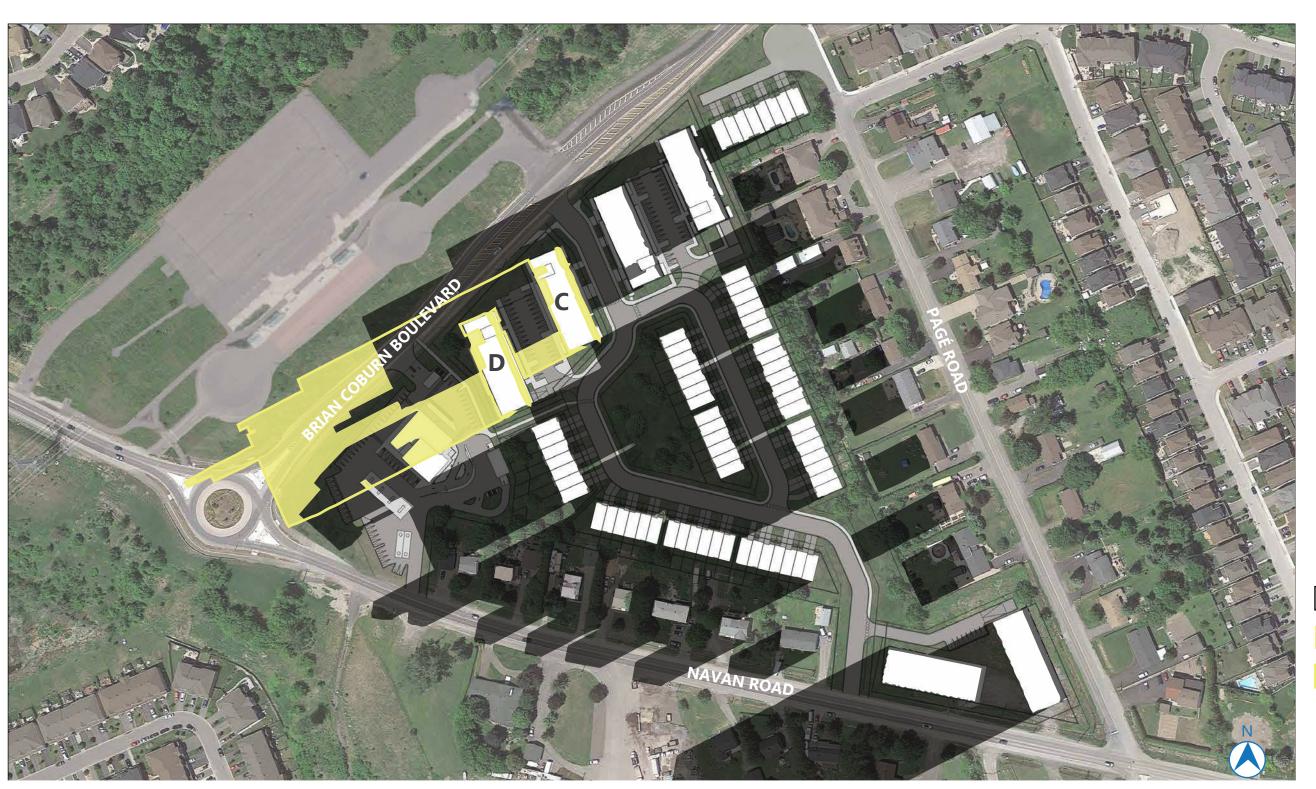
PROPOSED SHADOW

И 50M 100M





3.3 SUMMER SOLSTICE



6H EDT
SUMMER SOLSTICE
JUNE. 21

TEST LOCATION:
PROPOSED MIXED-USE
BUILDING - 4 STOREYS
CONDOMINIUM BUILDING

AOR HEIGHT: 14.5M PROPOSED HEIGHT:

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2983 NAVAN ROAD, ORLEANS, ON, K1C 7G4

