1120 COOKE BLVD
PHASE 2

1120 COOKE BLVD
BURLINGTON, ON
20-129

1120 COOKE BOULEVARD - PHASE 2
SHADOW STUDY

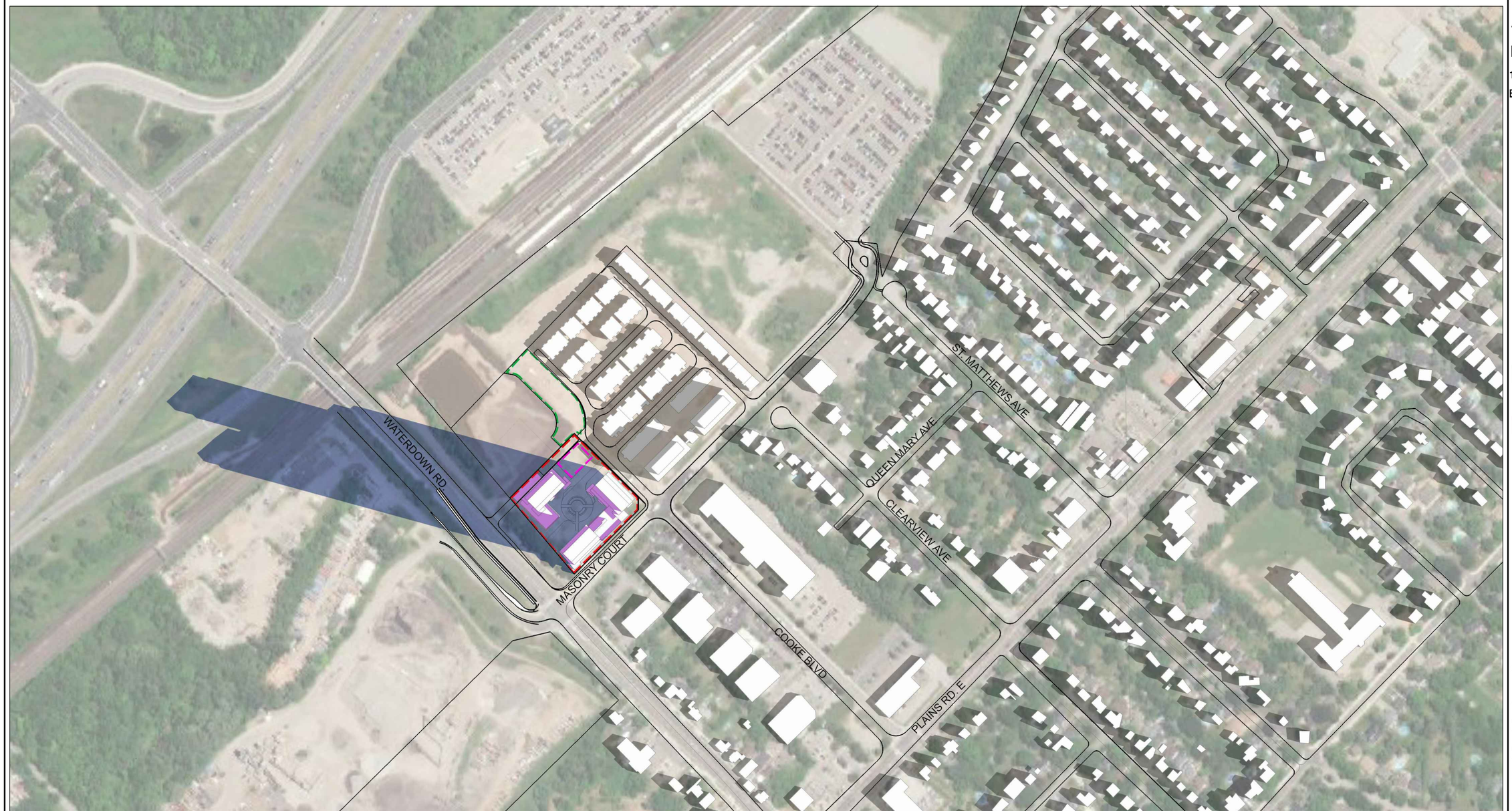
ISSUED FOR OPA/ ZBA
07 OCTOBER 2021

The proposed buildings at 1120 Cooke Blvd, Burlington and its resultant massing fits all criteria with reference to the City's Shadow Impact Criteria except the Neighborhood Park area during the winter time which the simulations indicate that SAF fell slightly below the required 0.5 SAF. The specific points that relate to this site are as follows: Neighborhood Park area ,Private Outdoor Amenity Space and Public Realm/Sidewalks. There are only a few private backyards to the East of the subject site adjacent to Queen Mary Ave and Clearview Ave which are minimally impacted by the proposed development.The proposed massing results in a calculated SAF of 0.83 on March/September and SAF of 0.42 on December for Neighborhood Park, SAF of 0.30 for Private Outdoor Amenity Spaces and SAF of 0.86 for Public Realm and Sidewalks, well above the minimum requirement of 0.22 and 0.5 respectively.

07 OCTOBER 2021

A100
TITLE

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 348 0400 e F +1 416 348 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 MARCH, 09:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A101
SHADOW STUDY

COREARCHITECTS

CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 MARCH, 10:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

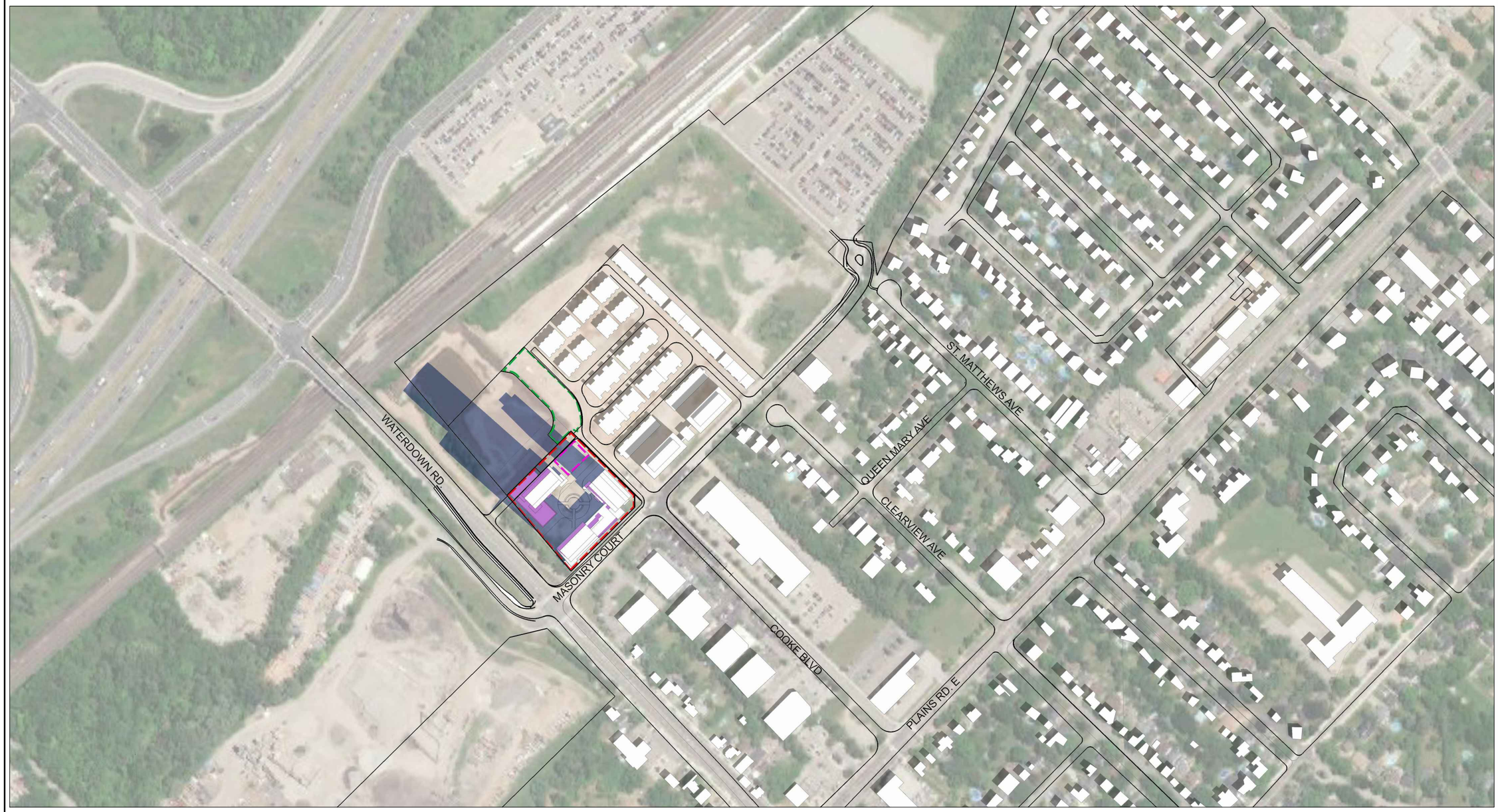
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A102 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 MARCH, 11:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

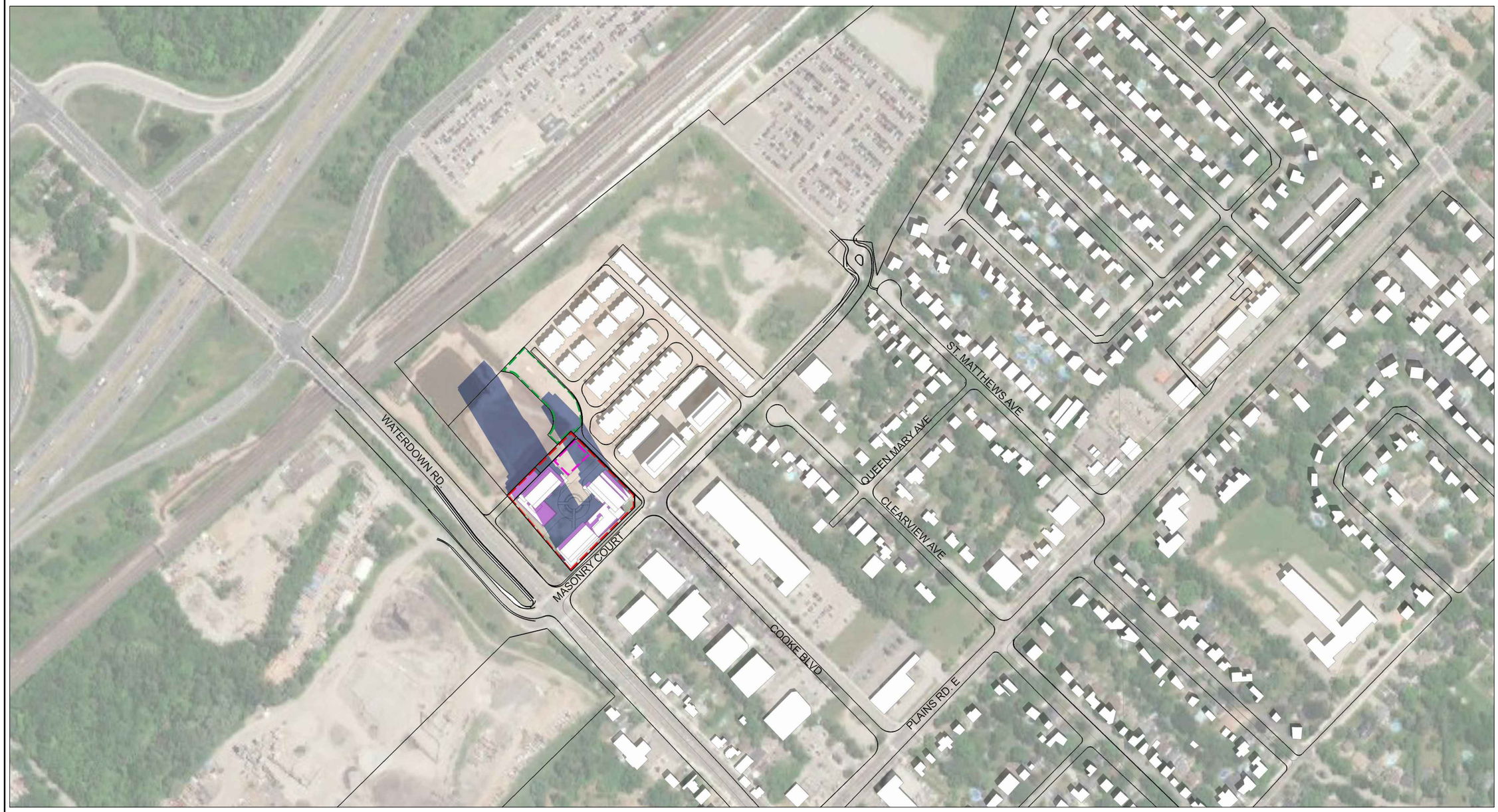
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A103 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 MARCH, 12:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A104 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 MARCH, 13:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A105 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 MARCH, 14:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A106 SHADOW STUDY

COREARCHITECTS

CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 MARCH, 15:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A107 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 MARCH, 16:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A108 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 MARCH, 17:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A109 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 MARCH, 18:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

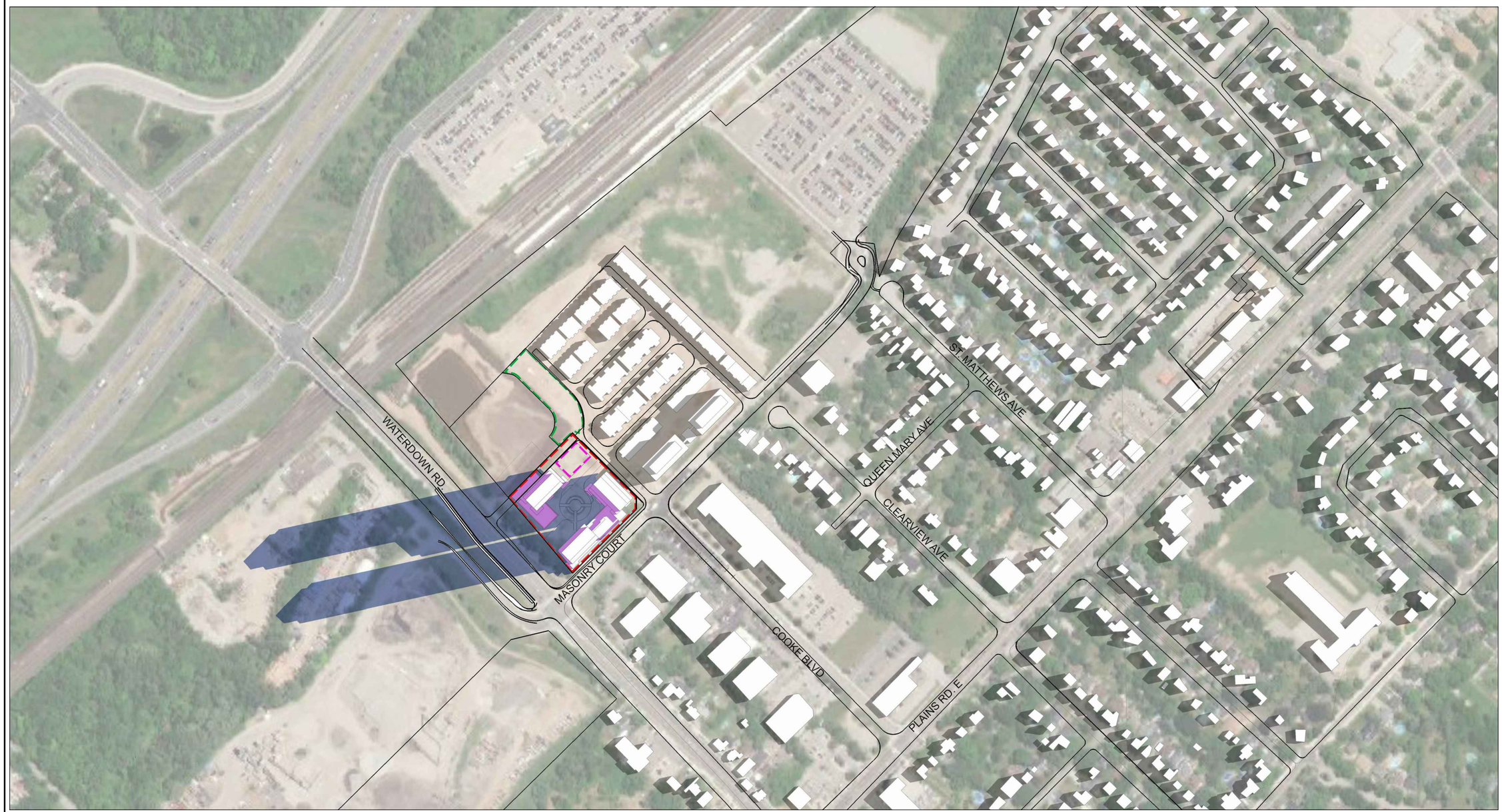
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A110 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 JUNE, 08:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