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PROPOSED BUILDING

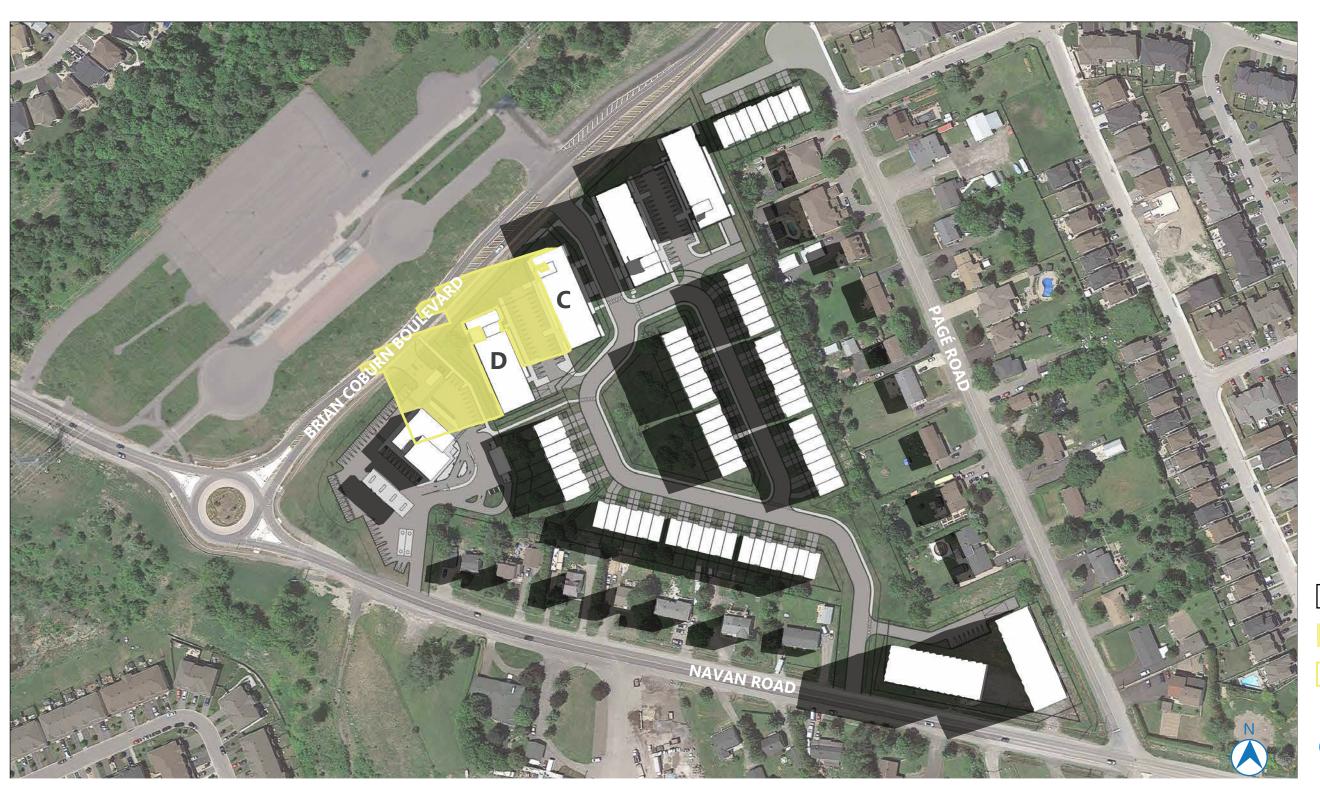
NEW NET SHADOW

PROPOSED SHADOW

M 50M 100M









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PROPOSED BUILDING

NEW NET SHADOW

PROPOSED SHADOW

M 50M 100M









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PROPOSED BUILDING

NEW NET SHADOW

PROPOSED SHADOW

M 50M 100M









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PROPOSED BUILDING

**NEW NET SHADOW** 

PROPOSED SHADOW

50M 100M









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2983 NAVAN ROAD, ORLEANS, ON, K1C 7G4