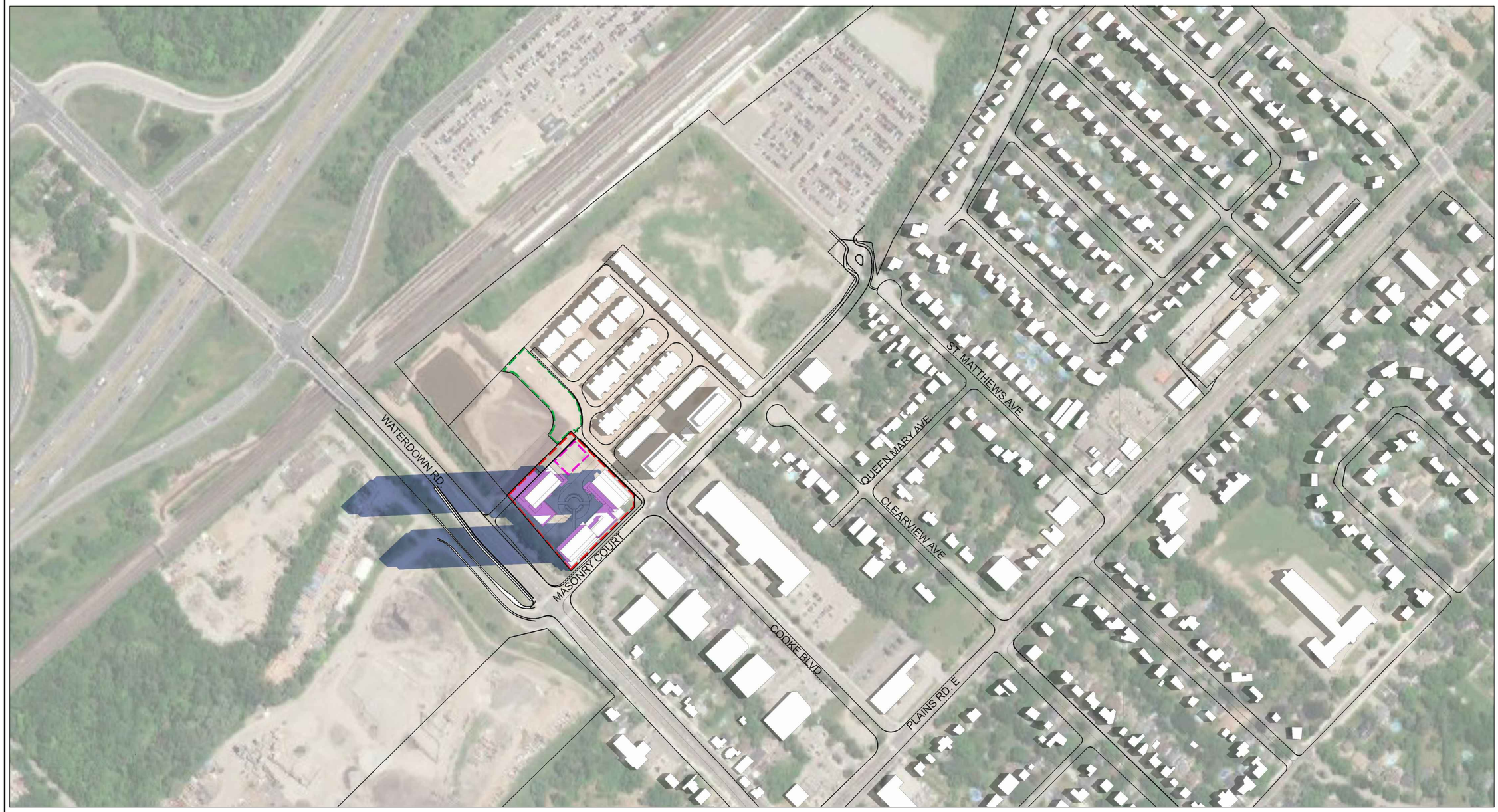
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A111 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 JUNE, 09:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

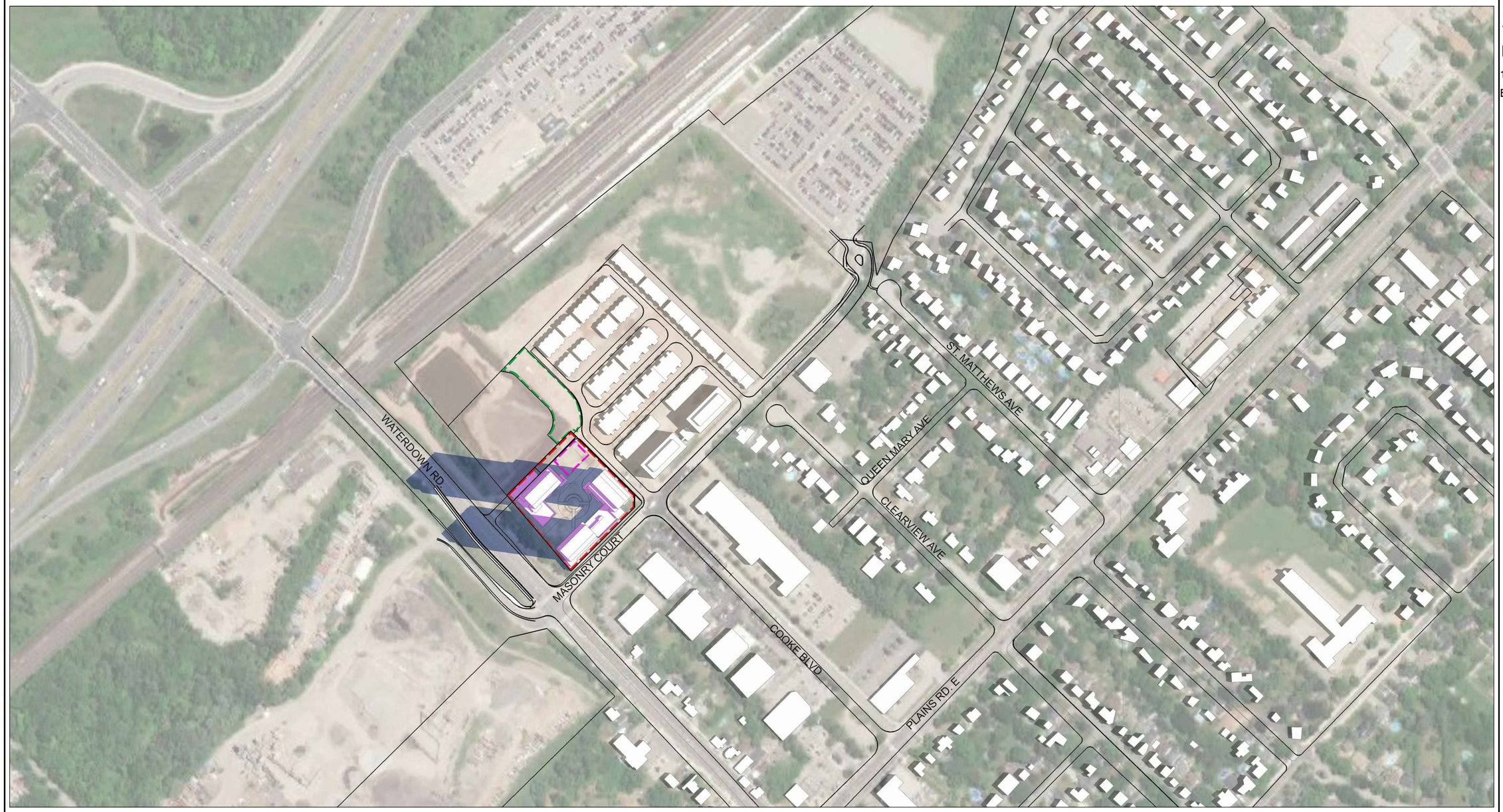
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A112 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 JUNE, 10:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A113 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 JUNE, 11:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A114 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 JUNE, 12:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A115 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 JUNE, 13:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A116 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 JUNE, 14:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A117 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 JUNE, 15:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A118 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 JUNE, 16:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A119 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 JUNE, 17:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A120 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 JUNE, 18:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A121 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 JUNE, 19:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