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PROPOSED BUILDING

**NEW NET SHADOW** 

PROPOSED SHADOW

50M 100M









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PROPOSED BUILDING

NEW NET SHADOW

PROPOSED SHADOW

и 50M

31

100M









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PROPOSED BUILDING

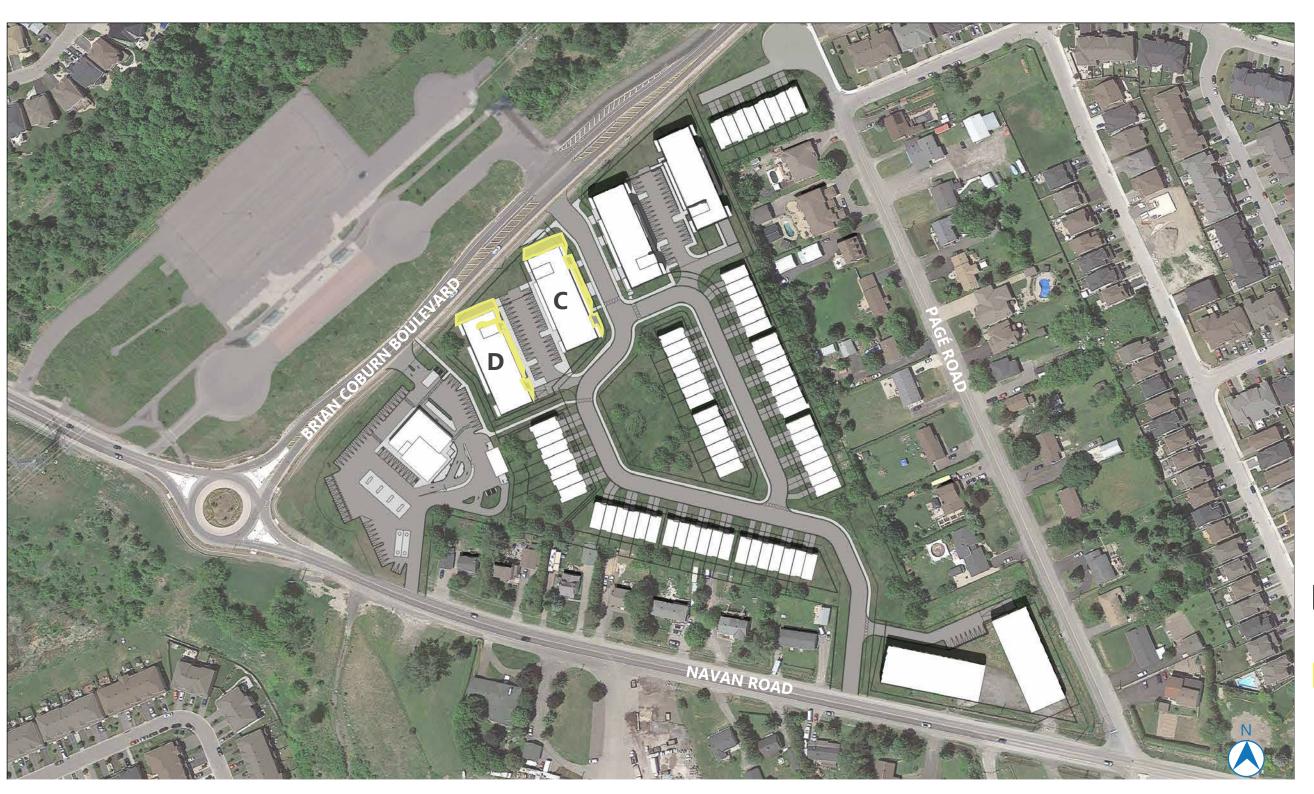
NEW NET SHADOW

PROPOSED SHADOW

M 50M 100M