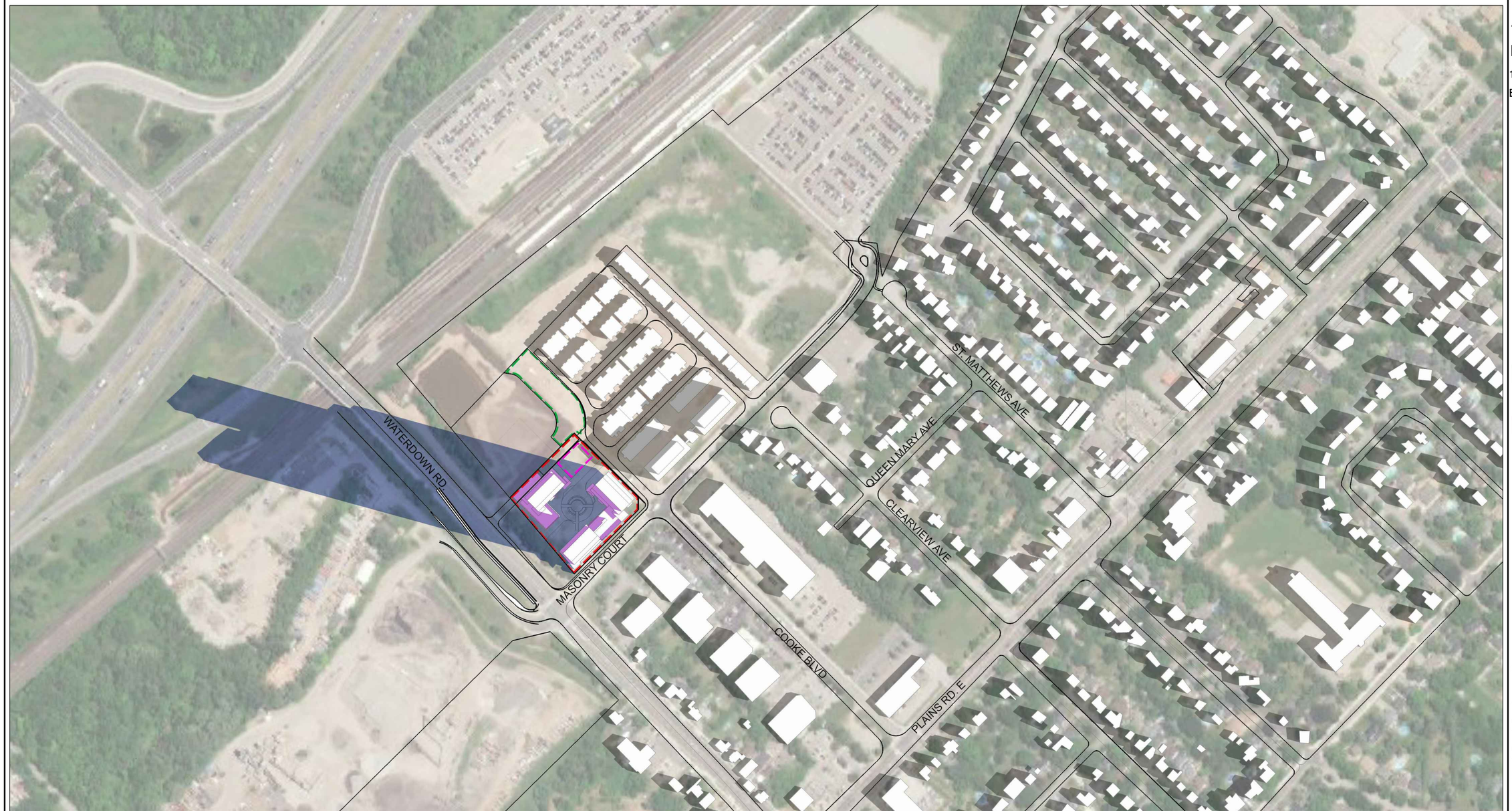
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A122 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 SEPTEMBER, 09:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A123 SHADOW STUDY

CORE ARCHITECTS

CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 SEPTEMBER, 10:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A124 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 SEPTEMBER, 11:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

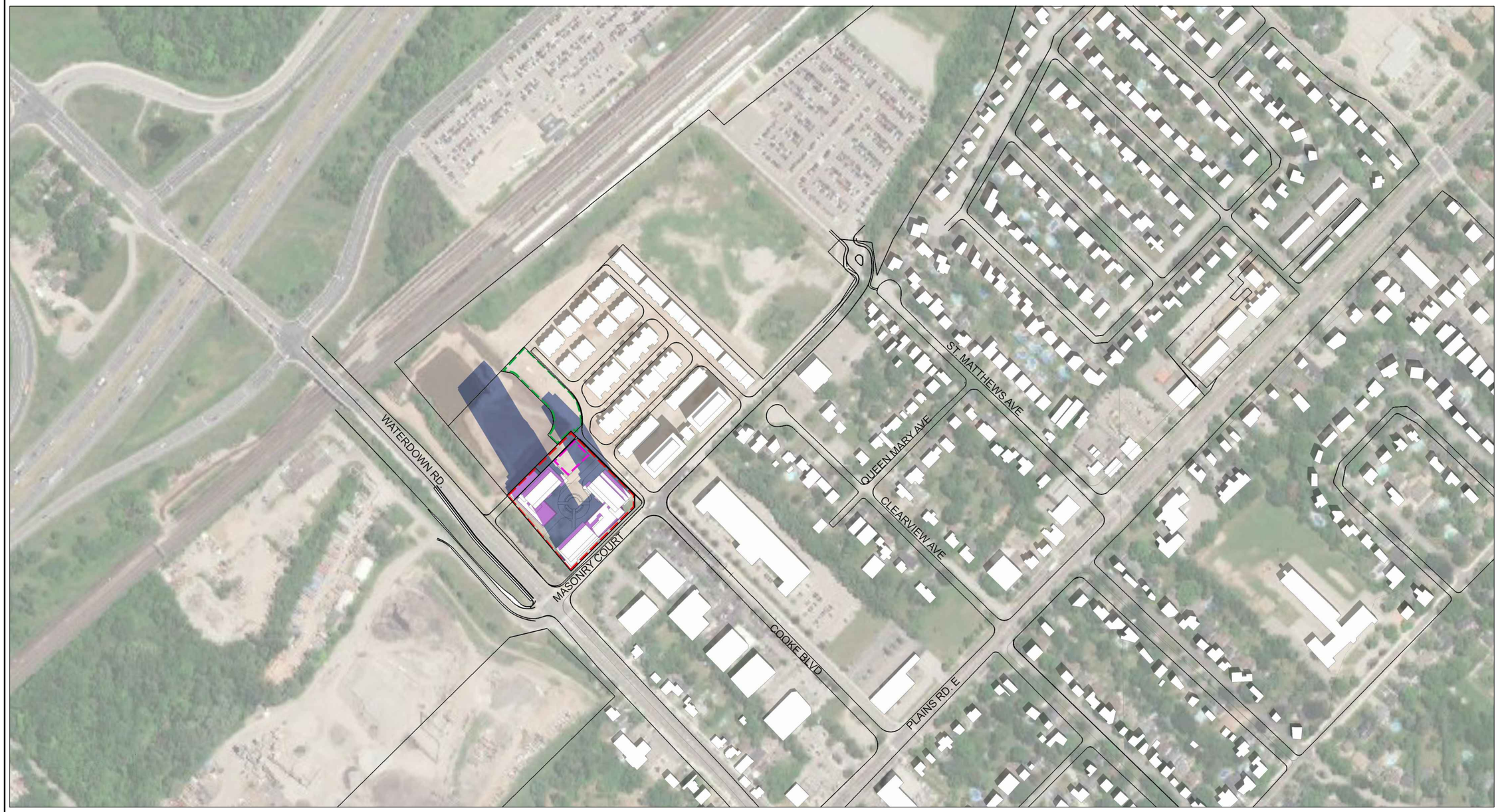
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A125 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 SEPTEMBER, 12:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

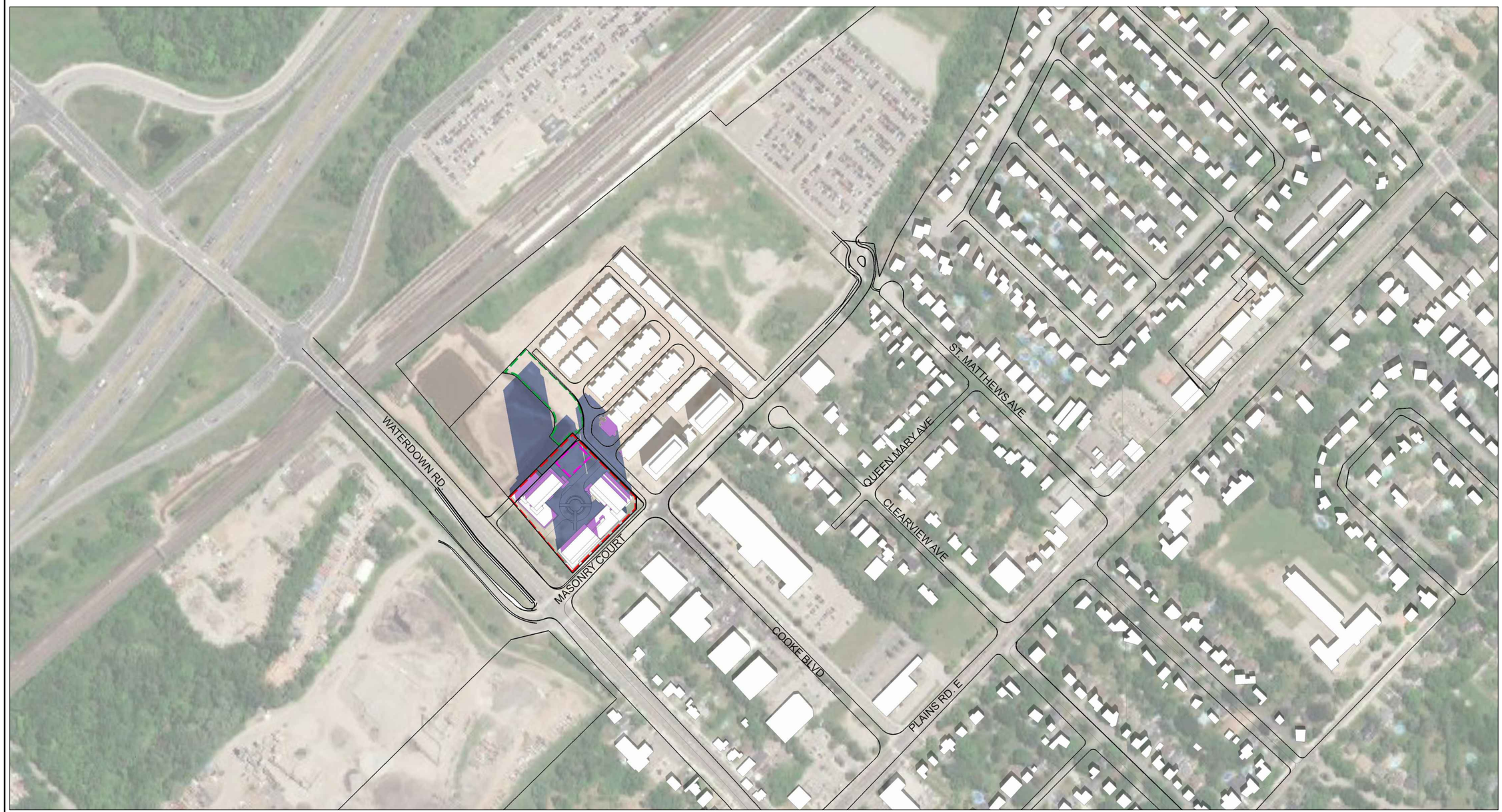
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A126 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 SEPTEMBER, 13:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A127 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 SEPTEMBER, 14:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A128 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 SEPTEMBER, 15:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A129 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 SEPTEMBER, 16:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A130 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 SEPTEMBER, 17:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A131 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 SEPTEMBER, 18:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

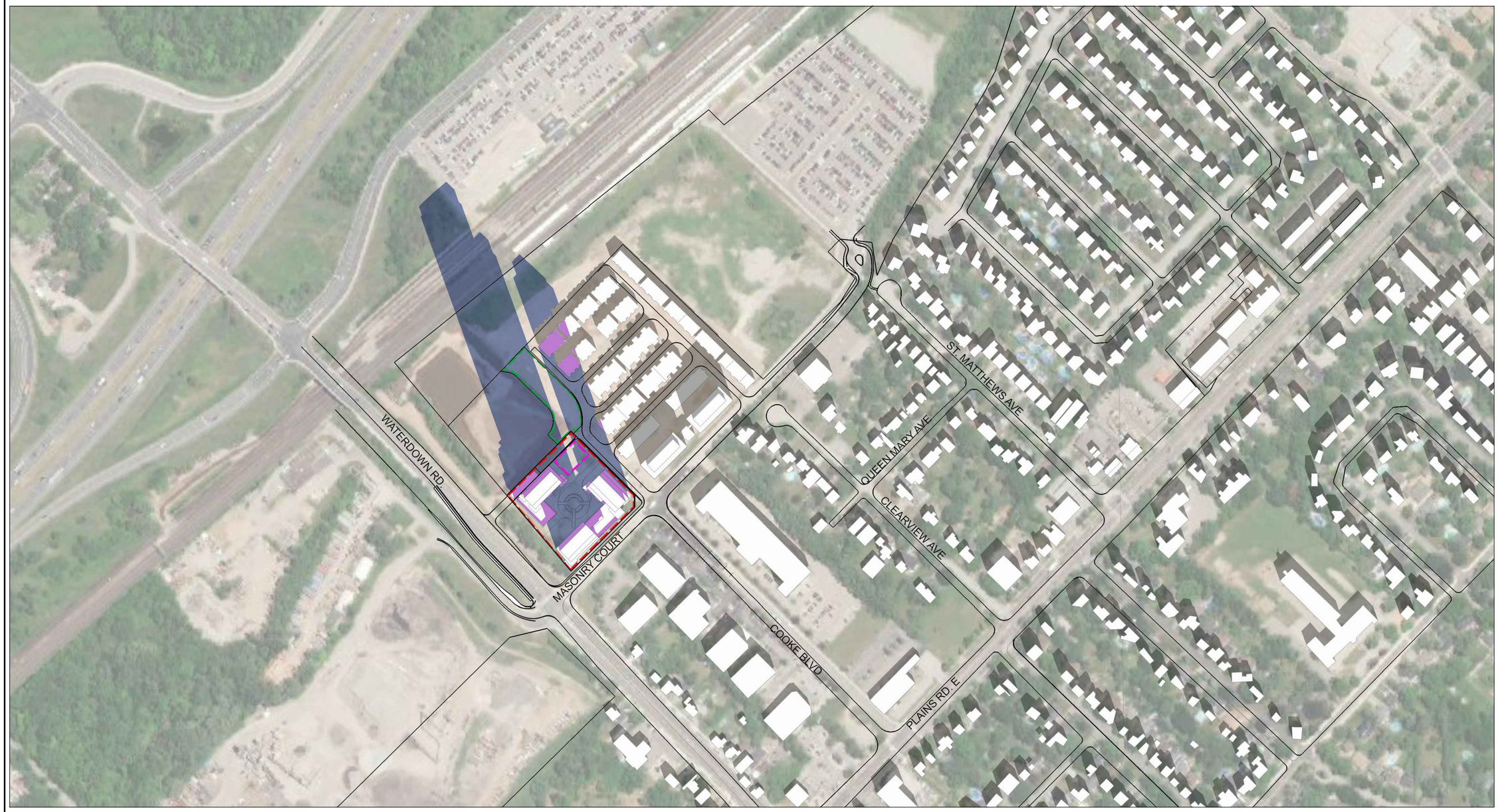
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A132 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 DECEMBER, 11:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