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PROPOSED BUILDING

NEW NET SHADOW

PROPOSED SHADOW

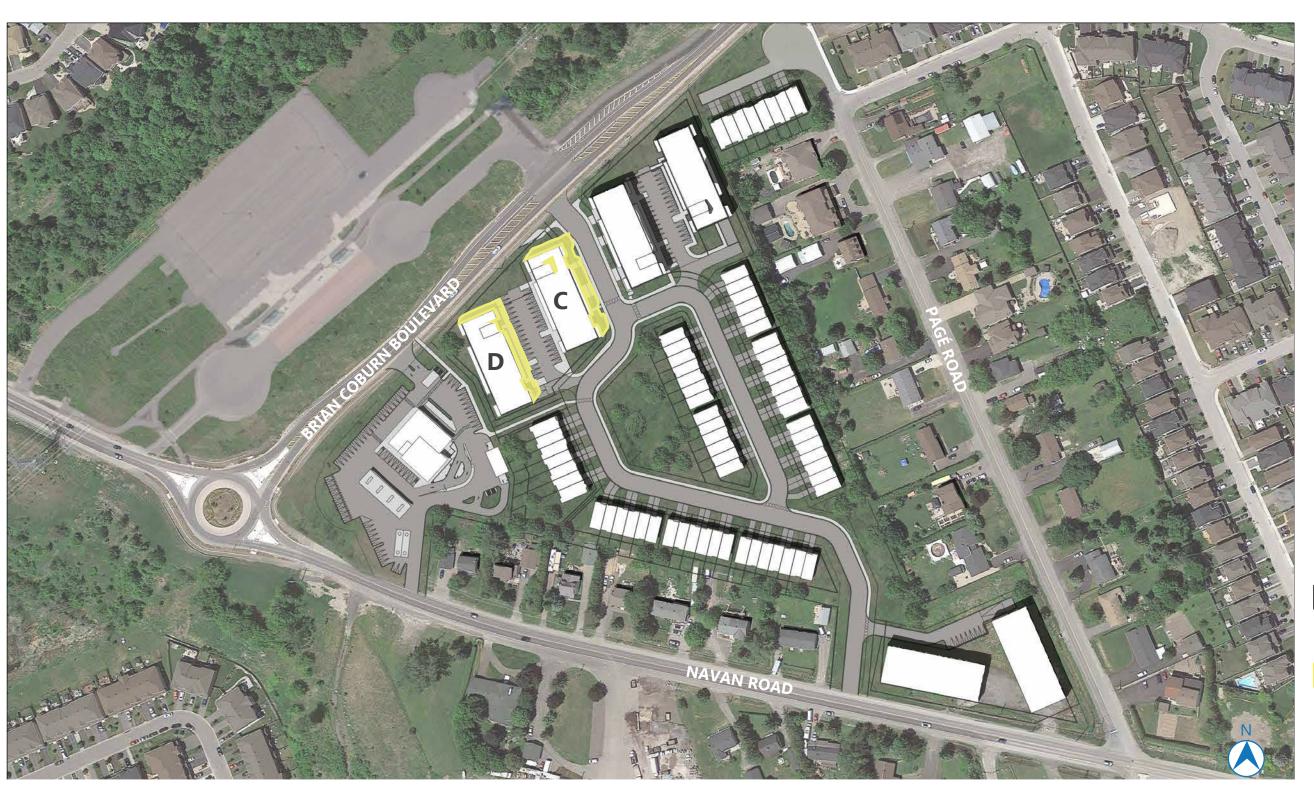
M 50M

33

100M









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PROPOSED SHADOW

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PROPOSED SHADOW

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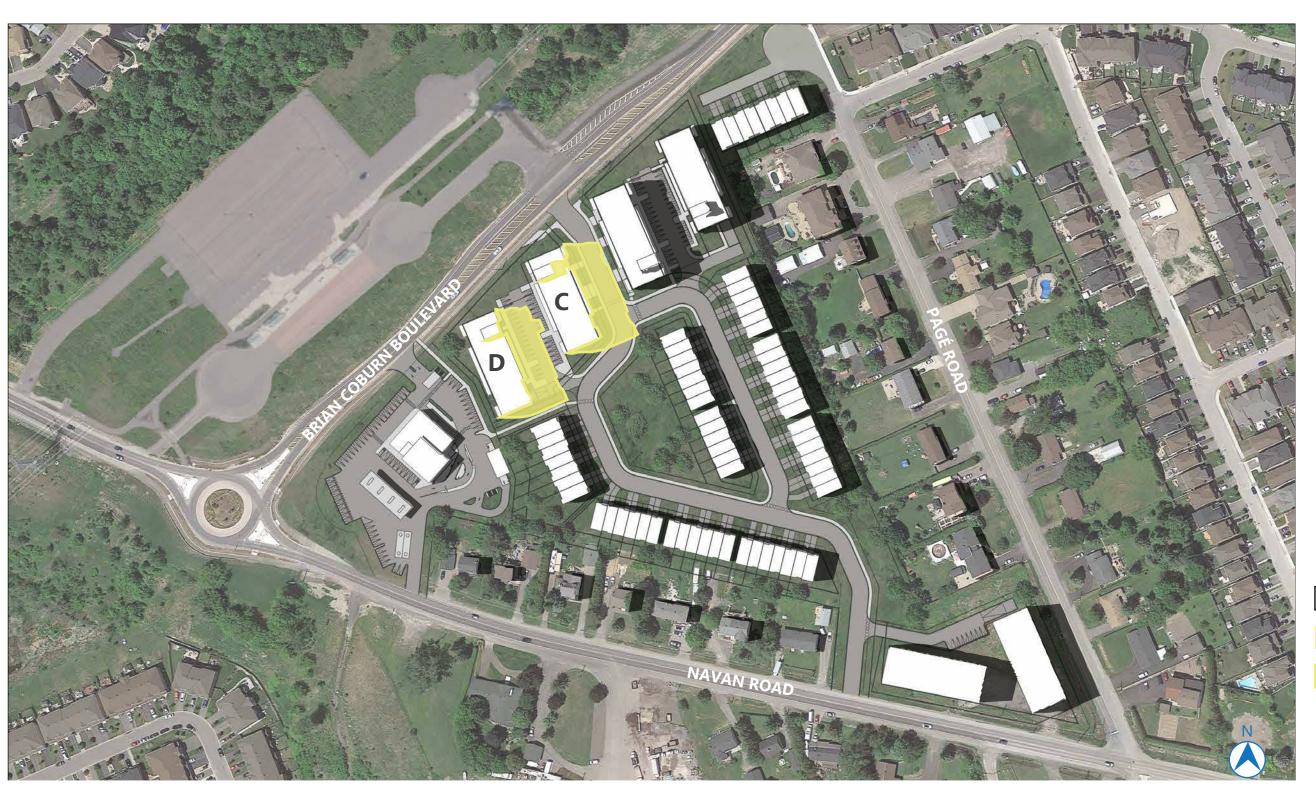
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PROPOSED SHADOW

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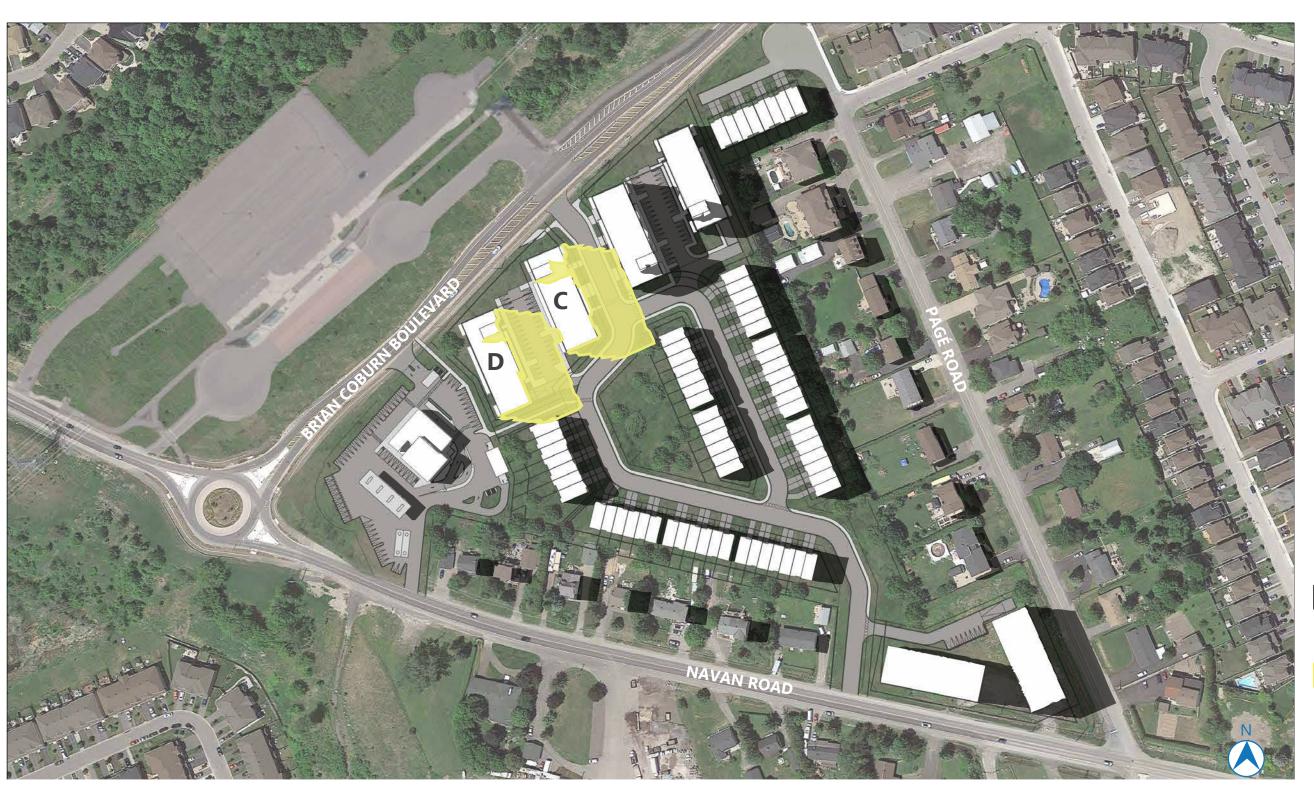
NEW NET SHADOW

PROPOSED SHADOW

100M









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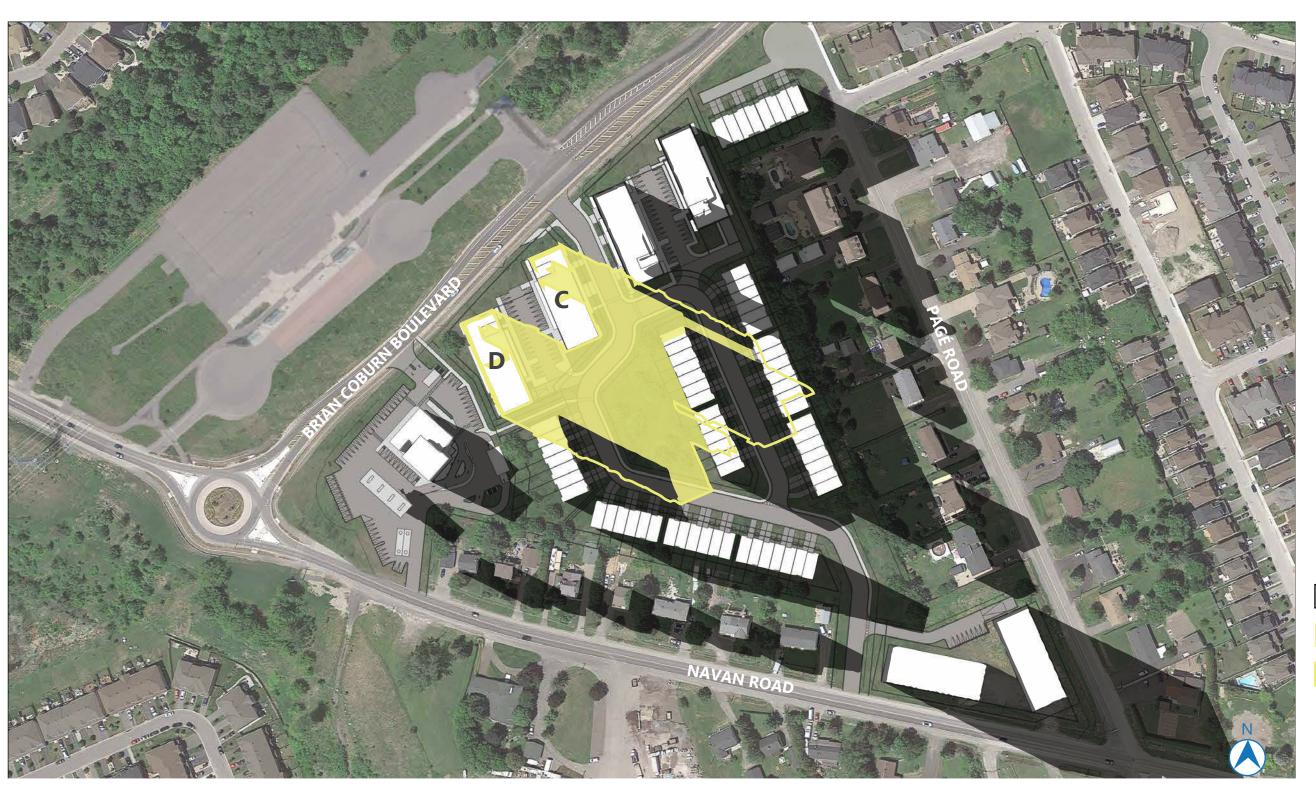
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PROPOSED BUILDING

NEW NET SHADOW

PROPOSED SHADOW

1 50M

10

100M