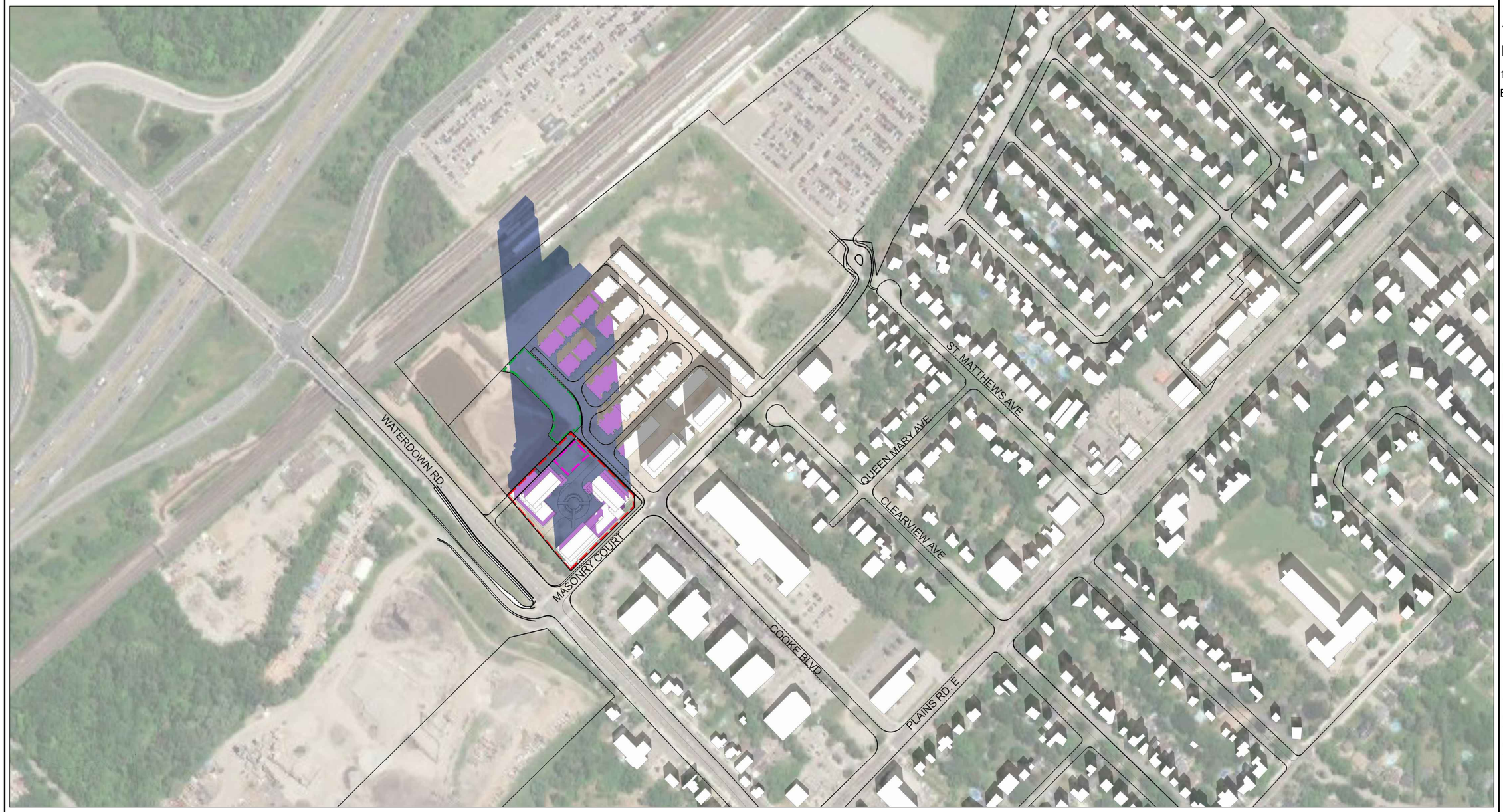
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A133 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 DECEMBER, 12:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A134 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 DECEMBER, 13:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A135 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 DECEMBER, 14:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A136 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM



21 DECEMBER, 15:00

0 4000 8000

SCALE= 1:4000

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A137 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM

SUN ACCESS FACTOR CALCULATIONS MARCH 21

NEIGHBORHOOD PARK AREA

1. TOTAL AREA OF NEIGHBORHOOD PARK (A_T) = 2835

2. AREAS EXPOSED TO SUNSHINE AT EACH HOURLY TEST TIMES ($AS_{(TEST)}$).

09:00 ($AS_{(TEST)}$) = 2835 m^2
10:00 ($AS_{(TEST)}$) = 2835 m^2
11:00 ($AS_{(TEST)}$) = 2708 m^2
12:00 ($AS_{(TEST)}$) = 1895 m^2
13:00 ($AS_{(TEST)}$) = 1568 m^2
14:00 ($AS_{(TEST)}$) = 1369 m^2
15:00 ($AS_{(TEST)}$) = 2458 m^2
16:00 ($AS_{(TEST)}$) = 2835 m^2
17:00 ($AS_{(TEST)}$) = 2835 m^2
18:00 ($AS_{(TEST)}$) = 2835 m^2

3. THE AVERAGE FOR THE NINE ONE-HOUR INTERVALS ($AS_{(INTERVAL)}$).

09:00-10:00 ($AS_{(AS\ INTERVAL\text{-}9:00\text{-}10:00)}$) = (2835 m^2+2835 m^2) ÷2 = 2835 m^2
10:00-11:00 ($AS_{(AS\ INTERVAL\text{-}10:00\text{-}11:00)}$) = (2835 m^2+2708 m^2)÷2 = 2771.5 m^2
11:00-12:00 ($AS_{(AS\ INTERVAL\text{-}11:00\text{-}12:00)}$) = (2708 m^2+1895 m^2) ÷2 = 2301.5 m^2
12:00 -13:00 ($AS_{(AS\ INTERVAL\text{-}12:00\text{-}13:00)}$) = (1895 m^2+1568 m^2) ÷2 = 1731.5 m^2
13:00 -14:00 ($AS_{(AS\ INTERVAL\text{-}13:00\text{-}14:00)}$) = (1568 m^2+1369 m^2) ÷2 = 1468.5 m^2
14:00 -15:00 ($AS_{(AS\ INTERVAL\text{-}14:00\text{-}15:00)}$) = (1369 m^2+2458 m^2) ÷2 = 1913.5 m^2
15:00 -16:00 ($AS_{(AS\ INTERVAL\text{-}15:00\text{-}16:00)}$) = (2458 m^2+2835 m^2) ÷2 = 2646.5 m^2
16:00 -17:00 ($AS_{(AS\ INTERVAL\text{-}16:00\text{-}17:00)}$) = (2835 m^2+2835 m^2) ÷2 = 2835 m^2
17:00 -18:00 ($AS_{(AS\ INTERVAL\text{-}17:00\text{-}18:00)}$) = (2835 m^2+2835 m^2) ÷2 = 2835 m^2

4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$)
= [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 21,338 ÷ 9 = 2370.8

5. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 2370.8 m^2 ÷ 2835 m^2 = 0.83 m^2



09:00 AM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW: 0 m^2



02:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 1369 m^2
AREA IN SHADOW: 1466 m^2



10:00 AM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW: 0 m^2



03:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2458 m^2
AREA IN SHADOW: 377 m^2



11:00 AM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2708 m^2
AREA IN SHADOW: 127 m^2



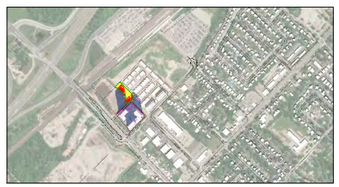
04:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW: 0 m^2



12:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 1895 m^2
AREA IN SHADOW: 940 m^2



05:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW:0 m^2



01:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 1568 m^2
AREA IN SHADOW: 1267 m^2



06:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW: 0 m^2

101 MASONRY COURT
PHASE 2
1120 COOKE BLVD
BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A138 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM

SUN ACCESS FACTOR CALCULATIONS SEPTEMBER 21

NEIGHBORHOOD PARK AREA

1. TOTAL AREA OF NEIGHBORHOOD PARK (A_T) = 2835

2. AREAS EXPOSED TO SUNSHINE AT EACH HOURLY TEST TIMES ($AS_{(TEST)}$).

09:00 ($AS_{(TEST)}$) = 2835 m^2
10:00 ($AS_{(TEST)}$) = 2835 m^2
11:00 ($AS_{(TEST)}$) = 2632 m^2
12:00 ($AS_{(TEST)}$) = 1919 m^2
13:00 ($AS_{(TEST)}$) = 1338 m^2
14:00 ($AS_{(TEST)}$) = 1476 m^2
15:00 ($AS_{(TEST)}$) = 2704 m^2
16:00 ($AS_{(TEST)}$) = 2835 m^2
17:00 ($AS_{(TEST)}$) = 2835 m^2
18:00 ($AS_{(TEST)}$) = 2835 m^2

3. THE AVERAGE FOR THE NINE ONE-HOUR INTERVALS ($AS_{(INTERVAL)}$).

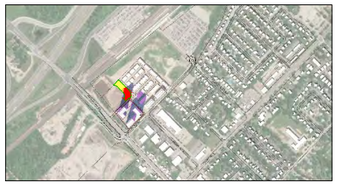
09:00-10:00 $_{(AS\ INTERVAL\text{-}9:00\text{-}10:00)}$) = (2835 m^2+2835 m^2) ÷2 = 2835m^2
10:00-11:00 $_{(AS\ INTERVAL\text{-}10:00\text{-}11:00)}$) = (2835 m^2+2632 m^2) ÷2 = 2733.5 m^2
11:00-12:00 $_{(AS\ INTERVAL\text{-}11:00\text{-}12:00)}$) = (2632 m^2+1919 m^2) ÷2 = 2,275.5 m^2
12:00 -13:00$_{(AS\ INTERVAL\text{-}12:00\text{-}13:00)}$) = (1919 m^2+1338 m^2) ÷2 = 1,628.5 m^2
13:00 -14:00$_{(AS\ INTERVAL\text{-}13:00\text{-}14:00)}$) = (1338 m^2+1476 m^2) ÷2 = 1,407 m^2
14:00 -15:00$_{(AS\ INTERVAL\text{-}14:00\text{-}15:00)}$) = (1476 m^2+2704 m^2) ÷2 = 2090 m^2
15:00 -16:00$_{(AS\ INTERVAL\text{-}15:00\text{-}16:00)}$) = (2704 m^2+2835 m^2) ÷2 = 2769.5 m^2
16:00 -17:00$_{(AS\ INTERVAL\text{-}16:00\text{-}17:00)}$) = (2835 m^2+2835 m^2) ÷2 = 2835 m^2
17:00 -18:00$_{(AS\ INTERVAL\text{-}17:00\text{-}18:00)}$) = (2835 m^2+2835 m^2) ÷2 = 2835 m^2

4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$)
= [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 21,409 ÷ 9 = 2378.7

5. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 2378.7 m^2 ÷ 2835 m^2 = 0.83 m^2



09:00 AM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW: 0 m^2



02:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 1476 m^2
AREA IN SHADOW: 1359 m^2



10:00 AM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW: 0 m^2



03:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2704 m^2
AREA IN SHADOW: 131 m^2



11:00 AM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2632 m^2
AREA IN SHADOW: 203 m^2



04:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW: 0 m^2



12:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 1919 m^2
AREA IN SHADOW: 916 m^2



05:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW:0 m^2



01:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 1338 m^2
AREA IN SHADOW: 1497 m^2



06:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW: 0 m^2

101 MASONRY COURT
PHASE 2
1120 COOKE BLVD
BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A139
SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM

SUN ACCESS FACTOR CALCULATIONS DECEMBER 21

NEIGHBORHOOD PARK AREA

1. TOTAL AREA OF NEIGHBORHOOD PARK (A_T) = 2835

2. AREAS EXPOSED TO SUNSHINE AT EACH HOURLY TEST TIMES ($AS_{(TEST)}$).

11:00 ($AS_{(TEST)}$) = 737 m^2
12:00 ($AS_{(TEST)}$) = 52 m^2
13:00 ($AS_{(TEST)}$) = 1197 m^2
14:00 ($AS_{(TEST)}$) = 1872 m^2
15:00 ($AS_{(TEST)}$) = 2675 m^2

3. THE AVERAGE FOR THE NINE ONE-HOUR INTERVALS ($AS_{(INTERVAL)}$).

11:00-12:00 ($AS\ INTERVAL\text{-}11:00\text{-}12:00$) = (737 m^2+52 m^2) ÷2 = 394.5 m^2
12:00 -13:00($AS\ INTERVAL\text{-}12:00\text{-}13:00$) = (52 m^2+1197 m^2) ÷2 = 624.5 m^2
13:00 -14:00($AS\ INTERVAL\text{-}13:00\text{-}14:00$) = (1197 m^2+1872 m^2) ÷2 = 1,534.5 m^2
14:00 -15:00($AS\ INTERVAL\text{-}14:00\text{-}15:00$) = (1872 m^2+2675 m^2) ÷2 = 2273.5 m^2

4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$)
= [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 4827 ÷ 4 = 1206.75 m^2

5. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 1206.75 m^2 ÷ 2835 m^2 = 0.42 m^2



11:00 AM

TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2

AREA EXPOSED TO SUNSHINE: 737 m^2

AREA IN SHADOW: 2098 m^2

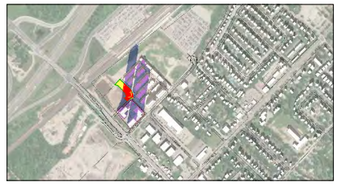


12:00 AM

TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2

AREA EXPOSED TO SUNSHINE: 52 m^2

AREA IN SHADOW: 2783 m^2



01:00 PM

TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2

AREA EXPOSED TO SUNSHINE: 1197 m^2

AREA IN SHADOW: 1638 m^2



02:00 PM

TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2

AREA EXPOSED TO SUNSHINE: 1872 m^2

AREA IN SHADOW: 961 m^2



03:00 PM

TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2

AREA EXPOSED TO SUNSHINE: 2675 m^2

AREA IN SHADOW: 160 m^2

101 MASONRY COURT
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

OPEN SPACE

OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A140
SHADOW STUDY

CORE ARCHITECTS

CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM

SUN ACCESS FACTOR CALCULATIONS MARCH 21

OUTDOOR AMENITY AREA

1. TOTAL AREA OF OUTDOOR AMENITY AREA (A_T) = 670

2. AREAS EXPOSED TO SUNSHINE AT EACH HOURLY TEST TIMES ($AS_{(TEST)}$).

09:00 ($AS_{(TEST)}$) = 322 m^2
10:00 ($AS_{(TEST)}$) = 260 m^2
11:00 ($AS_{(TEST)}$) = 177 m^2
12:00 ($AS_{(TEST)}$) = 350 m^2
13:00 ($AS_{(TEST)}$) = 20 m^2
14:00 ($AS_{(TEST)}$) = 244 m^2
15:00 ($AS_{(TEST)}$) = 151 m^2
16:00 ($AS_{(TEST)}$) = 68 m^2
17:00 ($AS_{(TEST)}$) = 210 m^2
18:00 ($AS_{(TEST)}$) = 370 m^2

3. THE AVERAGE FOR THE NINE ONE-HOUR INTERVALS ($AS_{(INTERVAL)}$).

09:00-10:00 ($AS\ INTERVAL\text{-}9{:}00\text{-}10{:}00$) = (322 m^2+260 m^2) ÷2 = 291 m^2
10:00-11:00 ($AS\ INTERVAL\text{-}10{:}00\text{-}11{:}00$) = (260 m^2+177 m^2) ÷2 = 218.5 m^2
11:00-12:00 ($AS\ INTERVAL\text{-}11{:}00\text{-}12{:}00$) = (177 m^2+350 m^2) ÷2 = 263.5 m^2
12:00 -13:00 ($AS\ INTERVAL\text{-}12{:}00\text{-}13{:}00$) = (350 m^2+20 m^2) ÷2 = 185 m^2
13:00 -14:00 ($AS\ INTERVAL\text{-}13{:}00\text{-}14{:}00$) = (20 m^2+244 m^2) ÷2 = 132 m^2
14:00 -15:00 ($AS\ INTERVAL\text{-}14{:}00\text{-}15{:}00$) = (244 m^2+151 m^2) ÷2 = 197.5 m^2
15:00 -16:00 ($AS\ INTERVAL\text{-}15{:}00\text{-}16{:}00$) = (151 m^2+68 m^2) ÷2 = 109.5m^2
16:00 -17:00 ($AS\ INTERVAL\text{-}16{:}00\text{-}17{:}00$) = (68 m^2+210 m^2) ÷2 = 139 m^2
17:00 -18:00 ($AS\ INTERVAL\text{-}17{:}00\text{-}18{:}00$) = (210 m^2+370 m^2) ÷2 = 290 m^2

4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$) = [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 1826 ÷ 9 = 202.89

5. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 202.89 m^2 ÷ 670 m^2 = 0.30 m^2



09:00 AM
TOTAL OUTDOOR AMENITY AREA: 670 m^2
AREA EXPOSED TO SUNSHINE: 322 m^2
AREA IN SHADOW: 347 m^2



02:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 244 m^2
AREA IN SHADOW: 426 m^2



10:00 AM
TOTAL OUTDOOR AMENITY AREA: 670 m^2
AREA EXPOSED TO SUNSHINE: 260 m^2
AREA IN SHADOW: 410 m^2



03:00 PM
TOTAL OUTDOOR AMENITY AREA: 670 m^2
AREA EXPOSED TO SUNSHINE: 151 m^2
AREA IN SHADOW: 519 m^2



11:00 AM
TOTAL OUTDOOR AMENITY AREA: 670 m^2
AREA EXPOSED TO SUNSHINE: 177 m^2
AREA IN SHADOW: 493 m^2



04:00 PM
TOTAL OUTDOOR AMENITY AREA: 670 m^2
AREA EXPOSED TO SUNSHINE: 68 m^2
AREA IN SHADOW: 602 m^2



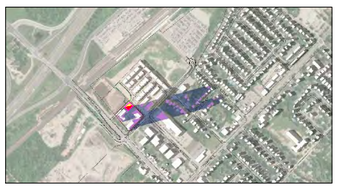
12:00 PM
TOTAL OUTDOOR AMENITY AREA: 670 m^2
AREA EXPOSED TO SUNSHINE: 350 m^2
AREA IN SHADOW: 320 m^2



05:00 PM
TOTAL OUTDOOR AMENITY AREA: 670 m^2
AREA EXPOSED TO SUNSHINE: 210 m^2
AREA IN SHADOW:460 m^2



01:00 PM
TOTAL OUTDOOR AMENITY AREA: 670 m^2
AREA EXPOSED TO SUNSHINE: 20 m^2
AREA IN SHADOW: 650 m^2



06:00 PM
TOTAL OUTDOOR AMENITY AREA: 670 m^2
AREA EXPOSED TO SUNSHINE: 370 m^2
AREA IN SHADOW: 300 m^2

101 MASONRY COURT
PHASE 2
1120 COOKE BLVD
BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A141
SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM

SUN ACCESS FACTOR CALCULATIONS MARCH 21

PUBLIC REALM AND SIDEWALKS

1. TOTAL AREA OF OPPOSITE BOULEVARD (A_T) = 5522 m^2

2. AREAS EXPOSED TO SUNSHINE AT EACH HOURLY TEST TIMES ($AS_{(TEST)}$).

09:00 ($AS_{(TEST)}$) = 4072 m^2
10:00 ($AS_{(TEST)}$) = 4511 m^2
11:00 ($AS_{(TEST)}$) = 5181 m^2
12:00 ($AS_{(TEST)}$) = 5244 m^2
13:00 ($AS_{(TEST)}$) = 4934 m^2
14:00 ($AS_{(TEST)}$) = 4841 m^2
15:00 ($AS_{(TEST)}$) = 4967 m^2
16:00 ($AS_{(TEST)}$) = 4713 m^2
17:00 ($AS_{(TEST)}$) = 4743 m^2
18:00 ($AS_{(TEST)}$) = 3961 m^2

3. THE AVERAGE FOR THE NINE ONE-HOUR INTERVALS ($AS_{(INTERVAL)}$).

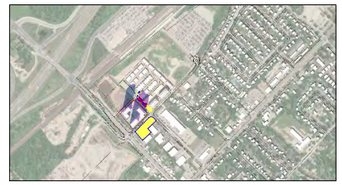
09:00-10:00 ($AS_{INTERVAL-9:00-10:00}$) = (4072 m^2+4511 m^2) ÷2 = 4291.5 m^2
10:00-11:00 ($AS_{INTERVAL-10:00-11:00}$) = (4511 m^2+5181 m^2)÷2 = 4846 m^2
11:00-12:00 ($AS_{INTERVAL-11:00-12:00}$) = (5181 m^2+5244 m^2) ÷2= 5212.5 m^2
12:00 -13:00 ($AS_{INTERVAL-12:00-13:00}$) = (5244 m^2+4934 m^2)÷2 = 5089 m^2
13:00 -14:00 ($AS_{INTERVAL-13:00-14:00}$) = (4934 m^2+4841 m^2) ÷2= 4887.5 m^2
14:00 -15:00 ($AS_{INTERVAL-14:00-15:00}$) = (4841 m^2+4967 m^2) ÷2= 4904 m^2
15:00 -16:00 ($AS_{INTERVAL-15:00-16:00}$) = (4967 m^2+4713 m^2) ÷2= 4840 m^2
16:00 -17:00 ($AS_{INTERVAL-16:00-17:00}$) = (4713 m^2+4743 m^2) ÷2= 4728 m^2
17:00 -18:00 ($AS_{INTERVAL-17:00-18:00}$) = (4743 m^2+3961 m^2) ÷2= 4352 m^2

4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$)
= [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 43150 ÷ 9 = 4794.5

5. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 4794.5 m^2 ÷ 5522 m^2 = 0.86 m^2



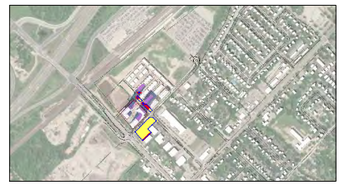
09:00 AM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4072 m^2
AREA IN SHADOW: 1450 m^2



02:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4841 m^2
AREA IN SHADOW: 681 m^2



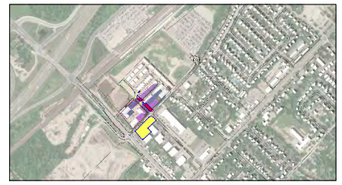
10:00 AM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4511 m^2
AREA IN SHADOW: 1011 m^2



03:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4967 m^2
AREA IN SHADOW: 780 m^2



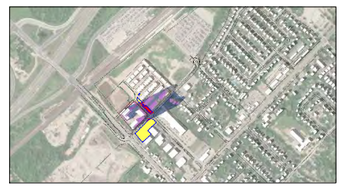
11:00 AM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 5181 m^2
AREA IN SHADOW: 341 m^2



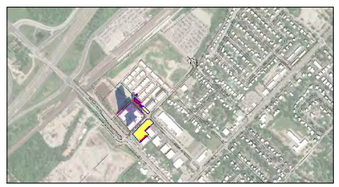
04:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4713 m^2
AREA IN SHADOW: 809 m^2



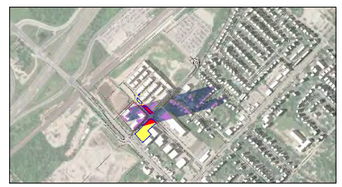
12:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 5244 m^2
AREA IN SHADOW: 278 m^2



05:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4743 m^2
AREA IN SHADOW: 779 m^2



01:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4934 m^2
AREA IN SHADOW: 588 m^2



06:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 3961 m^2
AREA IN SHADOW: 1561 m^2

101 MASONRY COURT
PHASE 2
1120 COOKE BLVD
BURLINGTON, ON

LEGEND

- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

29 JUNE 2021

A142
SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 343 0400 • F +1 416 343 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM