STATION WEST
PHASE 2
1120 COOKE BLVD
BURLINGTON, ON

STATION WEST - PHASE 2
SHADOW STUDY

ISSUED FOR OPA/ ZBA
10 FEBRUARY 2023

The proposed buildings at 1120 Cooke Blvd, Burlington and its resultant massing exceeds the requirements for Sun Access Factor per the City of Burlington's Shadow Impact Criteria, for the specified dates and times, for each of the relevant catagories. The categories that we feel relate to this site are as follows: Neighborhood Park area, Private Outdoor Amenity Space, Private Backyard Amenity Space and Public Realm/Sidewalks.

10 FEBRUARY 2023

A100
TITLE

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



21 MARCH, 09:00

0 4000 8000

SCALE= 1:4000

STATION WEST PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

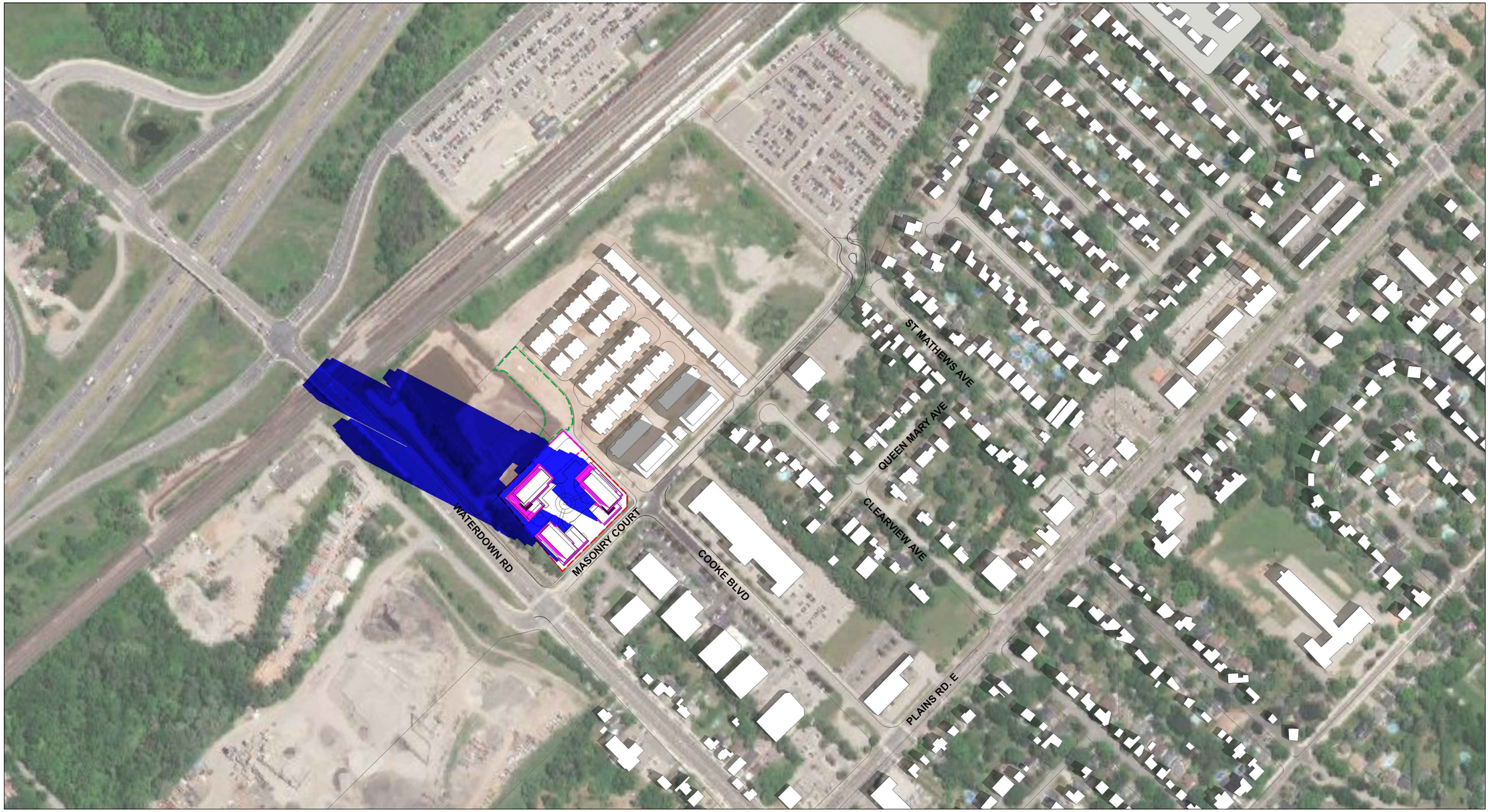
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST 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

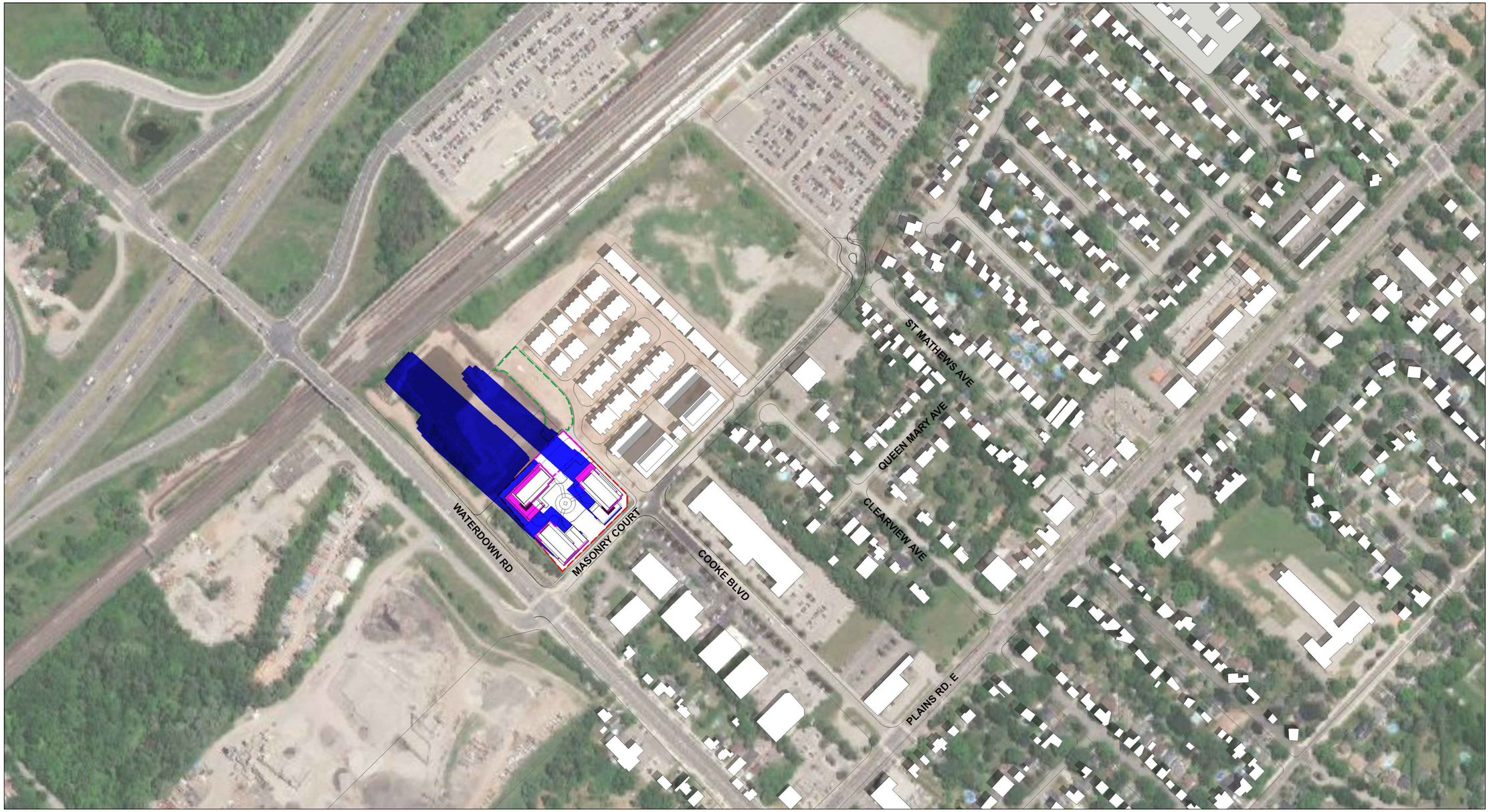
PROJECT NORTH

10 FEBRUARY 2023

A102 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 MARCH, 11:00

0 4000 8000

SCALE= 1:4000

STATION WEST
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

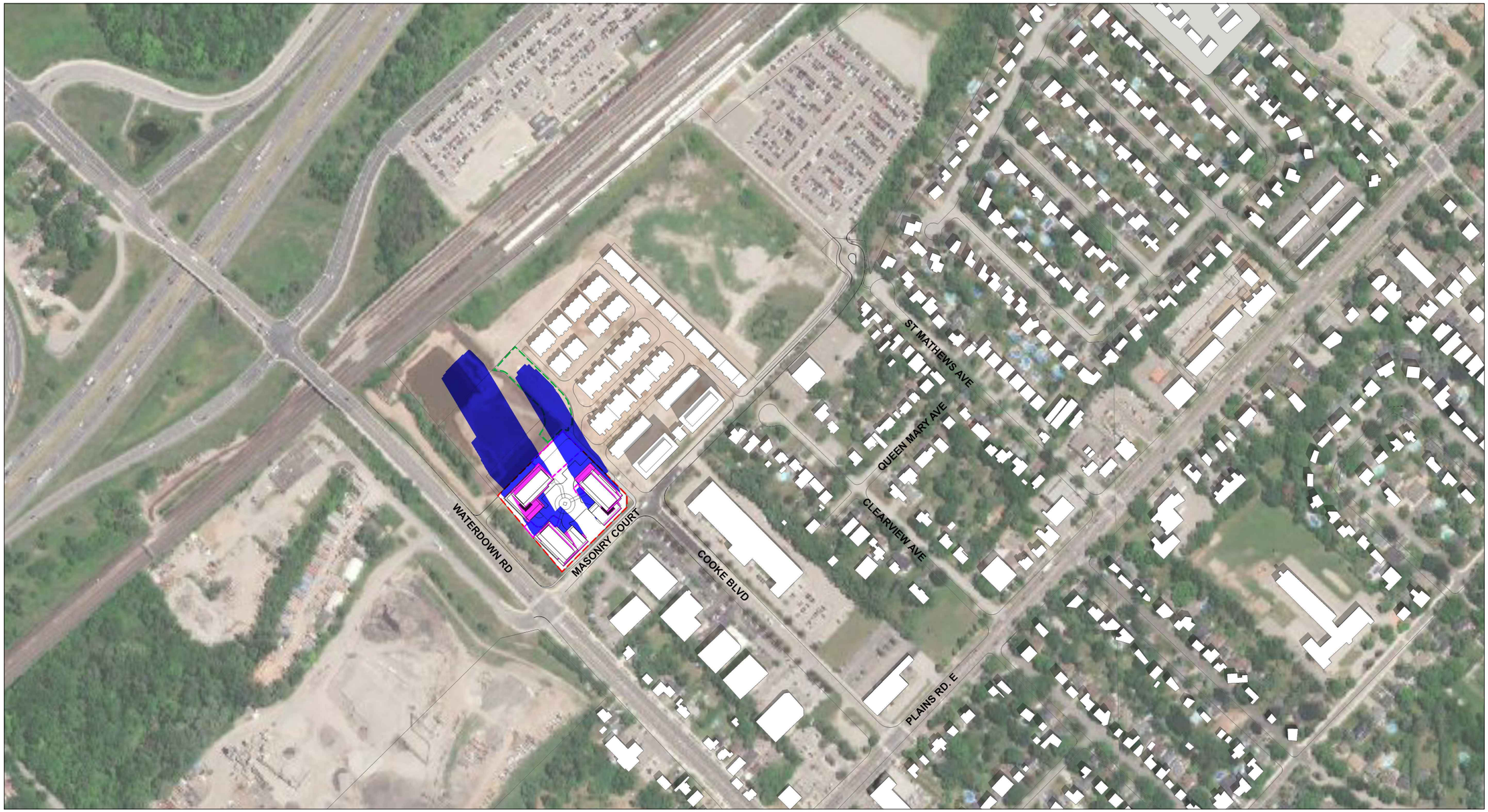
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

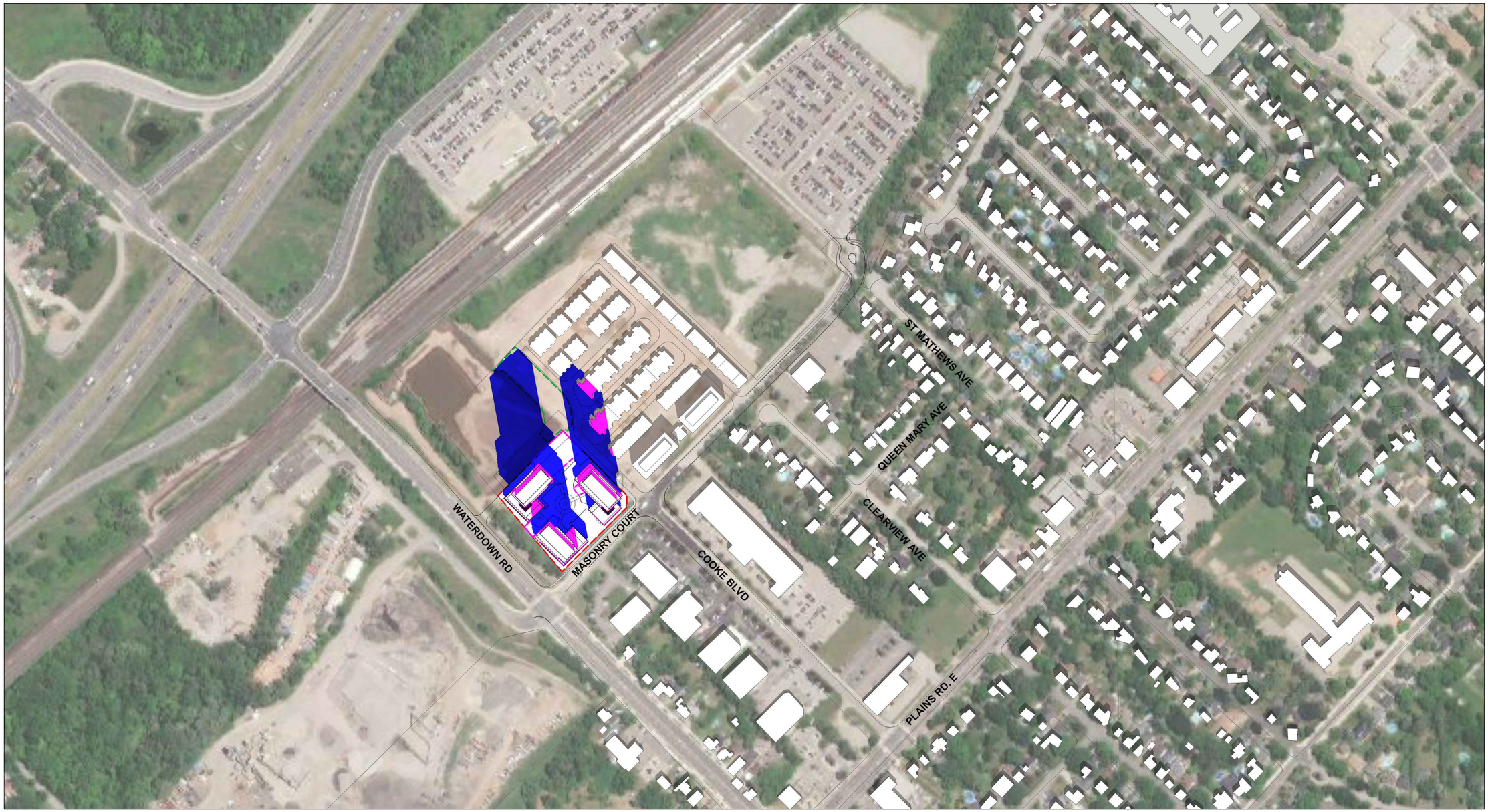
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

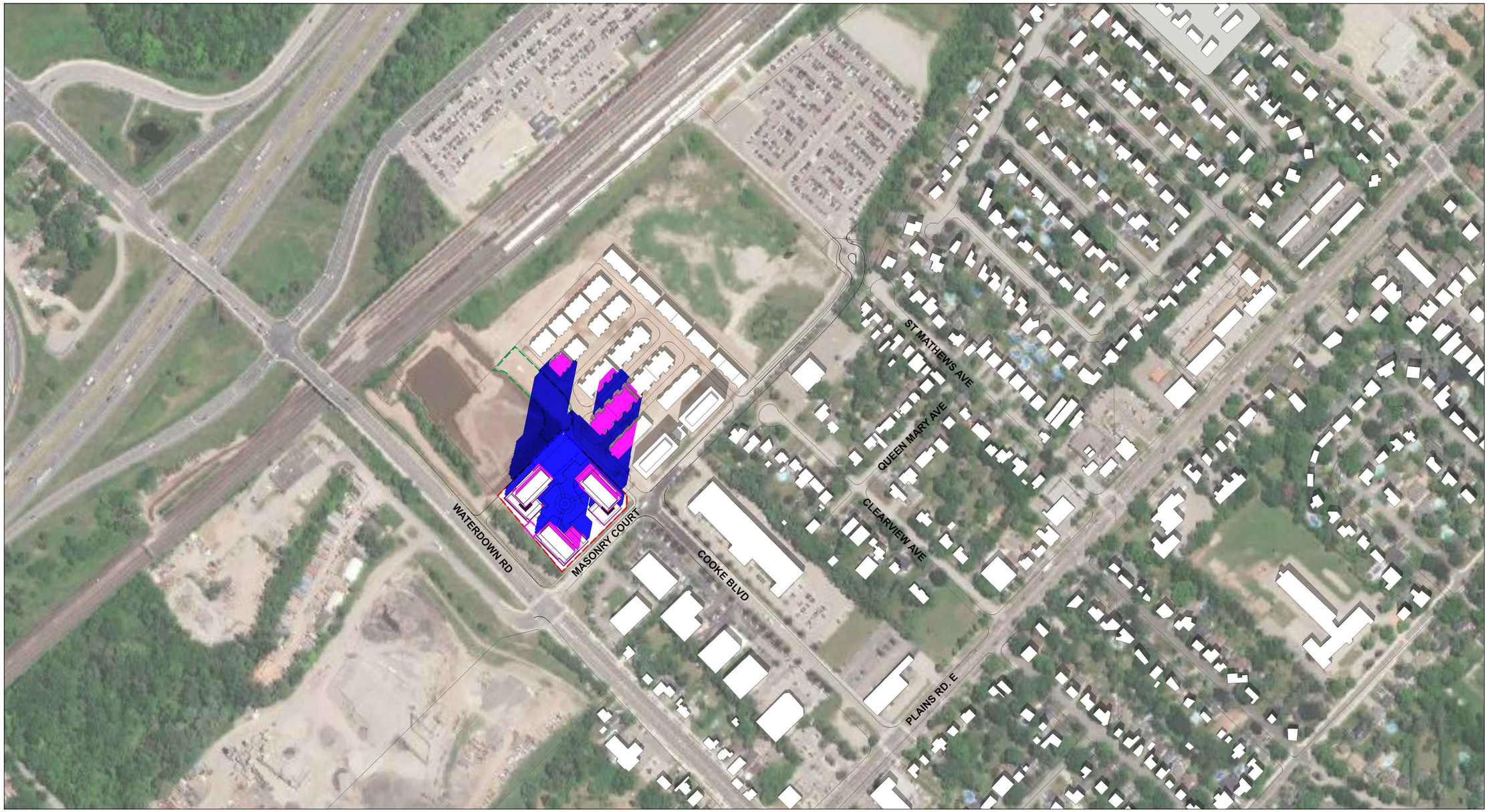
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST
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

10 FEBRUARY 2023

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

STATION WEST
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

10 FEBRUARY 2023

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

STATION WEST
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

10 FEBRUARY 2023

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

STATION WEST
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

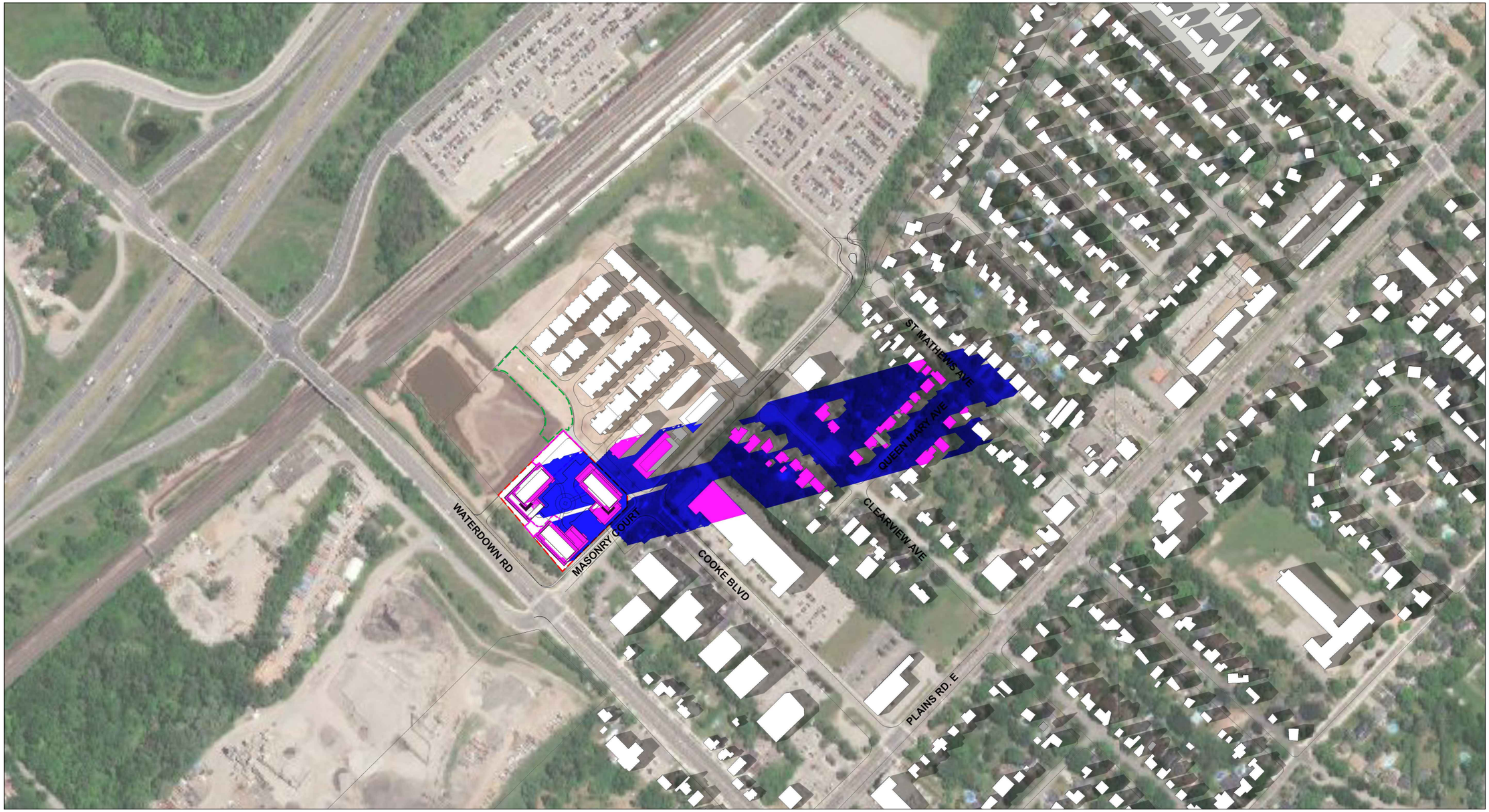
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST
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

10 FEBRUARY 2023

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

STATION WEST
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

10 FEBRUARY 2023

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

STATION WEST
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

10 FEBRUARY 2023

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

STATION WEST
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

10 FEBRUARY 2023

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

STATION WEST
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

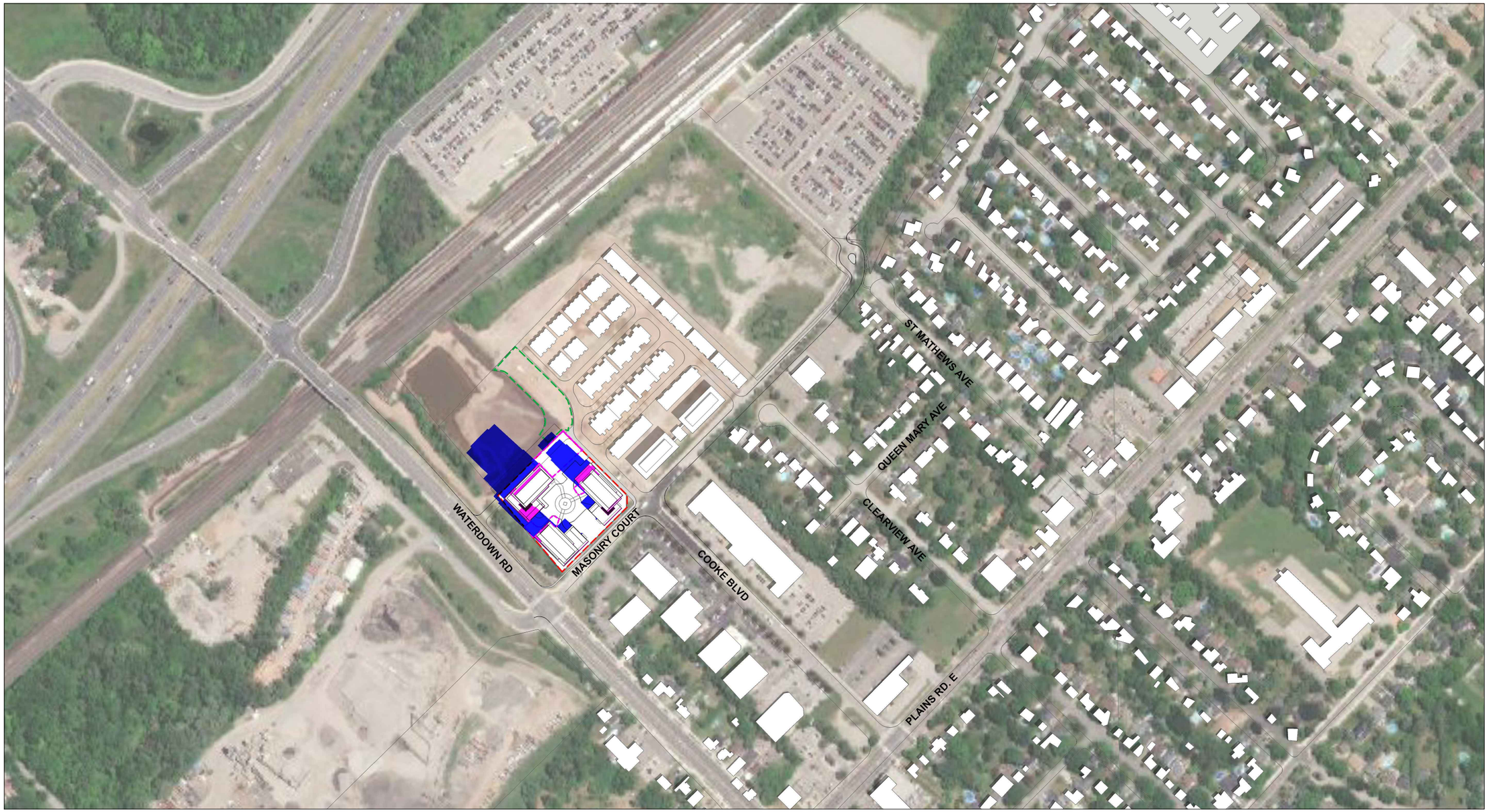
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

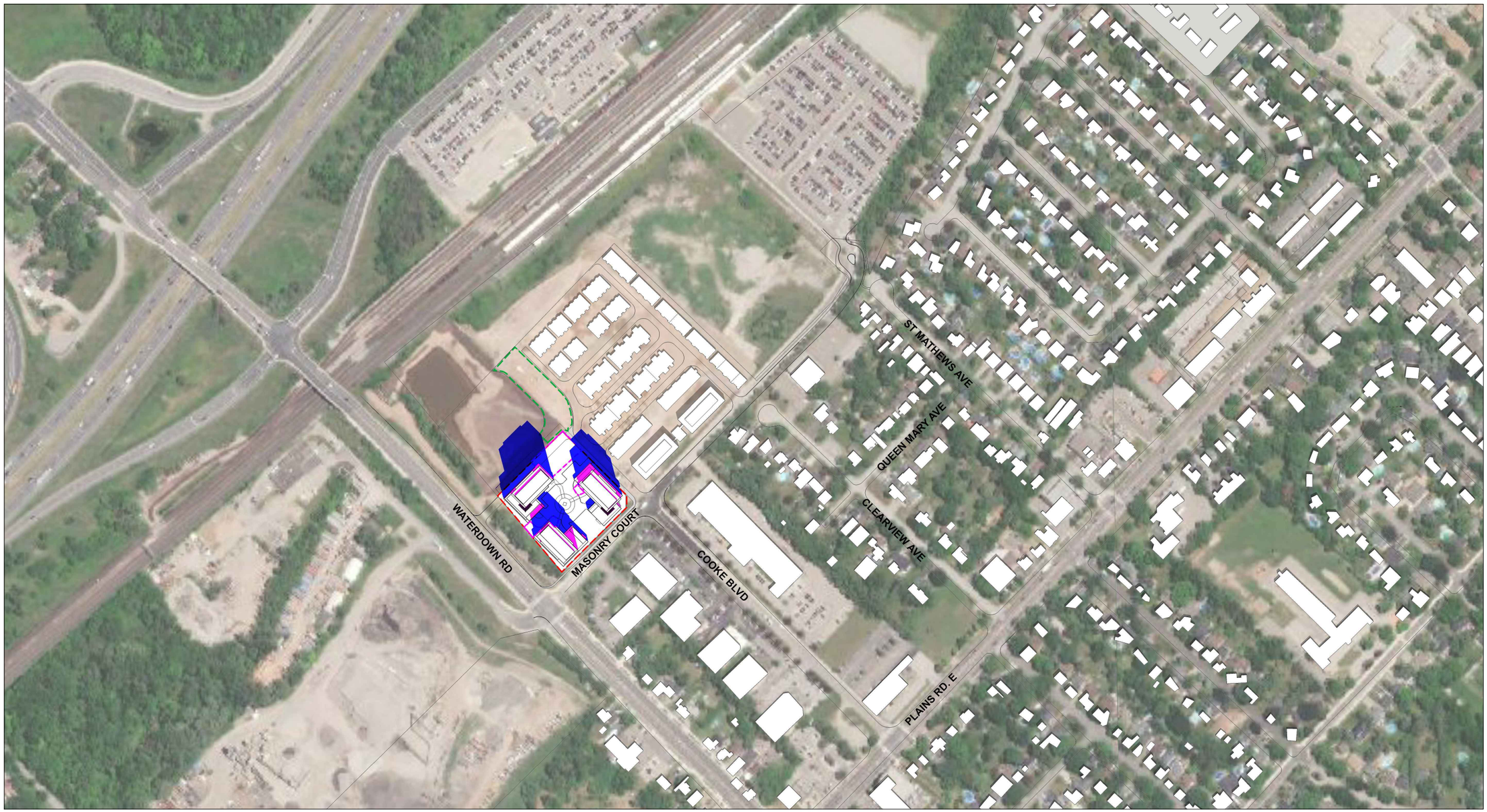
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST
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

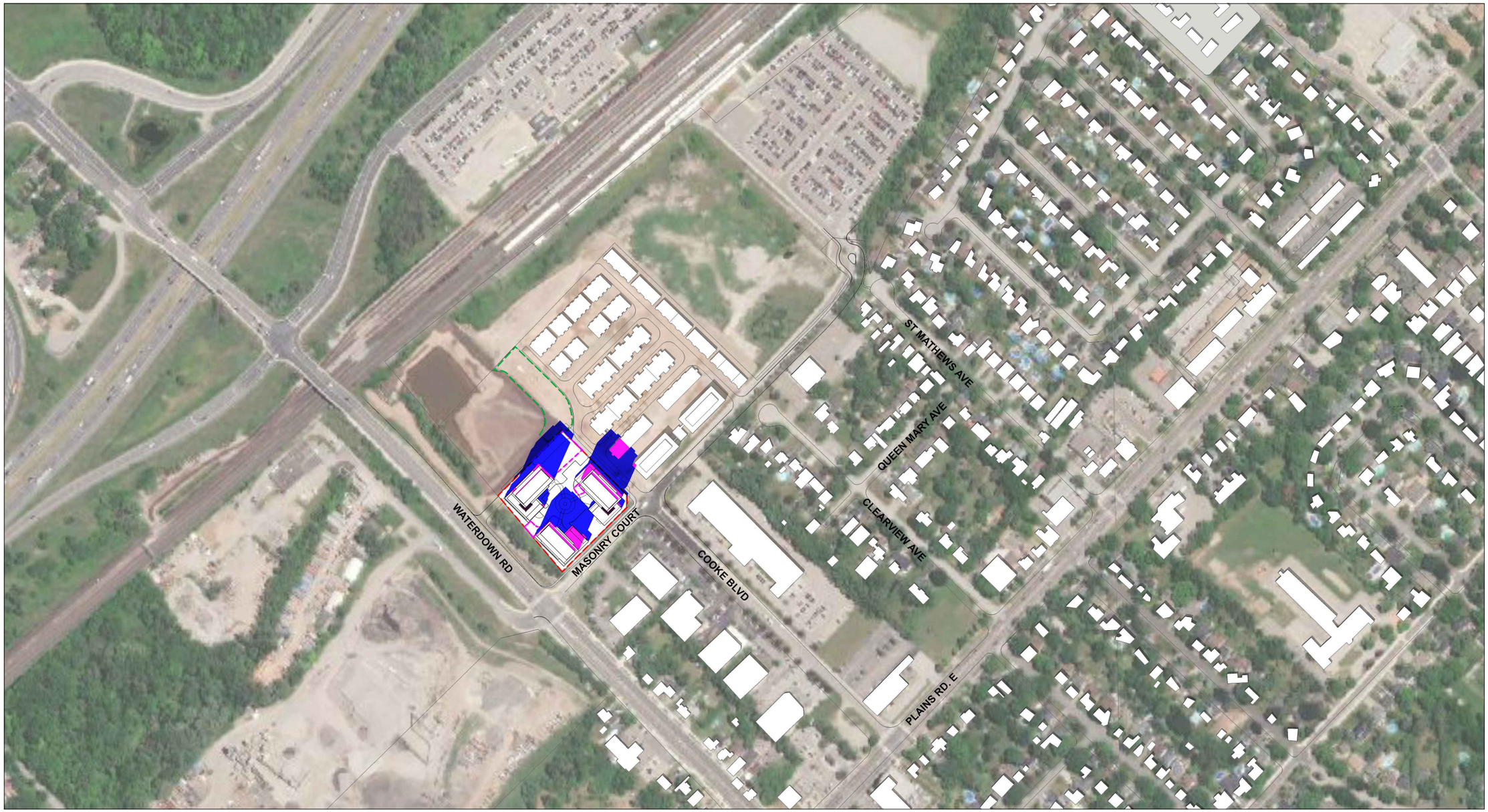
PROJECT NORTH

10 FEBRUARY 2023

A116 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 JUNE, 14:00

0 4000 8000

SCALE= 1:4000

STATION WEST
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

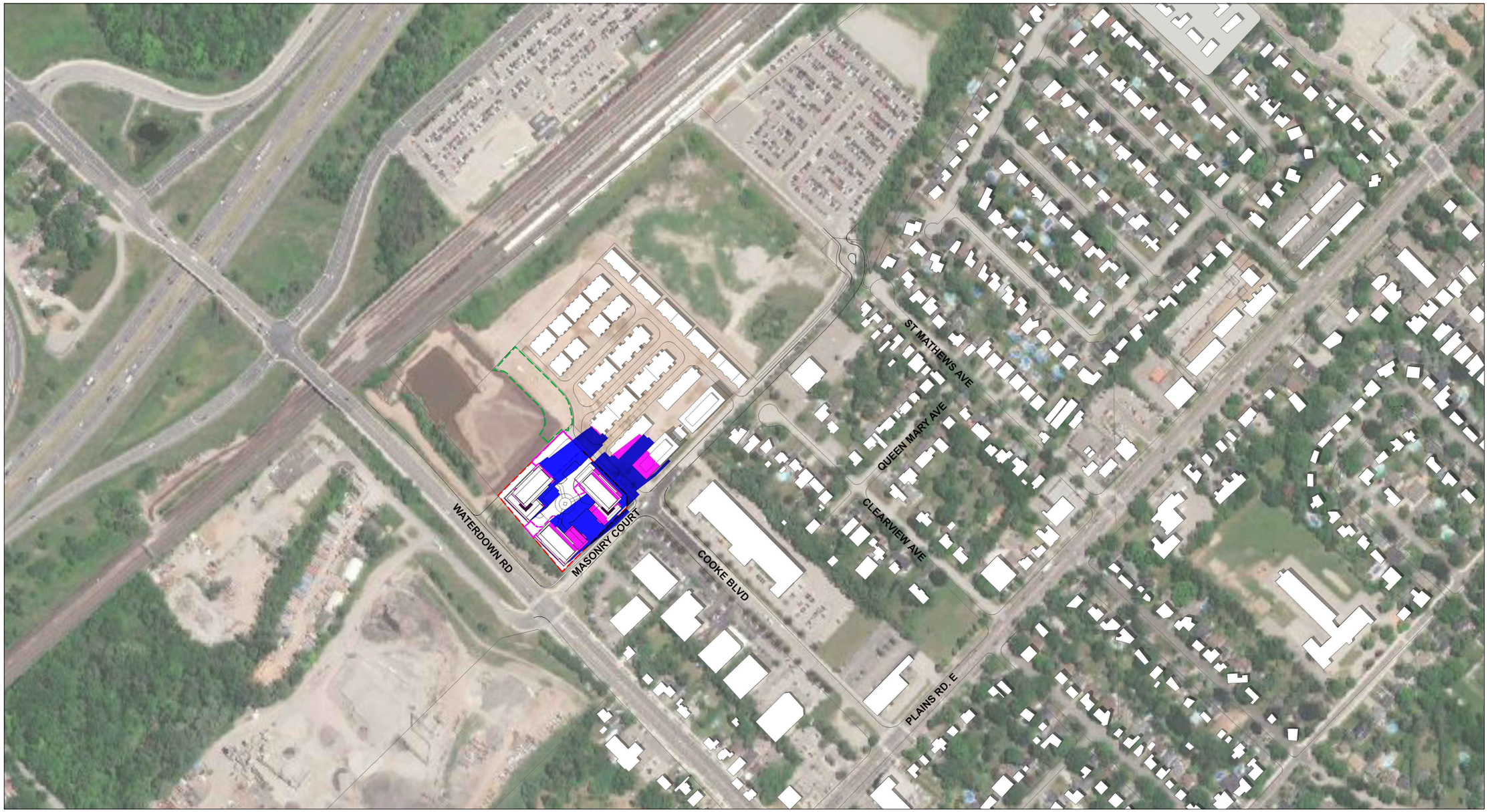
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST 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

10 FEBRUARY 2023

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

STATION WEST
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

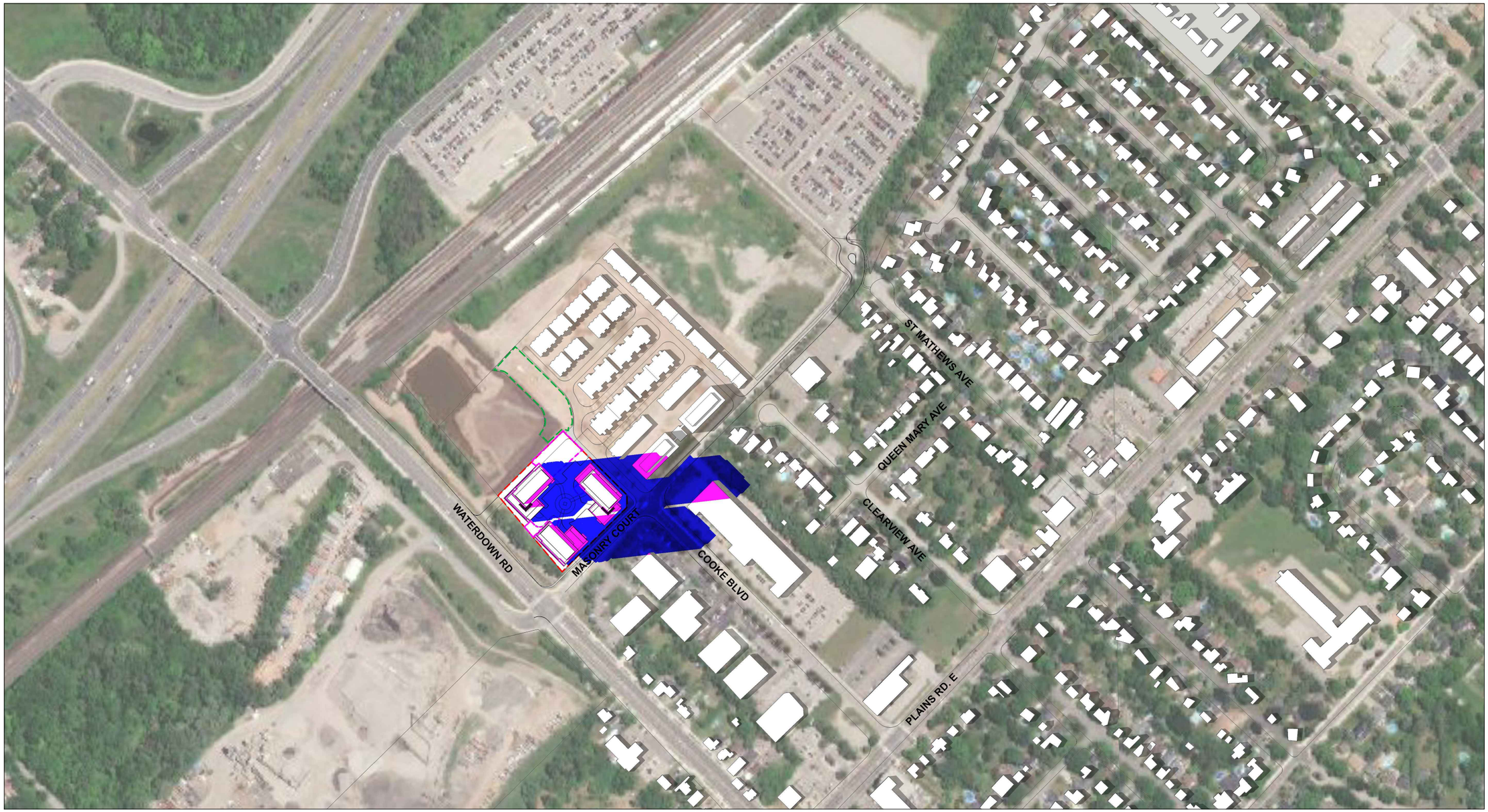
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

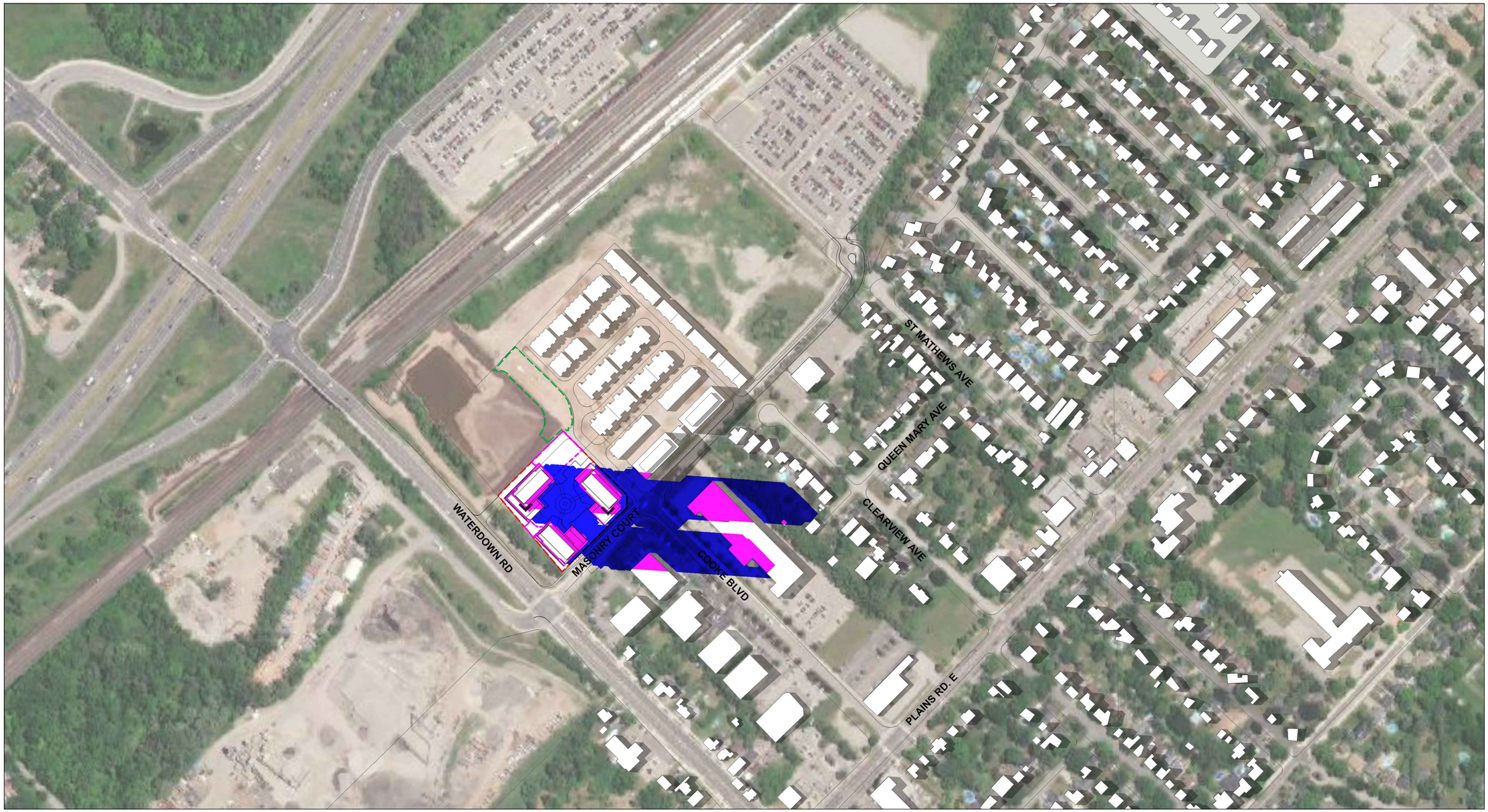
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

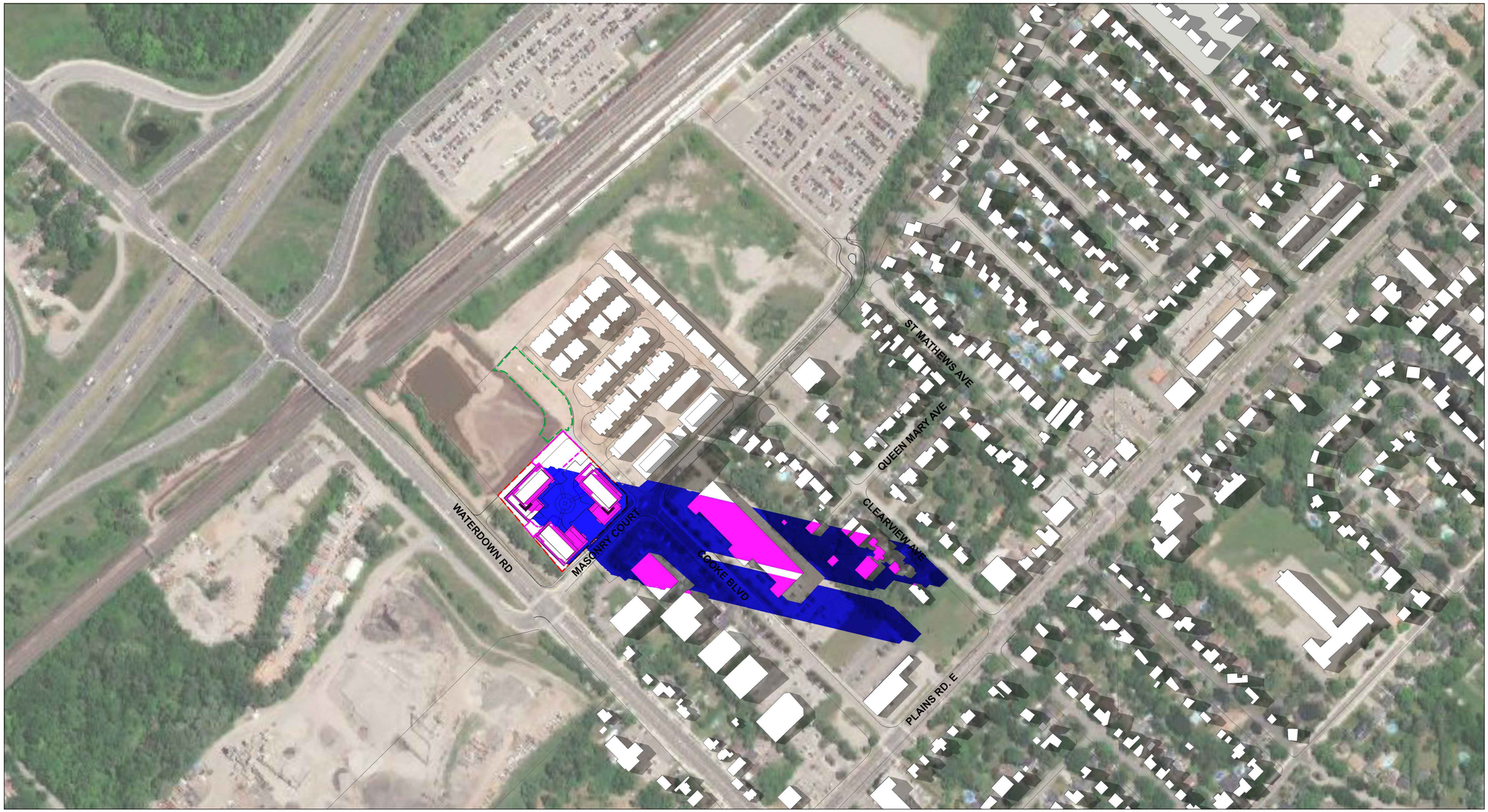
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

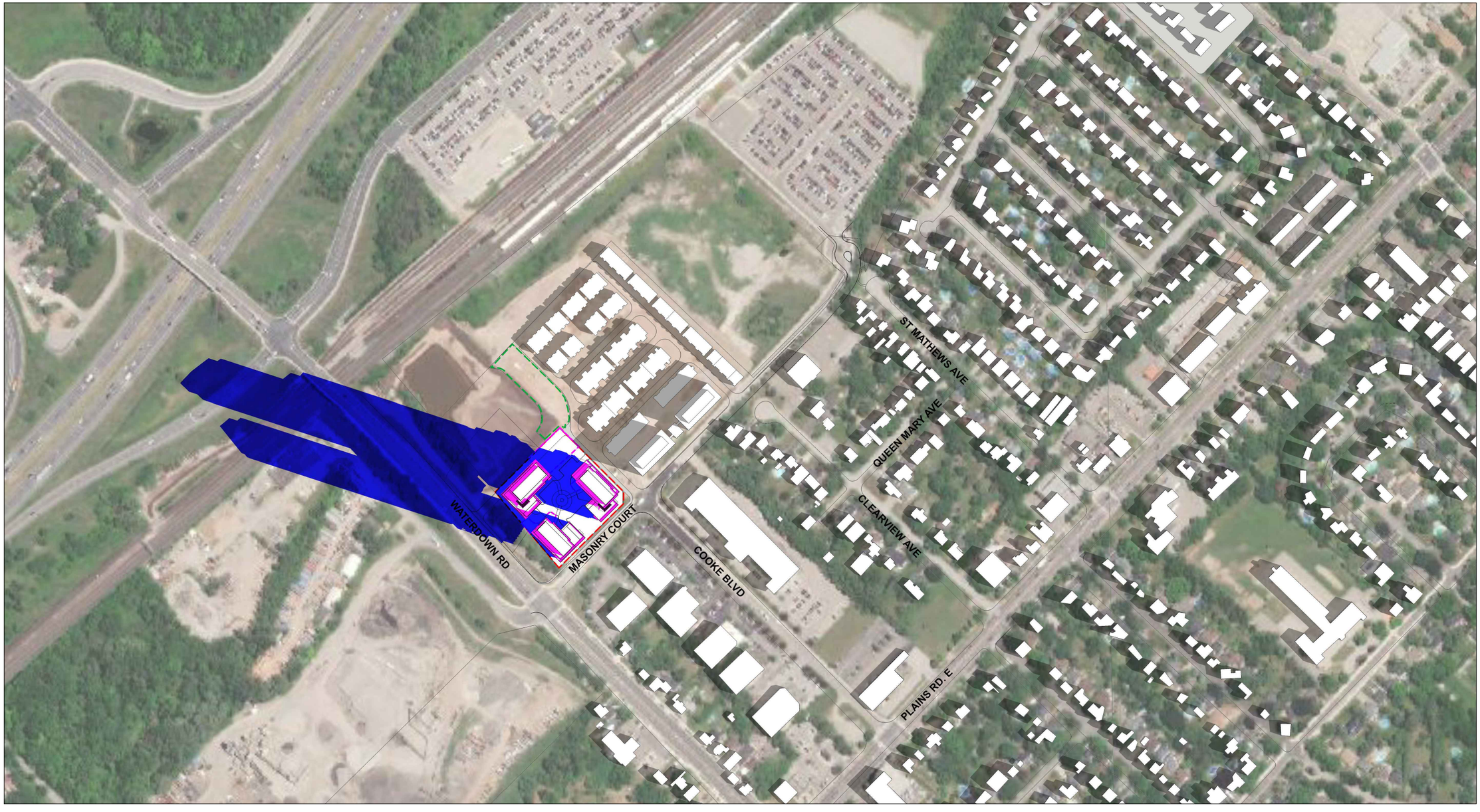
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

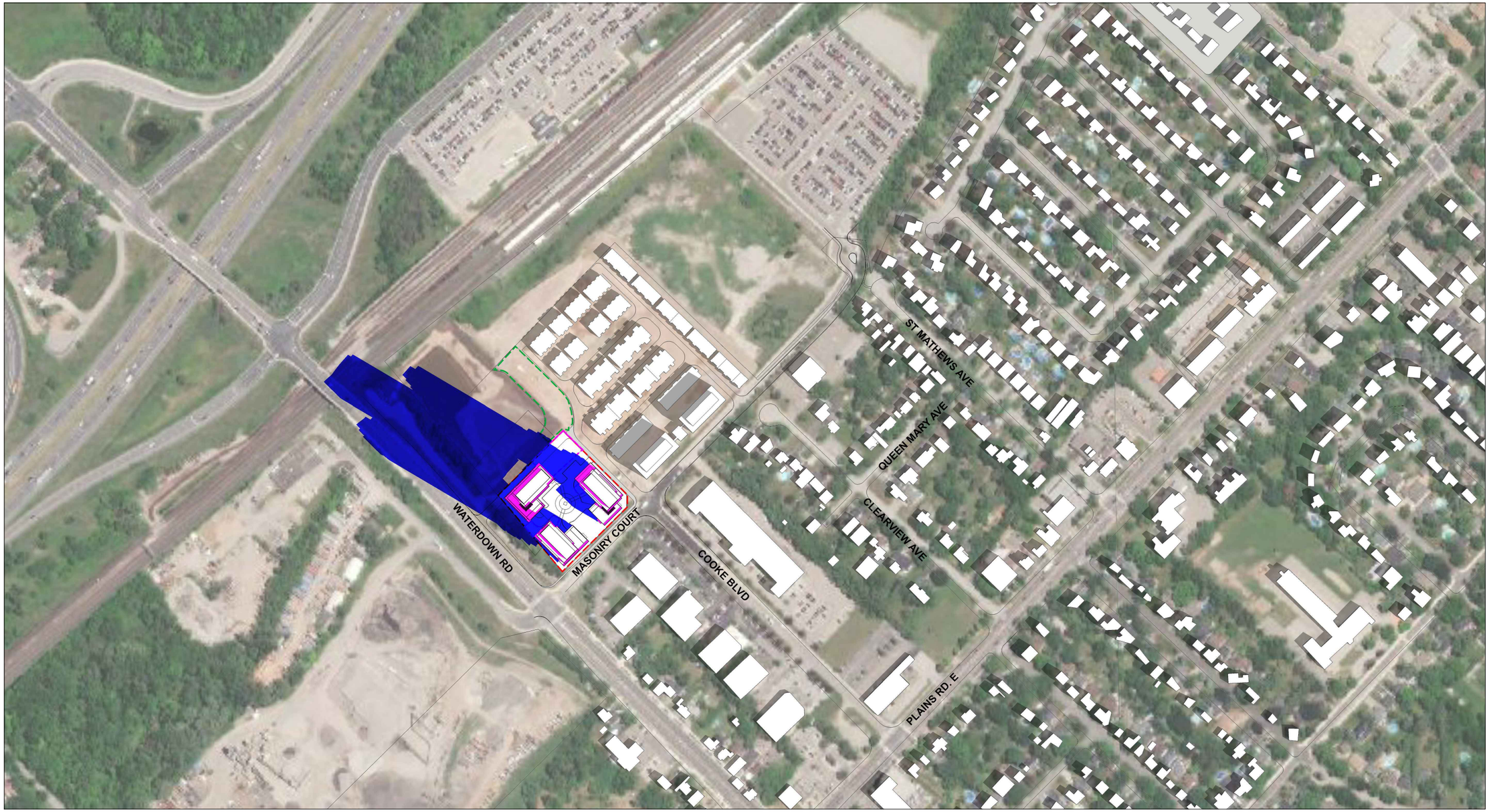
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

A123 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, 10:00

0 4000 8000

SCALE= 1:4000

STATION WEST
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

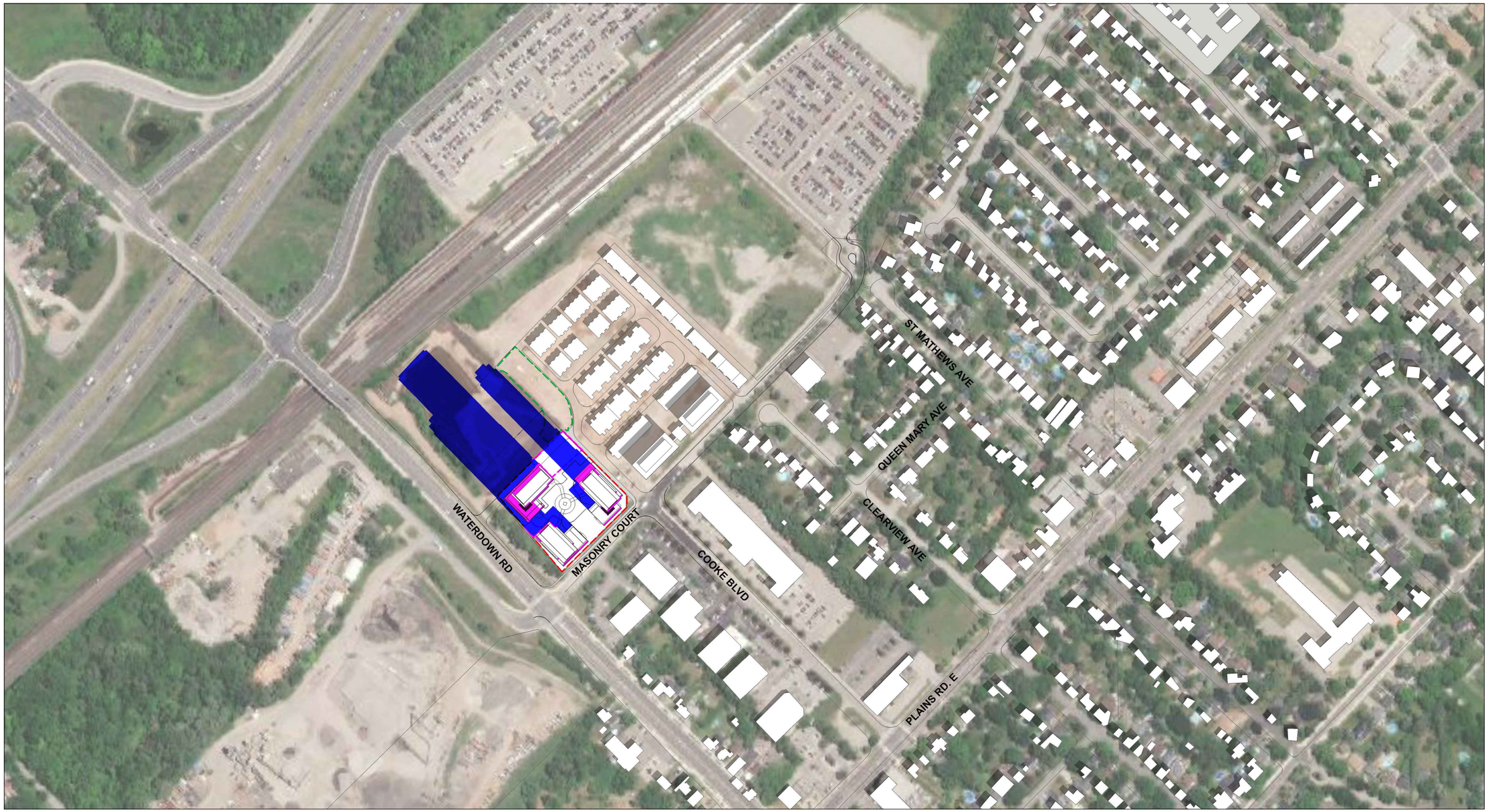
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST 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

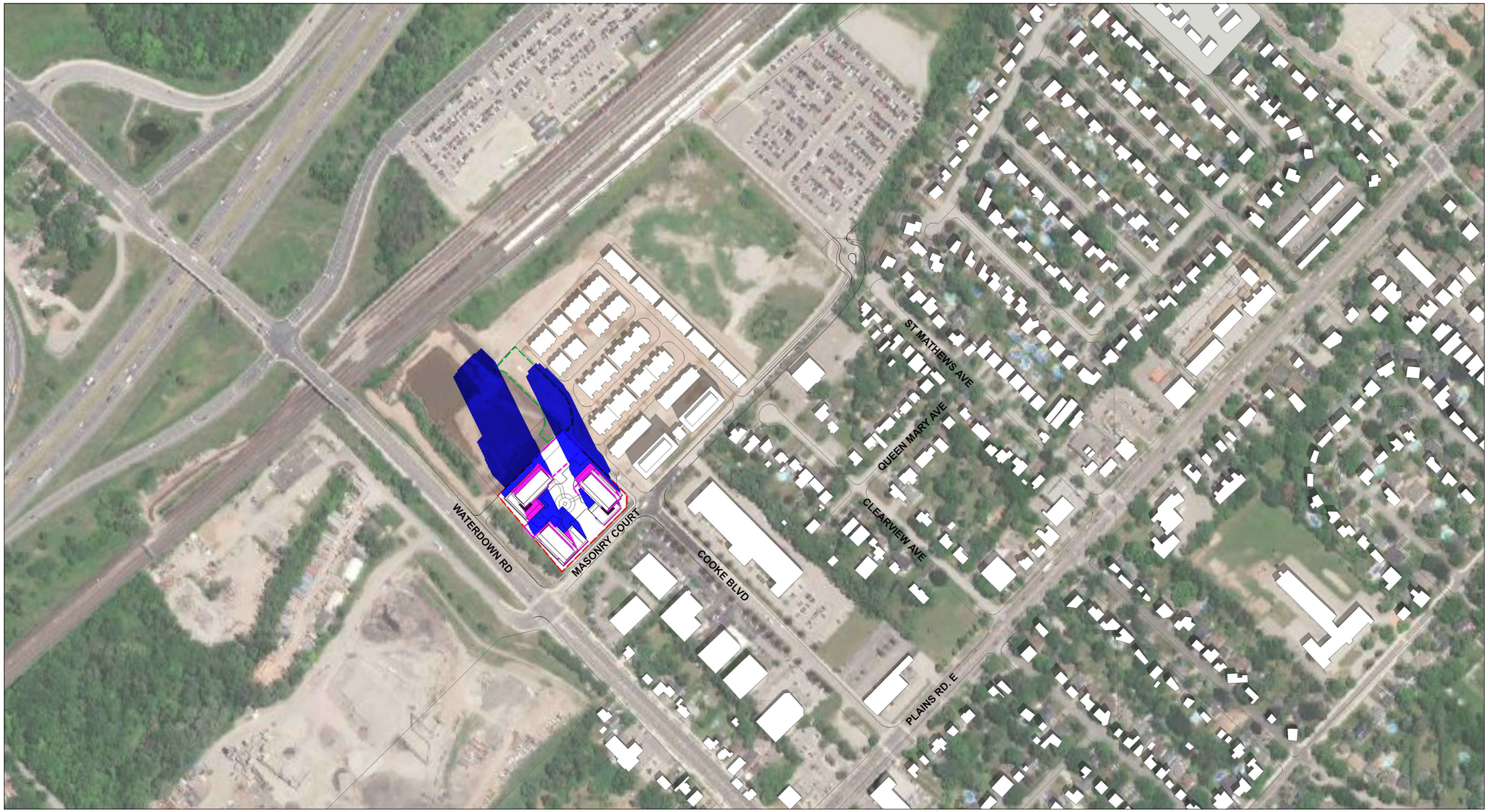
PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

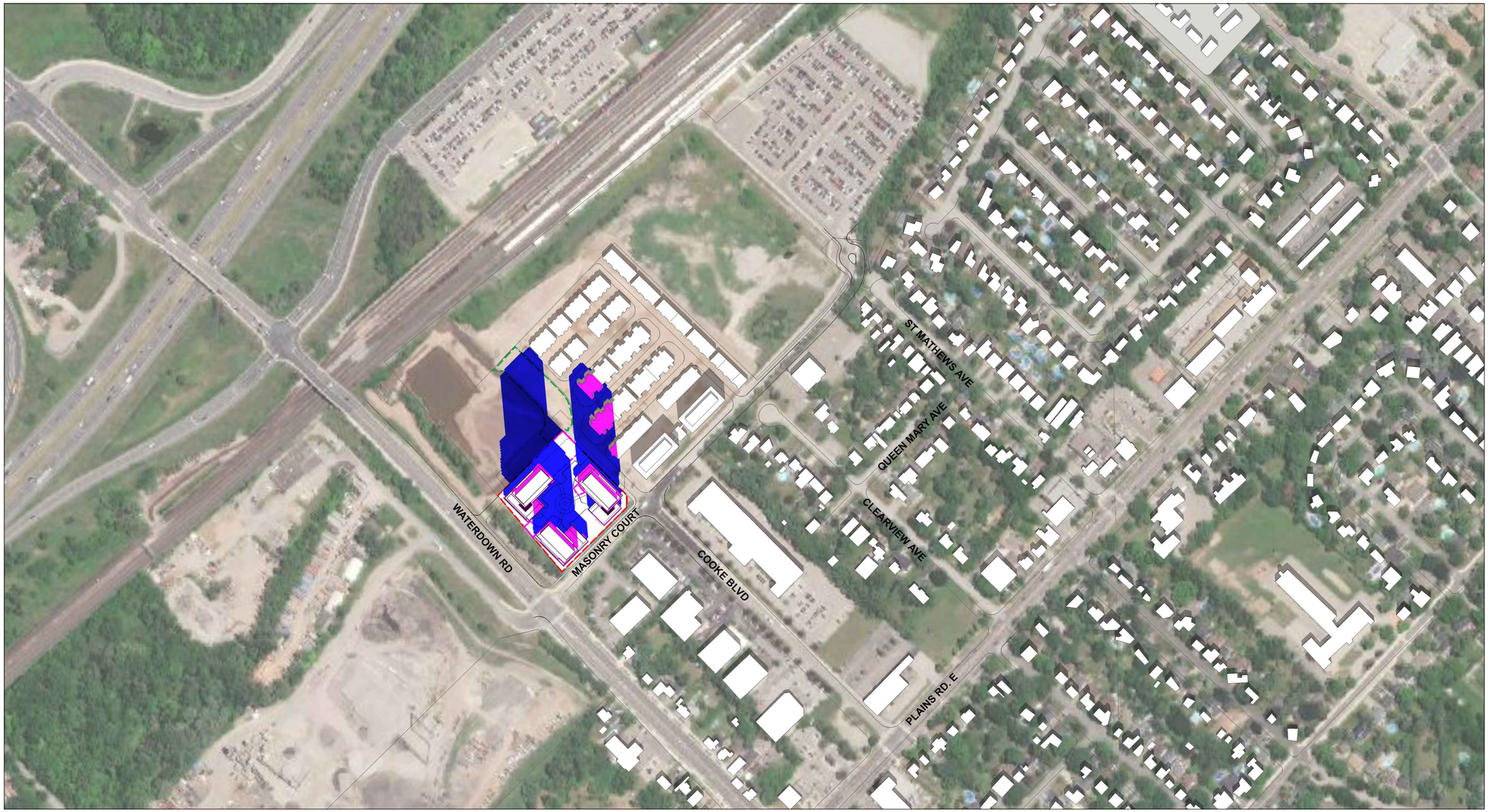
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

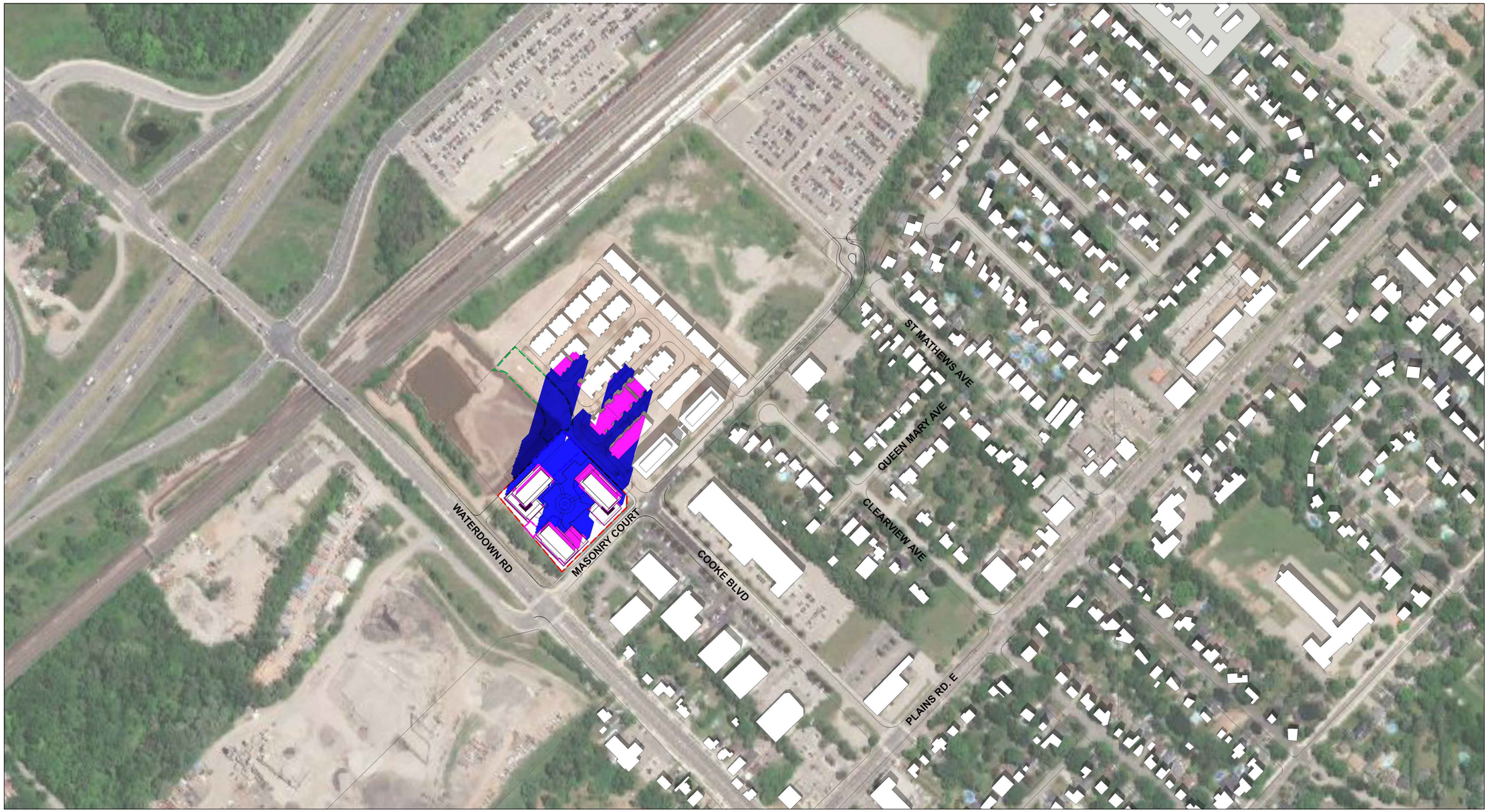
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

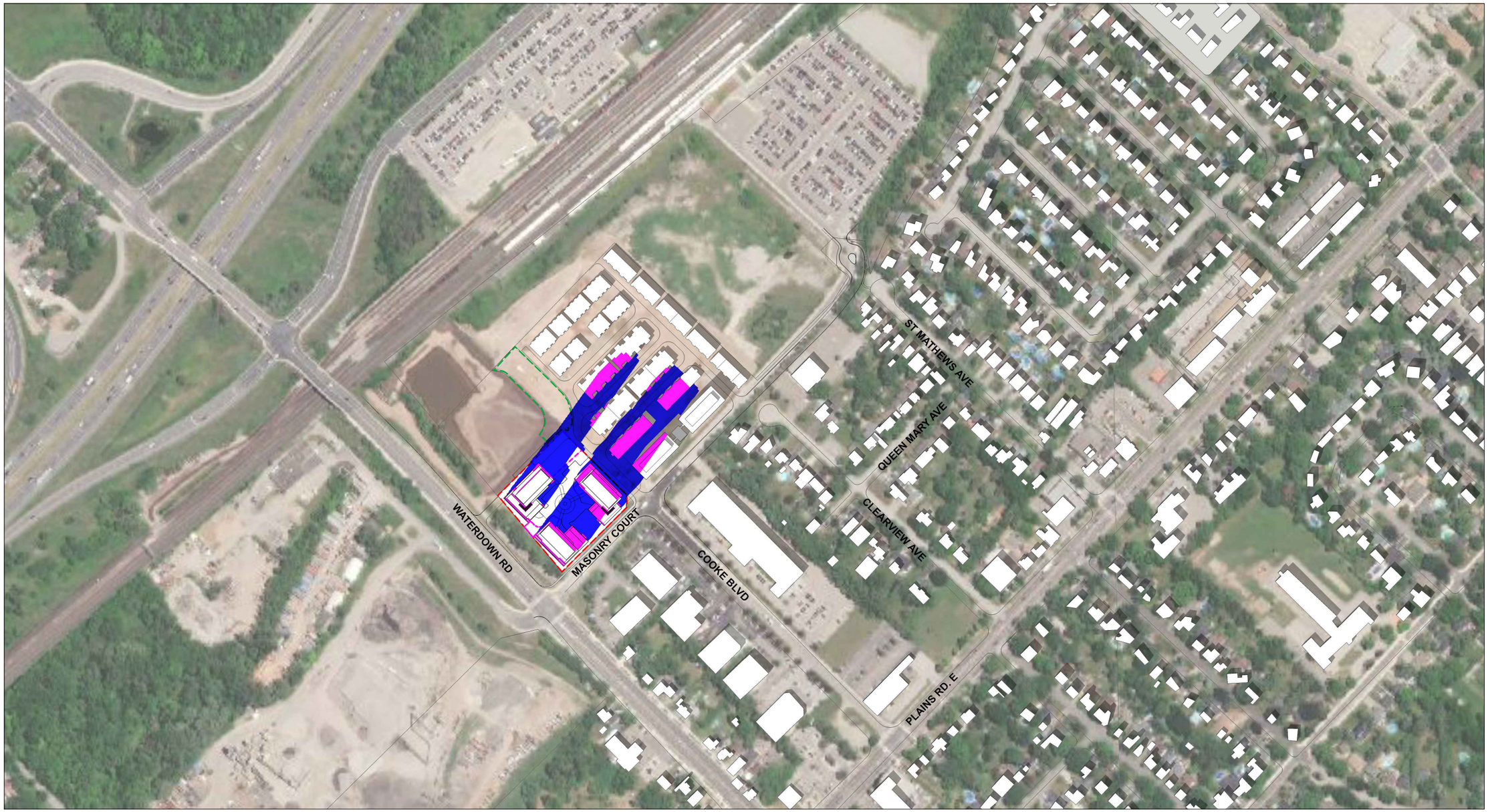
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

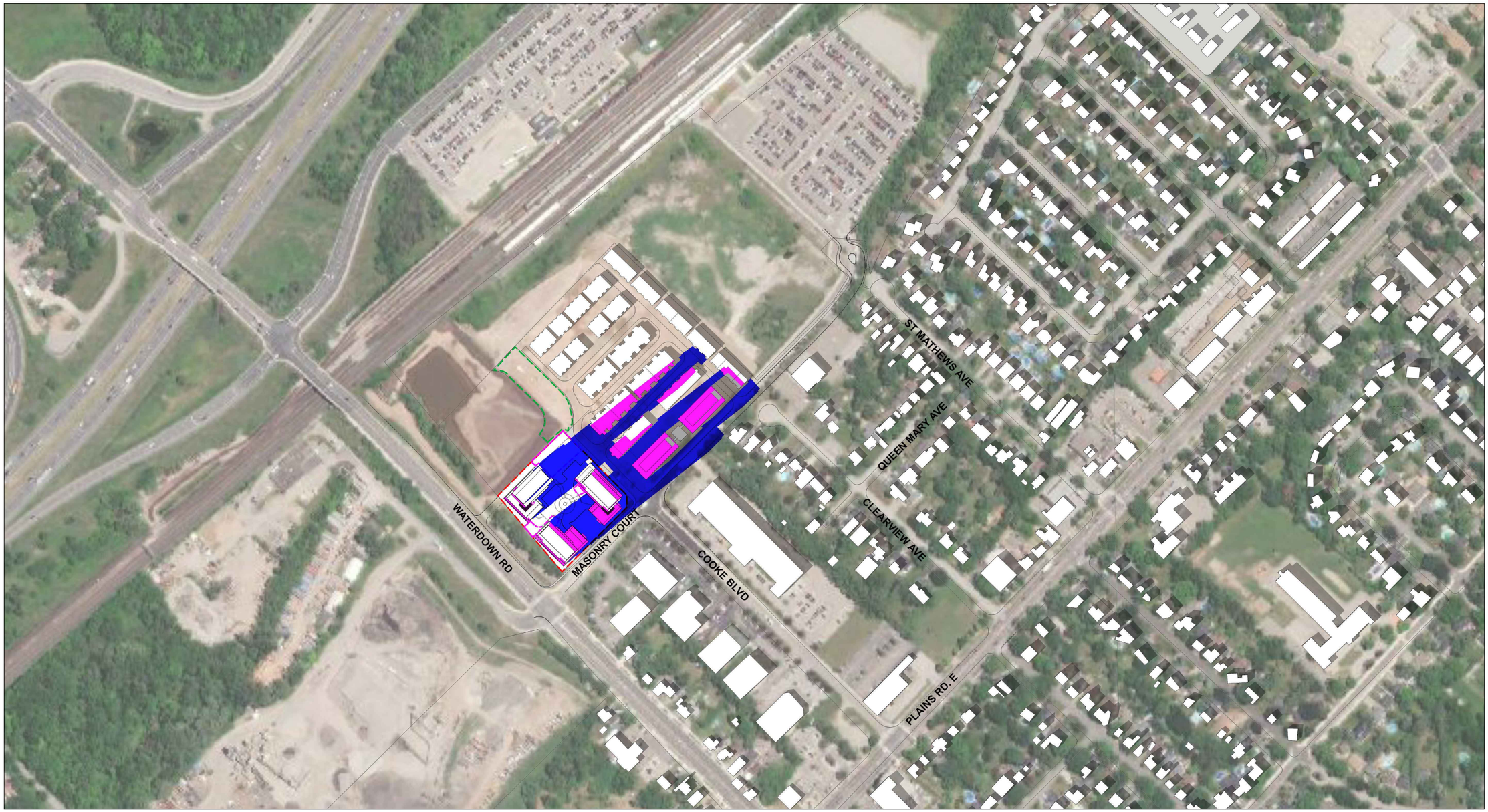
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST 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

10 FEBRUARY 2023

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

STATION WEST PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

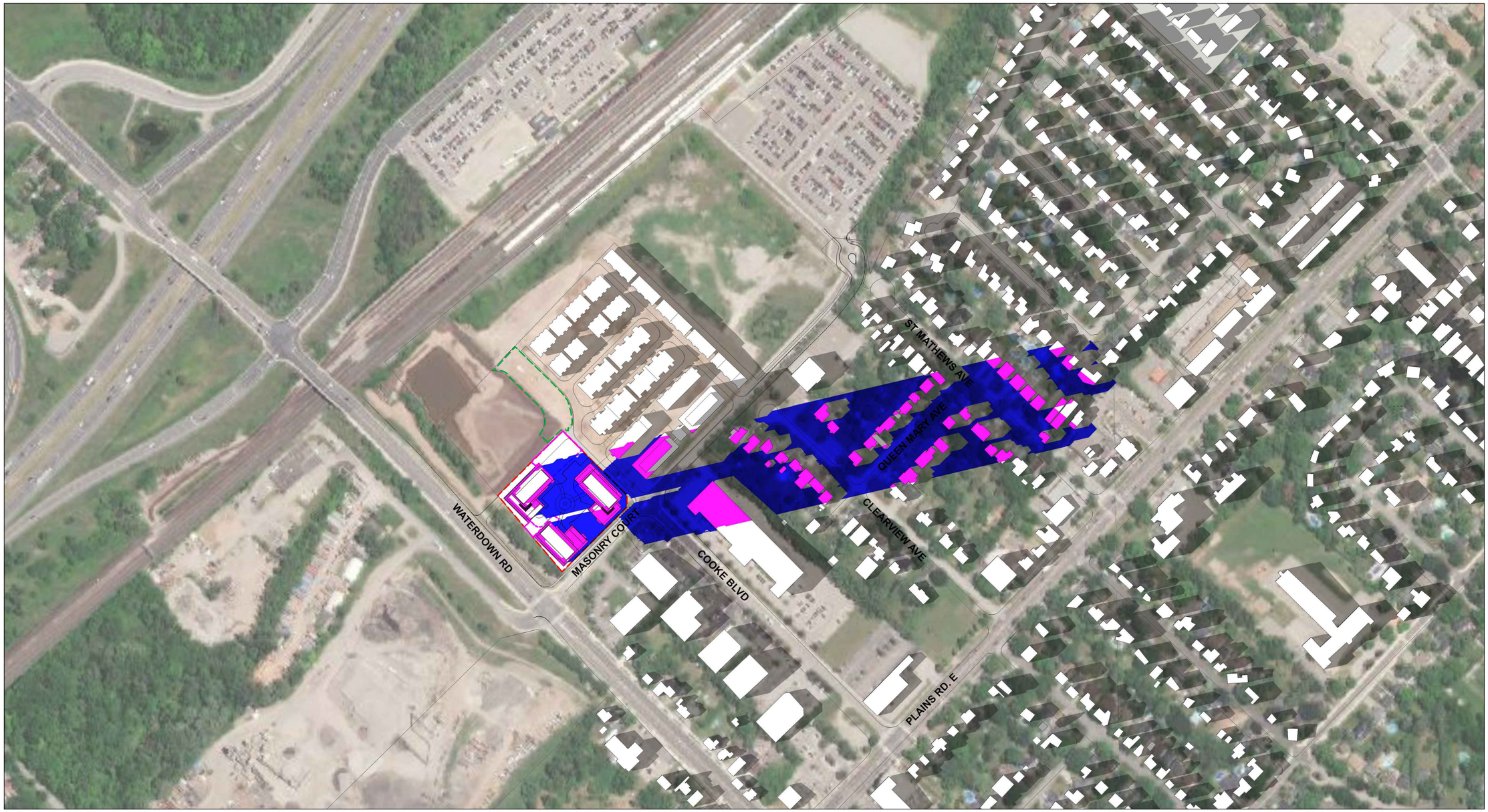
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST
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

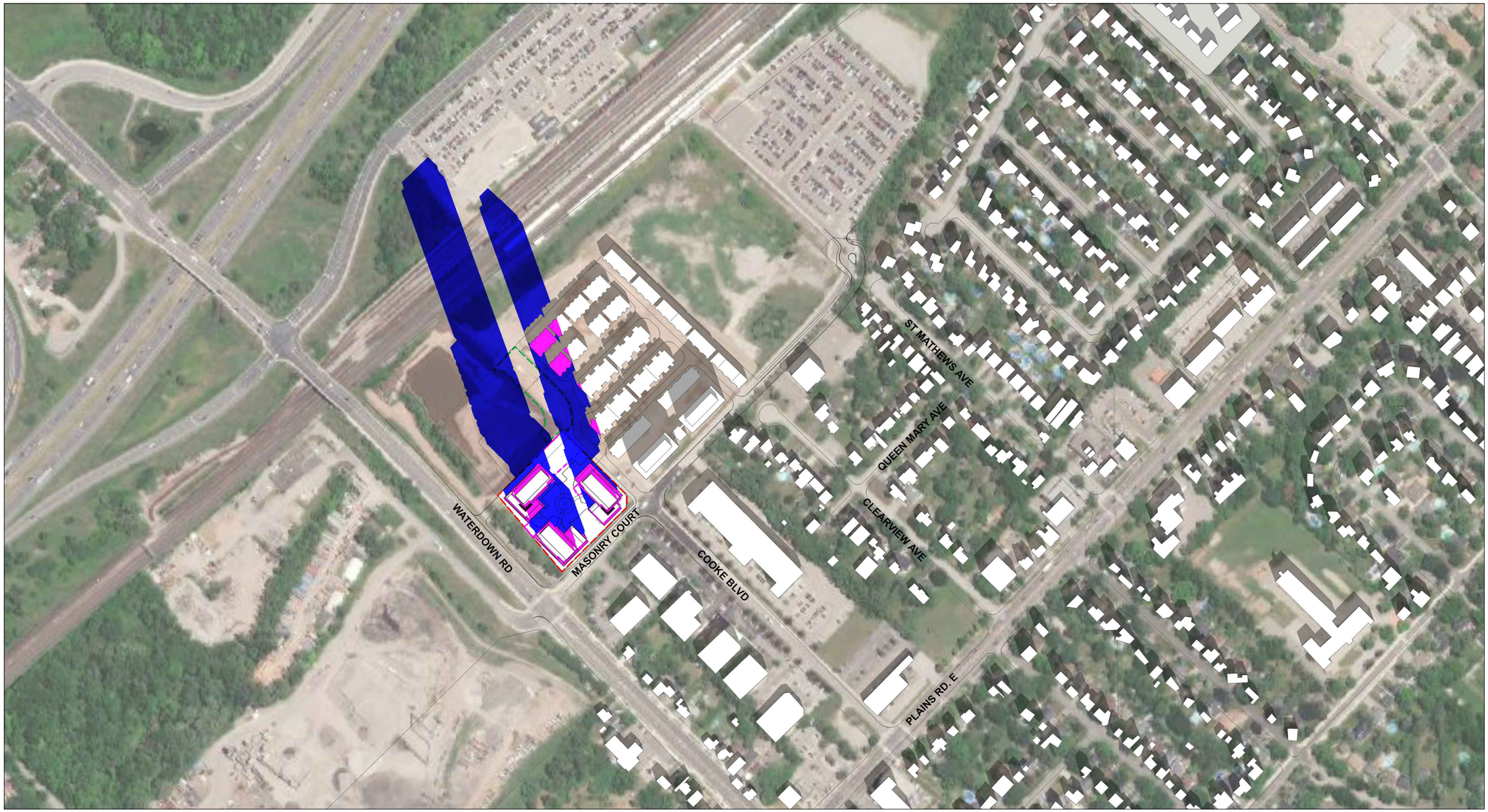
PROJECT NORTH

10 FEBRUARY 2023

A132 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 DECEMBER, 11:00

0 4000 8000

SCALE= 1:4000

STATION WEST
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

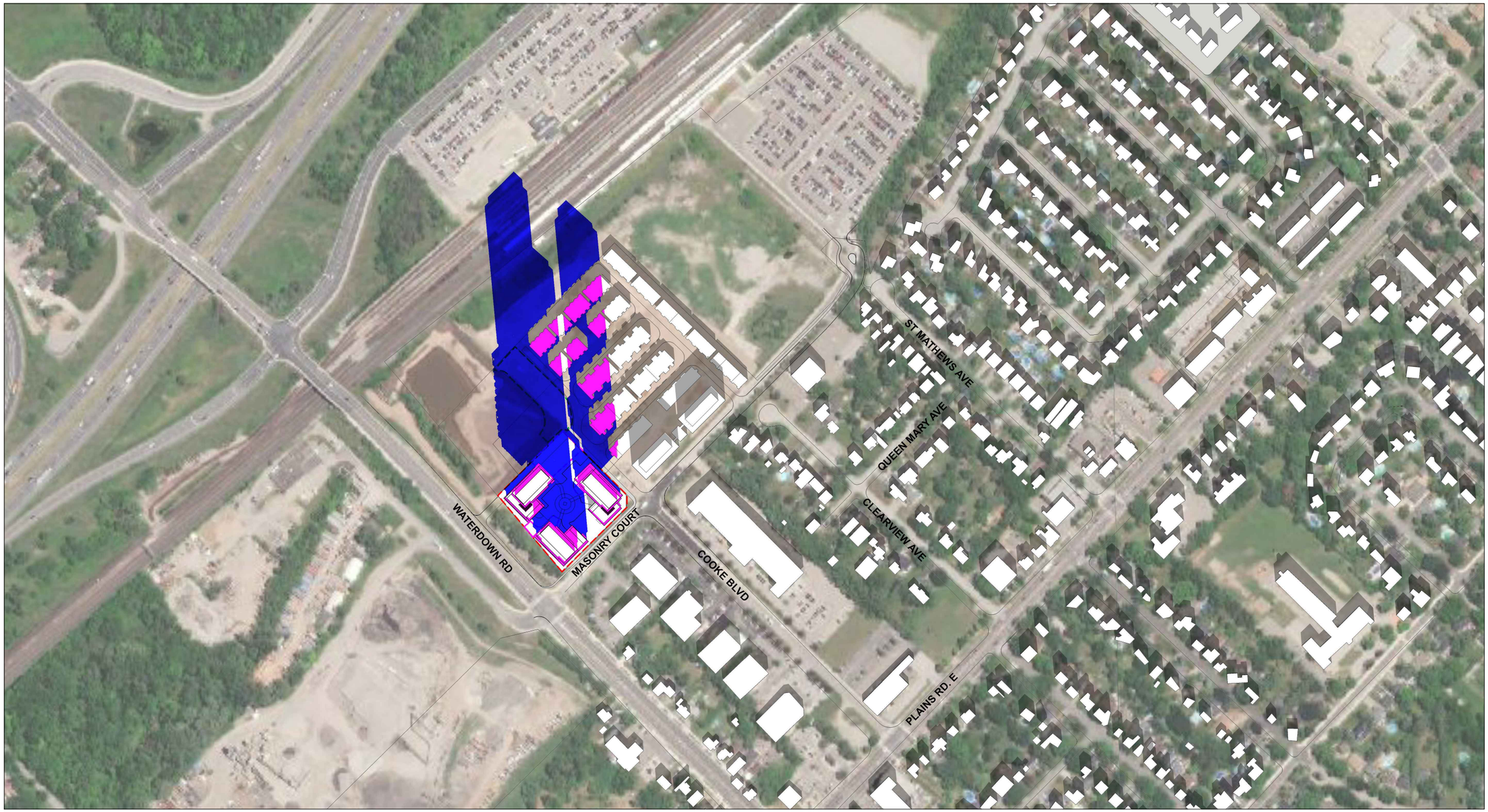
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

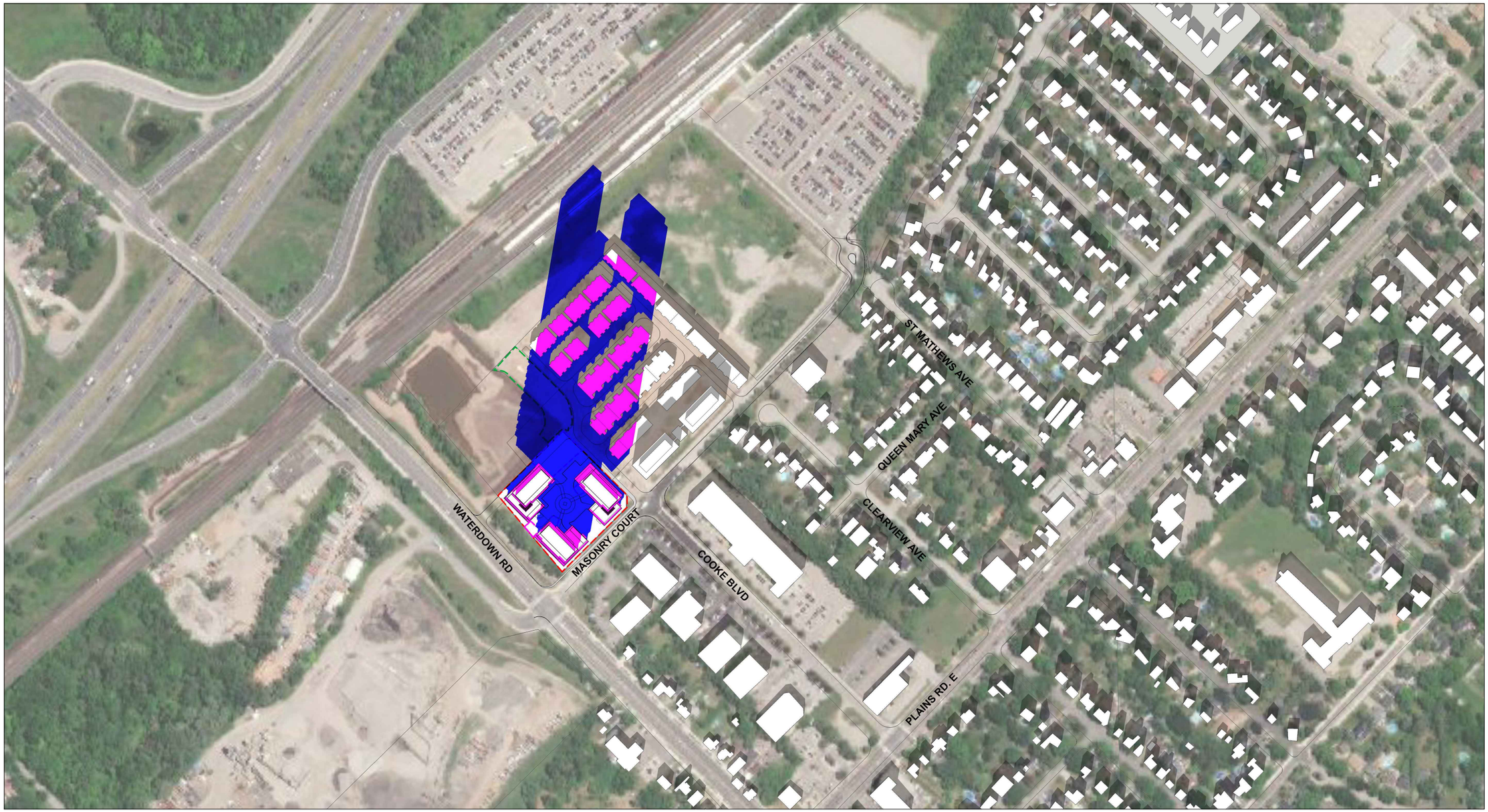
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST 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

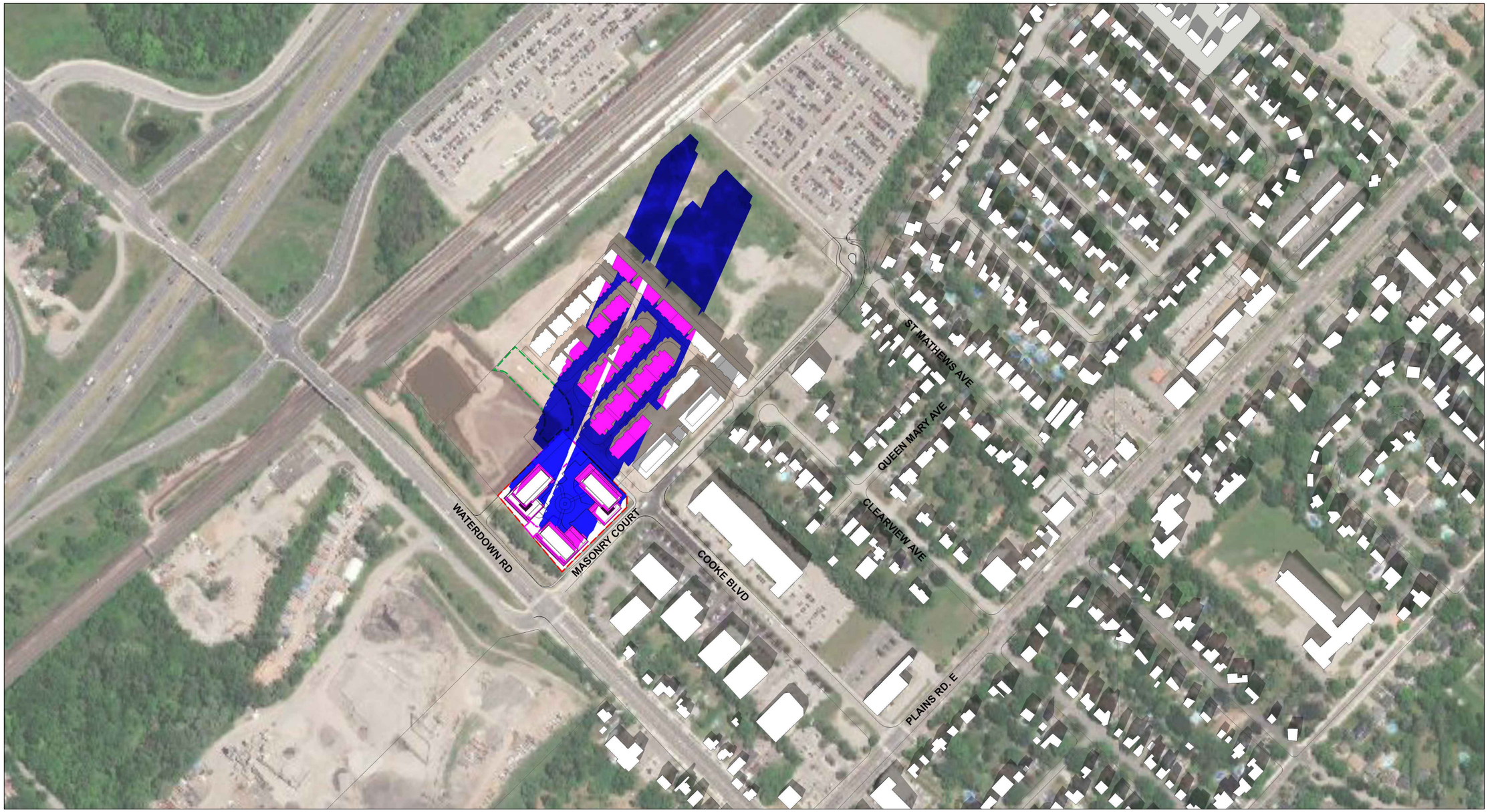
PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST
PHASE 2

1120 COOKE BLVD

BURLINGTON, ON

LEGEND

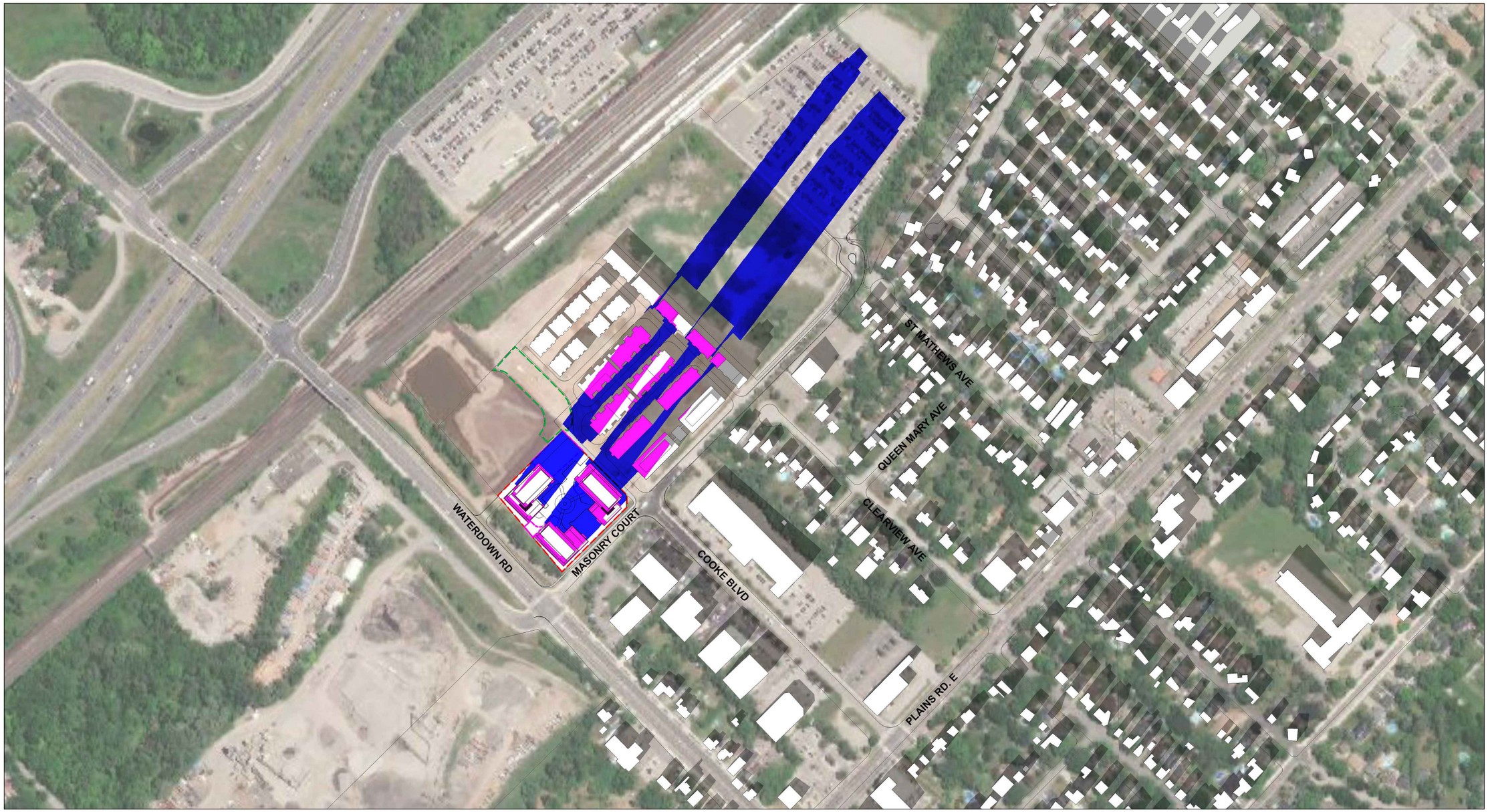
- NET NEW SHADOWS CAST ON ROOF SURFACES
- NET NEW SHADOWS CAST ON GROUND SURFACES
- SHADOWS CAST BY EXISTING BUILDINGS ON ALL SURFACES
- SITE BOUNDARY
- OPEN SPACE
- OUTDOOR AMENITY

PROJECT NORTH

10 FEBRUARY 2023

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

STATION WEST
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

10 FEBRUARY 2023

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

OUTDOOR AMENITY AREA

1. TOTAL AREA OF OUTDOOR AMENITY AREA (A_T) = 1462 m2

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

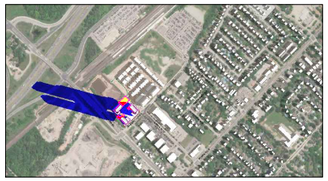
09:00 ($AS_{(TEST)}$) = 610 m^2
10:00 ($AS_{(TEST)}$) = 540 m^2
11:00 ($AS_{(TEST)}$) = 548 m^2
12:00 ($AS_{(TEST)}$) = 673 m^2
13:00 ($AS_{(TEST)}$) = 733 m^2
14:00 ($AS_{(TEST)}$) = 227 m^2
15:00 ($AS_{(TEST)}$) =364 m^2
16:00 ($AS_{(TEST)}$) = 659 m^2
17:00 ($AS_{(TEST)}$) = 833 m^2
18:00 ($AS_{(TEST)}$) = 1072 m^2

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

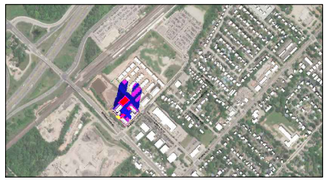
09:00-10:00 ($AS\ INTERVAL\text{-}9{:}00\text{-}10{:}00$) = (610 m^2+540 m^2) ÷2 = 575 m^2
10:00-11:00 ($AS\ INTERVAL\text{-}10{:}00\text{-}11{:}00$) = (540 m^2+548 m^2) ÷2 = 544 m^2
11:00-12:00 ($AS\ INTERVAL\text{-}11{:}00\text{-}12{:}00$) = (548 m^2+673 m^2) ÷2 = 610.5 m^2
12:00 -13:00 ($AS\ INTERVAL\text{-}12{:}00\text{-}13{:}00$) = (673 m^2+733 m^2) ÷2 = 703 m^2
13:00 -14:00 ($AS\ INTERVAL\text{-}13{:}00\text{-}14{:}00$) = (733 m^2+227 m^2) ÷2 = 480m^2
14:00 -15:00 ($AS\ INTERVAL\text{-}14{:}00\text{-}15{:}00$) = (227 m^2+364 m^2) ÷2 = 295.5 m^2
15:00 -16:00 ($AS\ INTERVAL\text{-}15{:}00\text{-}16{:}00$) = (364 m^2+659 m^2) ÷2 = 216.5 m^2
16:00 -17:00 ($AS\ INTERVAL\text{-}16{:}00\text{-}17{:}00$) = (659 m^2+833 m^2) ÷2 = 746 m^2
17:00 -18:00 ($AS\ INTERVAL\text{-}17{:}00\text{-}18{:}00$) = (833 m^2+1072 m^2) ÷2 = 952.5 m^2

4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$) = [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 5123 ÷ 9 = 569.2

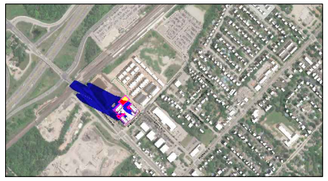
5. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 569.2 m^2 ÷ 1462 m^2 = 0.38 m^2



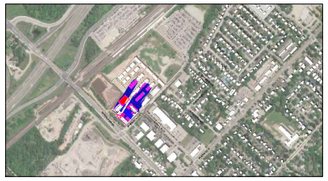
09:00 AM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 610 m^2
AREA IN SHADOW: 852 m^2



02:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 227 m^2
AREA IN SHADOW: 1235 m^2



10:00 AM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 540 m^2
AREA IN SHADOW: 922 m^2



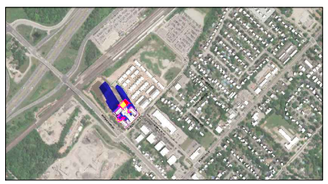
03:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 364 m^2
AREA IN SHADOW: 1098 m^2



11:00 AM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 548 m^2
AREA IN SHADOW: 914 m^2



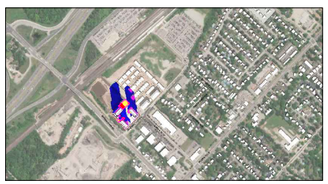
04:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 659 m^2
AREA IN SHADOW: 803 m^2



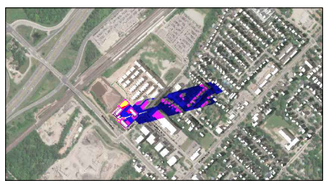
12:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 673 m^2
AREA IN SHADOW: 789 m^2



05:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 833 m^2
AREA IN SHADOW:629 m^2



01:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 733 m^2
AREA IN SHADOW: 729 m^2



06:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 1072 m^2
AREA IN SHADOW: 390 m^2

STATION WEST 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

10 FEBRUARY 2023

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 JUNE 21

OUTDOOR AMENITY AREA

1. TOTAL AREA OF OUTDOOR AMENITY AREA (A_T) = 1462 m2

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

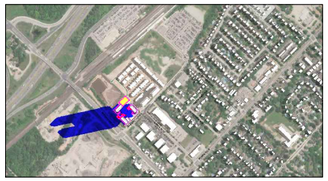
08:00 ($AS_{(TEST)}$) = 880 m^2
09:00 ($AS_{(TEST)}$) = 847 m^2
10:00 ($AS_{(TEST)}$) = 666 m^2
11:00 ($AS_{(TEST)}$) = 455 m^2
12:00 ($AS_{(TEST)}$) = 389 m^2
13:00 ($AS_{(TEST)}$) = 660 m^2
14:00 ($AS_{(TEST)}$) = 525 m^2
15:00 ($AS_{(TEST)}$) = 110 m^2
16:00 ($AS_{(TEST)}$) =345 m^2
17:00 ($AS_{(TEST)}$) = 675 m^2
18:00 ($AS_{(TEST)}$) = 396 m^2
19:00 ($AS_{(TEST)}$) = 766 m^2

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

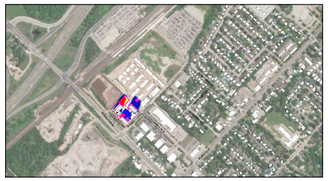
08:00-09:00 ($AS_{(AS\ INTERVAL\text{-}9:00\text{-}10:00)}$) = (880 m^2+847 m^2) ÷2 = 863.5 m^2
09:00-10:00 ($AS_{(AS\ INTERVAL\text{-}9:00\text{-}10:00)}$) = (847 m^2+666 m^2) ÷2 = 756.5 m^2
10:00-11:00 ($AS_{(AS\ INTERVAL\text{-}10:00\text{-}11:00)}$) = (666 m^2+455 m^2) ÷2 = 560.5 m^2
11:00-12:00 ($AS_{(AS\ INTERVAL\text{-}11:00\text{-}12:00)}$) = (455 m^2+389 m^2) ÷2 = 422 m^2
12:00 -13:00($AS_{(AS\ INTERVAL\text{-}12:00\text{-}13:00)}$) = (389 m^2+660 m^2) ÷2 = 524.5 m^2
13:00 -14:00($AS_{(AS\ INTERVAL\text{-}13:00\text{-}14:00)}$) = (660 m^2+525 m^2) ÷2 = 592.5 m^2
14:00 -15:00($AS_{(AS\ INTERVAL\text{-}14:00\text{-}15:00)}$) = (525 m^2+110 m^2) ÷2 = 317.5 m^2
15:00 -16:00($AS_{(AS\ INTERVAL\text{-}15:00\text{-}16:00)}$) = (110 m^2+345 m^2) ÷2 = 227.5 m^2
16:00 -17:00($AS_{(AS\ INTERVAL\text{-}16:00\text{-}17:00)}$) = (345 m^2+675 m^2) ÷2 = 510 m^2
17:00 -18:00($AS_{(AS\ INTERVAL\text{-}17:00\text{-}18:00)}$) = (675 m^2+396 m^2) ÷2 = 535.5 m^2
18:00 -19:00($AS_{(AS\ INTERVAL\text{-}17:00\text{-}18:00)}$) = (396 m^2+766 m^2) ÷2 = 581 m^2

4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$)
= [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 2586.5 ÷ 11 = 235.13m^2

5. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 490.9 m^2 ÷ 1462 m^2 = 0.23 m^2



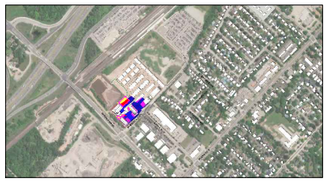
08:00 AM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 1189 m^2
AREA IN SHADOW: 273 m^2



02:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 525 m^2
AREA IN SHADOW: 460 m^2



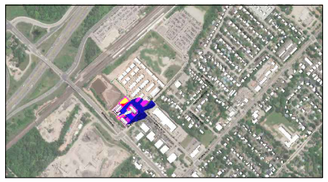
09:00 AM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 1212 m^2
AREA IN SHADOW: 250 m^2



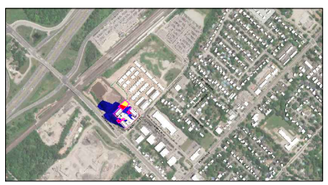
03:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 110 m^2
AREA IN SHADOW: 875 m^2



10:00 AM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 666 m^2
AREA IN SHADOW: 319 m^2



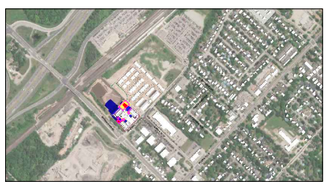
04:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 345 m^2
AREA IN SHADOW: 640 m^2



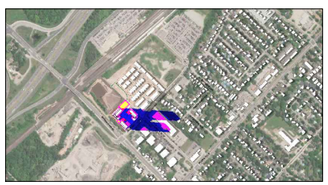
11:00 AM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 455 m^2
AREA IN SHADOW: 530 m^2



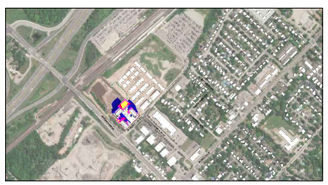
05:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 675 m^2
AREA IN SHADOW:310 m^2



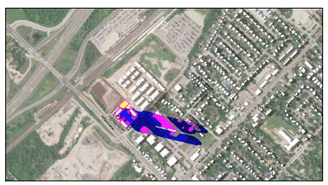
12:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 389 m^2
AREA IN SHADOW: 596 m^2



06:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 369 m^2
AREA IN SHADOW: 616 m^2



01:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 660 m^2
AREA IN SHADOW: 325 m^2



07:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 766 m^2
AREA IN SHADOW: 219 m^2

STATION WEST 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

10 FEBRUARY 2023

A139 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
180 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

OUTDOOR AMENITY AREA

1. TOTAL AREA OF OUTDOOR AMENITY AREA (A_T) = 1462 m2

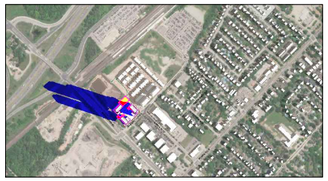
2. AREAS EXPOSED TO SUNSHINE AT EACH HOURLY TEST TIMES ($AS_{(TEST)}$).

09:00 ($AS_{(TEST)}$) = 672 m^2
10:00 ($AS_{(TEST)}$) = 497 m^2
11:00 ($AS_{(TEST)}$) = 587 m^2
12:00 ($AS_{(TEST)}$) = 747 m^2
13:00 ($AS_{(TEST)}$) = 607 m^2
14:00 ($AS_{(TEST)}$) = 244 m^2
15:00 ($AS_{(TEST)}$) =339 m^2
16:00 ($AS_{(TEST)}$) = 746 m^2
17:00 ($AS_{(TEST)}$) = 882 m^2
18:00 ($AS_{(TEST)}$) = 117 m^2

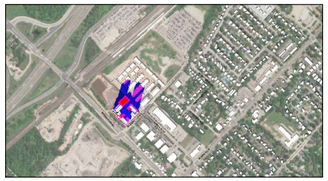
3. THE AVERAGE FOR THE NINE ONE-HOUR INTERVALS ($AS_{(INTERVAL)}$).

09:00-10:00 ($AS_{(AS\ INTERVAL\text{-}9:00\text{-}10:00)}$) = (672 m^2+497 m^2) ÷2 = 584.5 m^2
10:00-11:00 ($AS_{(AS\ INTERVAL\text{-}10:00\text{-}11:00)}$) = (497 m^2+587 m^2) ÷2 = 542 m^2
11:00-12:00 ($AS_{(AS\ INTERVAL\text{-}11:00\text{-}12:00)}$) = (587 m^2+747 m^2) ÷2 = 667 m^2
12:00 -13:00 ($AS_{(AS\ INTERVAL\text{-}12:00\text{-}13:00)}$) = (747 m^2+607 m^2) ÷2 = 677 m^2
13:00 -14:00 ($AS_{(AS\ INTERVAL\text{-}13:00\text{-}14:00)}$) = (607 m^2+244 m^2) ÷2 = 425.5 m^2
14:00 -15:00 ($AS_{(AS\ INTERVAL\text{-}14:00\text{-}15:00)}$) = (244 m^2+339 m^2) ÷2 = 291.5 m^2
15:00 -16:00 ($AS_{(AS\ INTERVAL\text{-}15:00\text{-}16:00)}$) = (339 m^2+746 m^2) ÷2 = 542.5m^2
16:00 -17:00 ($AS_{(AS\ INTERVAL\text{-}16:00\text{-}17:00)}$) = (746 m^2+882 m^2) ÷2 = 814 m^2
17:00 -18:00 ($AS_{(AS\ INTERVAL\text{-}17:00\text{-}18:00)}$) = (882 m^2+117 m^2) ÷2 = 499.5 m^2

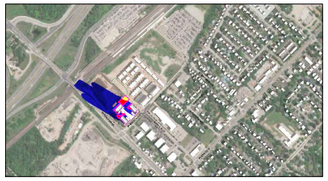
4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$)
= [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 4971.5 ÷ 9 = 552.38
5. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 552.38 m^2 ÷ 1462 m^2 = 0.37 m^2



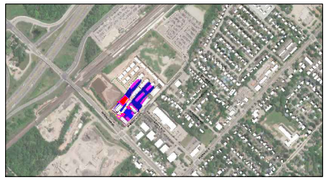
09:00 AM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 672 m^2
AREA IN SHADOW: 790 m^2



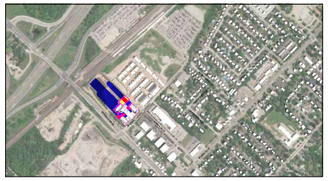
02:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 244 m^2
AREA IN SHADOW: 1218 m^2



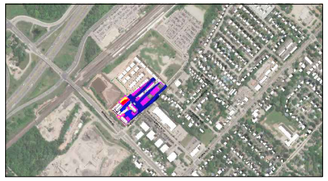
10:00 AM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 497 m^2
AREA IN SHADOW: 965 m^2



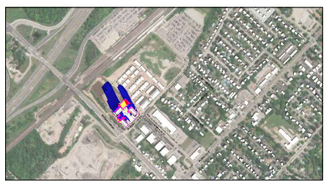
03:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 339 m^2
AREA IN SHADOW: 1123 m^2



11:00 AM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 587 m^2
AREA IN SHADOW: 875 m^2



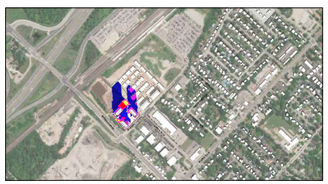
04:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 746 m^2
AREA IN SHADOW: 716 m^2



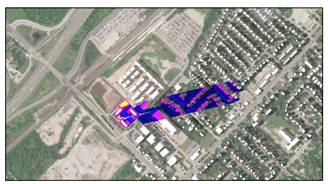
12:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 747 m^2
AREA IN SHADOW: 715 m^2



05:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 882 m^2
AREA IN SHADOW: 580 m^2



01:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 607 m^2
AREA IN SHADOW: 855 m^2



06:00 PM
TOTAL OUTDOOR AMENITY AREA: 1462 m^2
AREA EXPOSED TO SUNSHINE: 1117 m^2
AREA IN SHADOW: 345 m^2

STATION WEST 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

10 FEBRUARY 2023

A140 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

OUTDOOR AMENITY AREA

1. TOTAL AREA OF OUTDOOR AMENITY AREA (A_T) = 1462 m2

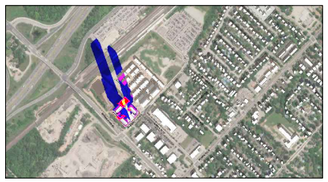
2. AREAS EXPOSED TO SUNSHINE AT EACH HOURLY TEST TIMES ($AS_{(TEST)}$).

11:00 ($AS_{(TEST)}$) = 789 m^2
12:00 ($AS_{(TEST)}$) = 327 m^2
13:00 ($AS_{(TEST)}$) = 236 m^2
14:00 ($AS_{(TEST)}$) = 363 m^2
15:00 ($AS_{(TEST)}$) = 277 m^2

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

11:00-12:00 ($AS_{(AS\ INTERVAL\text{-}11:00\text{-}12:00)}$) = (789 m^2+327 m^2) ÷2 = 558 m^2
12:00 -13:00($AS_{(AS\ INTERVAL\text{-}12:00\text{-}13:00)}$) = (327 m^2+236 m^2) ÷2 = 281.5 m^2
13:00 -14:00($AS_{(AS\ INTERVAL\text{-}13:00\text{-}14:00)}$) = (236 m^2+363 m^2) ÷2 = 299.5 m^2
14:00 -15:00($AS_{(AS\ INTERVAL\text{-}14:00\text{-}15:00)}$) = (363 m^2+277 m^2) ÷2 = 320 m^2

4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$)
5. = [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 1459 ÷ 4 = 364.75
6. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 364.75 m^2 ÷ 1462 m^2 = 0.24 m^2

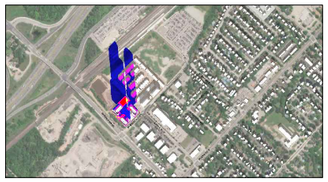


11:00 AM

TOTAL OUTDOOR AMENITY AREA: 1462 m^2

AREA EXPOSED TO SUNSHINE: 789 m^2

AREA IN SHADOW: 673 m^2

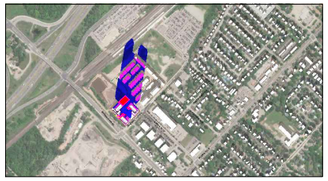


12:00 AM

TOTAL OUTDOOR AMENITY AREA: 1462 m^2

AREA EXPOSED TO SUNSHINE: 327 m^2

AREA IN SHADOW: 1135 m^2



01:00 PM

TOTAL OUTDOOR AMENITY AREA: 1462 m^2

AREA EXPOSED TO SUNSHINE: 236 m^2

AREA IN SHADOW: 1226 m^2

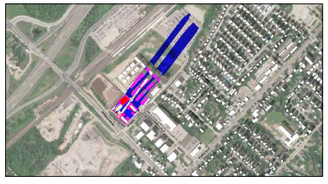


02:00 PM

TOTAL OUTDOOR AMENITY AREA: 1462 m^2

AREA EXPOSED TO SUNSHINE: 363 m^2

AREA IN SHADOW: 1099 m^2



03:00 PM

TOTAL OUTDOOR AMENITY AREA: 1462 m^2

AREA EXPOSED TO SUNSHINE: 277 m^2

AREA IN SHADOW: 1185 m^2

STATION WEST 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

10 FEBRUARY 2023

A141 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 348 0400 • F +1 416 348 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 ($AS_{(TEST)}$) = 2679 m^2
12:00 ($AS_{(TEST)}$) = 920 m^2
13:00 ($AS_{(TEST)}$) = 1610 m^2
14:00 ($AS_{(TEST)}$) = 1139 m^2
15:00 ($AS_{(TEST)}$) = 2324 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 ($AS_{(INTERVAL)}$).

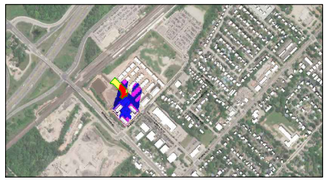
09:00-10:00 $_{(AS\ INTERVAL\text{-}9:00\text{-}10:00)}$) = (2835 m^2+2835 m^2) ÷2 = 2835 m^2
10:00-11:00 $_{(AS\ INTERVAL\text{-}10:00\text{-}11:00)}$) = (2835 m^2+2679 m^2)÷2 = 2771.5 m^2
11:00-12:00 $_{(AS\ INTERVAL\text{-}11:00\text{-}12:00)}$) = (2679 m^2+1895 m^2) ÷2 = 2301.5 m^2
12:00 -13:00$_{(AS\ INTERVAL\text{-}12:00\text{-}13:00)}$) = (1895 m^2+1568 m^2) ÷2 = 1731.5 m^2
13:00 -14:00$_{(AS\ INTERVAL\text{-}13:00\text{-}14:00)}$) = (1568 m^2+1369 m^2) ÷2 = 1468.5 m^2
14:00 -15:00$_{(AS\ INTERVAL\text{-}14:00\text{-}15:00)}$) = (1369 m^2+2458 m^2) ÷2 = 1913.5 m^2
15:00 -16:00$_{(AS\ INTERVAL\text{-}15:00\text{-}16:00)}$) = (2458 m^2+2835 m^2) ÷2 = 2646.5 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] = 21,338 ÷ 9 = 2370.8

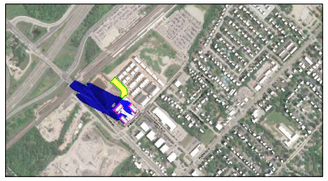
5. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 2370.8 m^2 ÷ 2835 m^2 = 0.83 m^2



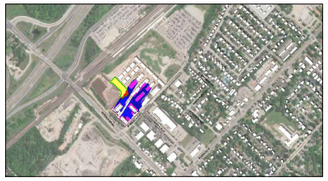
09:00 AM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW: 0 m^2



02:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 1139 m^2
AREA IN SHADOW: 1696 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



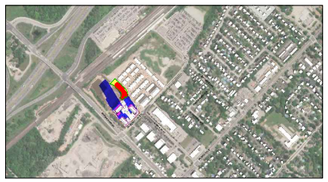
03:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2324. m^2
AREA IN SHADOW: 511 m^2



11:00 AM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2679 m^2
AREA IN SHADOW: 156 m^2



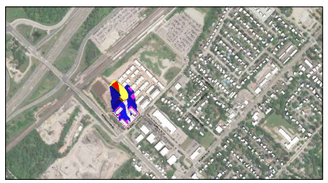
04:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW: 0 m^2



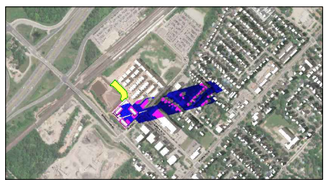
12:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 920 m^2
AREA IN SHADOW: 1915 m^2



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: 1610 m^2
AREA IN SHADOW: 1225 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

STATION WEST 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

10 FEBRUARY 2023

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

SUN ACCESS FACTOR CALCULATIONS JUNE 21

NEIGHBORHOOD PARK AREA

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

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

08:00 ($AS_{(TEST)}$) = 2835 m^2
09:00 ($AS_{(TEST)}$) = 2835 m^2
10:00 ($AS_{(TEST)}$) = 2835 m^2
11:00 ($AS_{(TEST)}$) = 2835 m^2
12:00 ($AS_{(TEST)}$) = 2753 m^2
13:00 ($AS_{(TEST)}$) = 2831 m^2
14:00 ($AS_{(TEST)}$) = 2561 m^2
15:00 ($AS_{(TEST)}$) = 2835 m^2
16:00 ($AS_{(TEST)}$) = 2835 m^2
17:00 ($AS_{(TEST)}$) = 2835 m^2
18:00 ($AS_{(TEST)}$) = 2835 m^2
19:00 ($AS_{(TEST)}$) = 2835 m^2

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

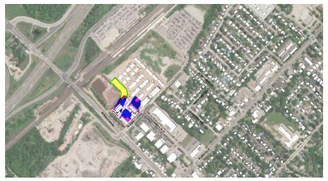
08:00-09:00 ($AS_{INTERVAL-9:00-10:00}$) = (2835 m^2+2835 m^2) ÷2 = 2835 m^2
09:00-10:00 ($AS_{INTERVAL-9:00-10:00}$) = (2835 m^2+2835 m^2) ÷2 = 2835 m^2
10:00-11:00 ($AS_{INTERVAL-10:00-11:00}$) = (2835 m^2+2835 m^2)÷2 = 2835 m^2
11:00-12:00 ($AS_{INTERVAL-11:00-12:00}$) = (2835 m^2+2753 m^2) ÷2 = 2794 m^2
12:00 -13:00 ($AS_{INTERVAL-12:00-13:00}$) = (2753 m^2+2831 m^2) ÷2 = 2792 m^2
13:00 -14:00 ($AS_{INTERVAL-13:00-14:00}$) = (2831 m^2+2561 m^2) ÷2 = 2696 m^2
14:00 -15:00 ($AS_{INTERVAL-14:00-15:00}$) = (2561 m^2+2835 m^2) ÷2 = 2698 m^2
15:00 -16:00 ($AS_{INTERVAL-15:00-16:00}$) = (2835 m^2+2835 m^2) ÷2 = 2835 m^2
16:00 -17:00 ($AS_{INTERVAL-16:00-17:00}$) = (2835 m^2+2835 m^2) ÷2 = 2835 m^2
17:00 -18:00 ($AS_{INTERVAL-17:00-18:00}$) = (2835 m^2+2835 m^2) ÷2 = 2835 m^2
17:00 -18:00 ($AS_{INTERVAL-17:00-18:00}$) = (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] = 30825 ÷ 11 = 2802.3

5. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 2802.3 m^2 ÷ 2835 m^2 = 0.98 m^2



08:00 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: 2561 m^2
AREA IN SHADOW: 274 m^2



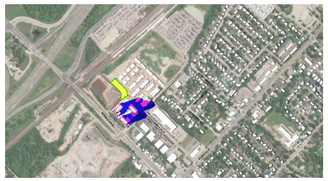
09:00 AM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW: 0 m^2



03:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW: 0 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



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



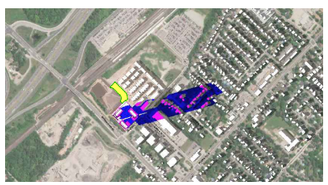
11:00 AM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW: 0 m^2



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



12:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2753 m^2
AREA IN SHADOW: 82 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



01:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2830.7 m^2
AREA IN SHADOW: 4.3 m^2



07:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW: 0 m^2

STATION WEST 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

10 FEBRUARY 2023

A143 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
180 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 ($AS_{(TEST)}$).

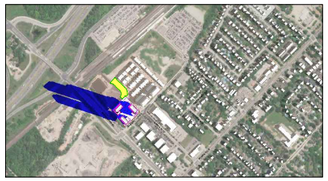
09:00 ($AS_{(TEST)}$) = 2835 m^2
10:00 ($AS_{(TEST)}$) = 2835 m^2
11:00 ($AS_{(TEST)}$) = 2576 m^2
12:00 ($AS_{(TEST)}$) = 1233 m^2
13:00 ($AS_{(TEST)}$) = 1235 m^2
14:00 ($AS_{(TEST)}$) = 1392 m^2
15:00 ($AS_{(TEST)}$) = 2555 m^2
16:00 ($AS_{(TEST)}$) = 2835 m^2
17:00 ($AS_{(TEST)}$) = 2835 m^2
18:00 ($AS_{(TEST)}$) = 2835 m^2

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

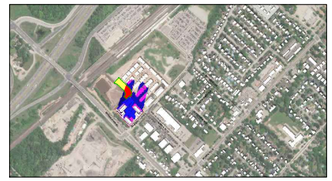
09:00-10:00 $_{(AS\ INTERVAL\text{-}9:00\text{-}10:00)}$) = (2835 m^2+2835 m^2) ÷2 = 2835m^2
10:00-11:00 $_{(AS\ INTERVAL\text{-}10:00\text{-}11:00)}$) = (2835 m^2+2576 m^2) ÷2 = 2705.5 m^2
11:00-12:00 $_{(AS\ INTERVAL\text{-}11:00\text{-}12:00)}$) = (2576 m^2+1233 m^2) ÷2 = 1904.5 m^2
12:00 -13:00$_{(AS\ INTERVAL\text{-}12:00\text{-}13:00)}$) = (1233 m^2+1235 m^2) ÷2 = 1234 m^2
13:00 -14:00$_{(AS\ INTERVAL\text{-}13:00\text{-}14:00)}$) = (1235 m^2+1392 m^2) ÷2 = 1313.5 m^2
14:00 -15:00$_{(AS\ INTERVAL\text{-}14:00\text{-}15:00)}$) = (1392 m^2+2555 m^2) ÷2 = 1973.5m^2
15:00 -16:00$_{(AS\ INTERVAL\text{-}15:00\text{-}16:00)}$) = (2555 m^2+2835 m^2) ÷2 = 2695 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] = 20,331 ÷ 9 = 2259

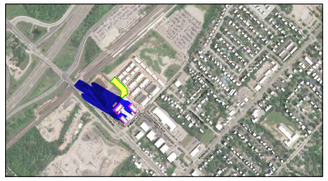
5. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 2259 m^2 ÷ 2835 m^2 = 0.80 m^2



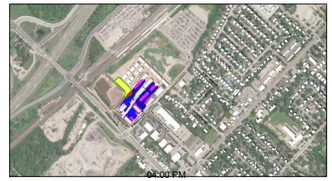
09:00 AM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW: 0 m^2



02:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 1392 m^2
AREA IN SHADOW: 1443 m^2



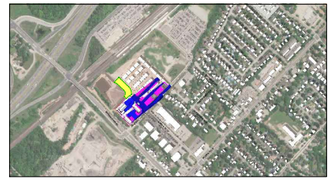
10:00 AM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW: 0 m^2



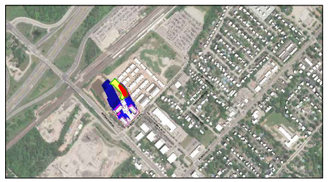
03:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2555 m^2
AREA IN SHADOW: 280 m^2



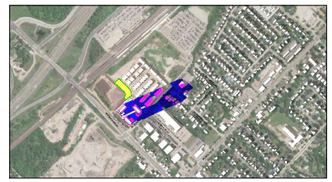
11:00 AM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2576 m^2
AREA IN SHADOW: 259 m^2



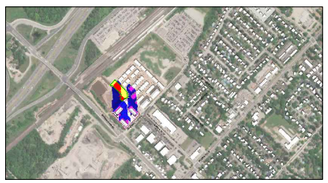
04:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 2835 m^2
AREA IN SHADOW: 0 m^2



12:00 PM
TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2
AREA EXPOSED TO SUNSHINE: 1233 m^2
AREA IN SHADOW: 1602 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: 1235 m^2
AREA IN SHADOW: 1600 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

STATION WEST 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

10 FEBRUARY 2023

A144 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 ($AS_{(TEST)}$).

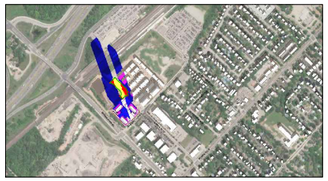
11:00 ($AS_{(TEST)}$) = 1363 m^2
12:00 ($AS_{(TEST)}$) = 112 m^2
13:00 ($AS_{(TEST)}$) = 2011 m^2
14:00 ($AS_{(TEST)}$) = 1680 m^2
15:00 ($AS_{(TEST)}$) = 2719 m^2

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

11:00-12:00 ($AS\ INTERVAL\text{-}11{:}00\text{-}12{:}00$) = (1363 m^2+112 m^2) ÷2 = 737.5 m^2
12:00 -13:00($AS\ INTERVAL\text{-}12{:}00\text{-}13{:}00$) = (112 m^2+2011 m^2) ÷2 = 1061.5 m^2
13:00 -14:00($AS\ INTERVAL\text{-}13{:}00\text{-}14{:}00$) = (2011 m^2+1680 m^2) ÷2 = 1845.5 m^2
14:00 -15:00($AS\ INTERVAL\text{-}14{:}00\text{-}15{:}00$) = (1680 m^2+2719 m^2) ÷2 = 2199.5 m^2

4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$)
= [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 5844 ÷ 4 = 1461 m^2

5. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 1461 m^2 ÷ 2835 m^2 = 0.51 m^2

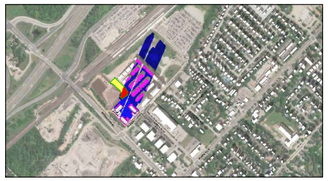


11:00 AM

TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2

AREA EXPOSED TO SUNSHINE: 1363 m^2

AREA IN SHADOW: 1472 m^2

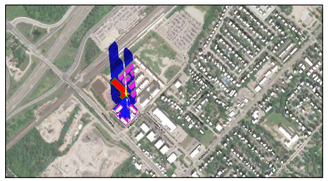


02:00 PM

TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2

AREA EXPOSED TO SUNSHINE: 1680 m^2

AREA IN SHADOW: 1155 m^2

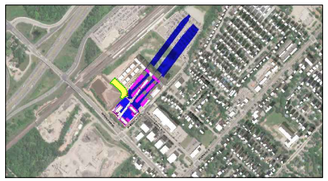


12:00 AM

TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2

AREA EXPOSED TO SUNSHINE: 112 m^2

AREA IN SHADOW: 2723 m^2

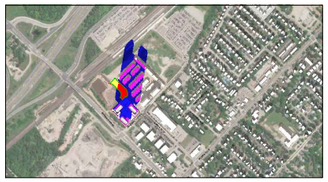


03:00 PM

TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2

AREA EXPOSED TO SUNSHINE: 2719 m^2

AREA IN SHADOW: 116 m^2



01:00 PM

TOTAL NEIGHBORHOOD PARK AREA: 2835 m^2

AREA EXPOSED TO SUNSHINE: 2011 m^2

AREA IN SHADOW: 824 m^2

STATION WEST 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

10 FEBRUARY 2023

A145 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 ($AS_{(TEST)}$) = 4029 m^2
10:00 ($AS_{(TEST)}$) = 4660 m^2
11:00 ($AS_{(TEST)}$) = 5105 m^2
12:00 ($AS_{(TEST)}$) = 5252 m^2
13:00 ($AS_{(TEST)}$) = 4803 m^2
14:00 ($AS_{(TEST)}$) = 4693 m^2
15:00 ($AS_{(TEST)}$) = 4946 m^2
16:00 ($AS_{(TEST)}$) = 4556 m^2
17:00 ($AS_{(TEST)}$) = 4641 m^2
18:00 ($AS_{(TEST)}$) = 4093 m^2

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

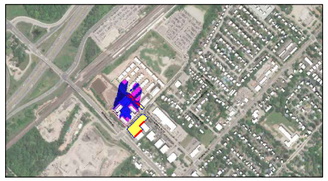
09:00-10:00 $_{(AS\ INTERVAL\text{-}9:00\text{-}10:00)}$) = (4029 m^2+4660 m^2) ÷2 = 4344.5 m^2
10:00-11:00 $_{(AS\ INTERVAL\text{-}10:00\text{-}11:00)}$) = (4660 m^2+5105 m^2)÷2 = 4882.5 m^2
11:00-12:00 $_{(AS\ INTERVAL\text{-}11:00\text{-}12:00)}$) = (5105 m^2+5252 m^2) ÷2= 5178.5 m^2
12:00 -13:00$_{(AS\ INTERVAL\text{-}12:00\text{-}13:00)}$) = (5252 m^2+4803 m^2)÷2 = 5027.5m^2
13:00 -14:00$_{(AS\ INTERVAL\text{-}13:00\text{-}14:00)}$) = (4803 m^2+4693 m^2) ÷2= 4748 m^2
14:00 -15:00$_{(AS\ INTERVAL\text{-}14:00\text{-}15:00)}$) = (4693 m^2+4946 m^2) ÷2= 4819.5 m^2
15:00 -16:00$_{(AS\ INTERVAL\text{-}15:00\text{-}16:00)}$) = (4946 m^2+4556 m^2) ÷2= 4751 m^2
16:00 -17:00$_{(AS\ INTERVAL\text{-}16:00\text{-}17:00)}$) = (4556 m^2+4641 m^2) ÷2= 4598.5 m^2
17:00 -18:00$_{(AS\ INTERVAL\text{-}17:00\text{-}18:00)}$) = (4641 m^2+4093 m^2) ÷2= 4367 m^2

4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$)
5. = [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 42717 ÷ 9 = 4746.3

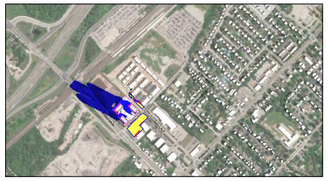
6. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 4746.3 m^2 ÷ 5522 m^2 = 0.85 m^2



09:00 AM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4029 m^2
AREA IN SHADOW: 1493 m^2



02:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4693 m^2
AREA IN SHADOW: 829 m^2



10:00 AM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4660 m^2
AREA IN SHADOW: 862 m^2



03:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4946 m^2
AREA IN SHADOW: 576 m^2



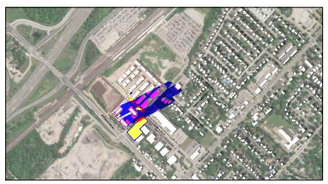
11:00 AM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 5105 m^2
AREA IN SHADOW: 417 m^2



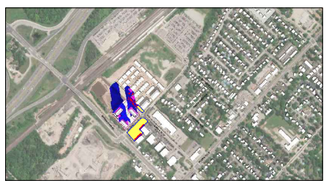
04:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4556 m^2
AREA IN SHADOW: 966 m^2



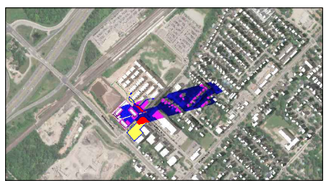
12:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 5252 m^2
AREA IN SHADOW: 270 m^2



05:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4641 m^2
AREA IN SHADOW: 881 m^2



01:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4803 m^2
AREA IN SHADOW: 719 m^2



06:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4093 m^2
AREA IN SHADOW: 1429 m^2

STATION WEST 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

10 FEBRUARY 2023

A146 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 JUNE 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 ($AS_{(TEST)}$).

08:00 ($AS_{(TEST)}$) = 4246 m^2
09:00 ($AS_{(TEST)}$) = 4605 m^2
10:00 ($AS_{(TEST)}$) = 4821 m^2
11:00 ($AS_{(TEST)}$) = 5287 m^2
12:00 ($AS_{(TEST)}$) = 5400 m^2
13:00 ($AS_{(TEST)}$) = 5231 m^2
14:00 ($AS_{(TEST)}$) = 5081 m^2
15:00 ($AS_{(TEST)}$) = 4696 m^2
16:00 ($AS_{(TEST)}$) = 4164 m^2
17:00 ($AS_{(TEST)}$) = 3323 m^2
18:00 ($AS_{(TEST)}$) = 3039 m^2
19:00 ($AS_{(TEST)}$) = 3124 m^2

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

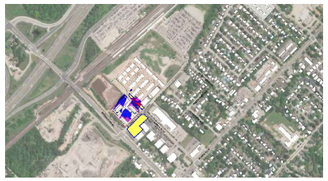
08:00-09:00 ($AS_{INTERVAL-9:00-10:00}$) = (4246 m^2+4605 m^2) ÷2 = 4425.5 m^2
09:00-10:00 ($AS_{INTERVAL-9:00-10:00}$) = (4605 m^2+4821 m^2) ÷2 = 4713 m^2
10:00-11:00 ($AS_{INTERVAL-10:00-11:00}$) = (4821 m^2+5287 m^2)÷2 = 5054 m^2
11:00-12:00 ($AS_{INTERVAL-11:00-12:00}$) = (5287 m^2+5400 m^2) ÷2= 5343.5 m^2
12:00 -13:00($AS_{INTERVAL-12:00-13:00}$) = (5400 m^2+5231 m^2)÷2 = 5315.5 m^2
13:00 -14:00($AS_{INTERVAL-13:00-14:00}$) = (5231 m^2+5081 m^2) ÷2= 5156.5 m^2
14:00 -15:00($AS_{INTERVAL-14:00-15:00}$) = (5081 m^2+4696 m^2) ÷2= 4888.5 m^2
15:00 -16:00($AS_{INTERVAL-15:00-16:00}$) = (4693 m^2+4164 m^2) ÷2= 4428.5 m^2
16:00 -17:00($AS_{INTERVAL-16:00-17:00}$) = (4164 m^2+3323 m^2) ÷2= 3743.5 m^2
17:00 -18:00($AS_{INTERVAL-17:00-18:00}$) = (3323 m^2+3039 m^2) ÷2= 3181 m^2
18:00 -19:00($AS_{INTERVAL-17:00-18:00}$) = (3039 m^2+3124 m^2) ÷2= 4367 m^2

4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$)
= [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 49331 ÷ 11 = 4484.6

5. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 4484.6 m^2 ÷ 5522 m^2 = 0.81 m^2



08:00 AM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4246 m^2
AREA IN SHADOW: 1276 m^2



02:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 5081 m^2
AREA IN SHADOW: 441 m^2



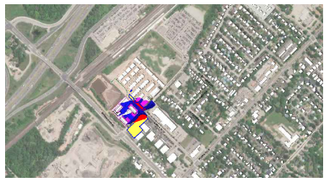
09:00 AM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4605 m^2
AREA IN SHADOW: 917 m^2



03:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4696 m^2
AREA IN SHADOW: 829 m^2



10:00 AM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4821 m^2
AREA IN SHADOW: 862 m^2



04:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4164 m^2
AREA IN SHADOW: 1358 m^2



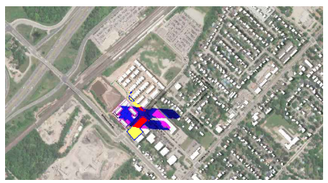
11:00 AM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 5287 m^2
AREA IN SHADOW: 235 m^2



05:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 3323 m^2
AREA IN SHADOW: 881 m^2



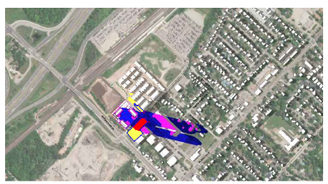
12:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 5400m^2
AREA IN SHADOW: 122 m^2



06:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 3039 m^2
AREA IN SHADOW: 2483 m^2



01:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 5231 m^2
AREA IN SHADOW: 291 m^2



06:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 3124 m^2
AREA IN SHADOW: 2398 m^2

STATION WEST 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

10 FEBRUARY 2023

A147 SHADOW STUDY

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

SUN ACCESS FACTOR CALCULATIONS SEPTEMBER 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 ($AS_{(TEST)}$).

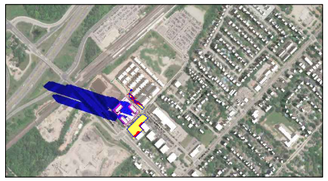
09:00 ($AS_{(TEST)}$) = 4042 m^2
10:00 ($AS_{(TEST)}$) = 4745 m^2
11:00 ($AS_{(TEST)}$) = 5105 m^2
12:00 ($AS_{(TEST)}$) = 5144 m^2
13:00 ($AS_{(TEST)}$) = 4775 m^2
14:00 ($AS_{(TEST)}$) = 4654 m^2
15:00 ($AS_{(TEST)}$) = 4700 m^2
16:00 ($AS_{(TEST)}$) = 4579 m^2
17:00 ($AS_{(TEST)}$) = 4584 m^2
18:00 ($AS_{(TEST)}$) = 4352 m^2

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

09:00-10:00 $_{(AS\ INTERVAL\text{-}9:00\text{-}10:00)}$) = (4042 m^2+4745 m^2) ÷2 = 4393.5 m^2
10:00-11:00 $_{(AS\ INTERVAL\text{-}10:00\text{-}11:00)}$) = (4745 m^2+5105 m^2)÷2 = 4925 m^2
11:00-12:00 $_{(AS\ INTERVAL\text{-}11:00\text{-}12:00)}$) = (5105 m^2+5144 m^2) ÷2= 5124.5 m^2
12:00 -13:00$_{(AS\ INTERVAL\text{-}12:00\text{-}13:00)}$) = (5144 m^2+4775 m^2)÷2 = 4959.5m^2
13:00 -14:00$_{(AS\ INTERVAL\text{-}13:00\text{-}14:00)}$) = (4775 m^2+4654 m^2) ÷2= 4714.5 m^2
14:00 -15:00$_{(AS\ INTERVAL\text{-}14:00\text{-}15:00)}$) = (4654 m^2+4700 m^2) ÷2= 4677 m^2
15:00 -16:00$_{(AS\ INTERVAL\text{-}15:00\text{-}16:00)}$) = (4700 m^2+4579 m^2) ÷2= 4639.5 m^2
16:00 -17:00$_{(AS\ INTERVAL\text{-}16:00\text{-}17:00)}$) = (4579 m^2+4584 m^2) ÷2= 4581.5 m^2
17:00 -18:00$_{(AS\ INTERVAL\text{-}17:00\text{-}18:00)}$) = (4584 m^2+4352 m^2) ÷2= 4468 m^2

4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$)
5. = [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 42483 ÷ 9 = 4720.33

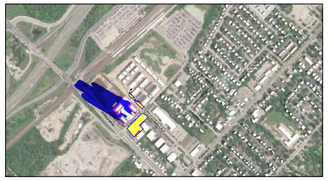
6. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 4720.33 m^2 ÷ 5522 m^2 = 0.85 m^2



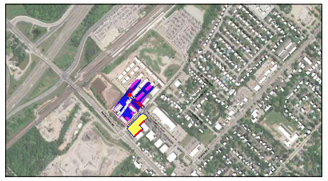
09:00 AM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4042 m^2
AREA IN SHADOW: 1480 m^2



02:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4654 m^2
AREA IN SHADOW: 868 m^2



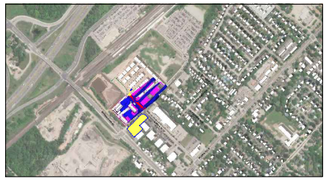
10:00 AM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4745 m^2
AREA IN SHADOW: 777 m^2



03:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4700 m^2
AREA IN SHADOW: 822 m^2



11:00 AM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 5105 m^2
AREA IN SHADOW: 417 m^2



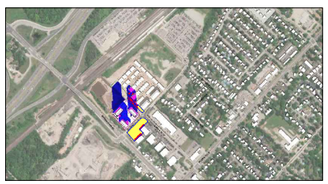
04:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4579 m^2
AREA IN SHADOW: 943 m^2



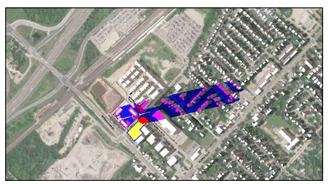
12:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 5144 m^2
AREA IN SHADOW: 378 m^2



05:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4584 m^2
AREA IN SHADOW: 938 m^2



01:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4775 m^2
AREA IN SHADOW: 747 m^2



06:00 PM
TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2
AREA EXPOSED TO SUNSHINE: 4352 m^2
AREA IN SHADOW: 1170 m^2

STATION WEST 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

10 FEBRUARY 2023

A148 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

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 ($AS_{(TEST)}$).

11:00 ($AS_{(TEST)}$) = 4411 m^2
12:00 ($AS_{(TEST)}$) = 4477 m^2
13:00 ($AS_{(TEST)}$) = 4497 m^2
14:00 ($AS_{(TEST)}$) = 4697 m^2
15:00 ($AS_{(TEST)}$) = 4562 m^2

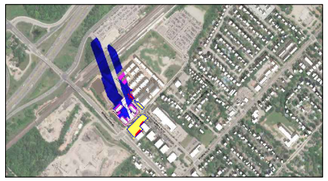
3. THE AVERAGE FOR THE NINE ONE-HOUR INTERVALS ($AS_{(INTERVAL)}$).

11:00-12:00 ($AS_{INTERVAL-10:00-11:00}$) = (4411 m^2+4477 m^2)÷2 = 4444 m^2
12:00-13:00 ($AS_{INTERVAL-11:00-12:00}$) = (4477 m^2+4497 m^2) ÷2= 4487 m^2
13:00 -14:00($AS_{INTERVAL-12:00-13:00}$) = (4497 m^2+4697 m^2)÷2 = 4597 m^2
14:00 -15:00($AS_{INTERVAL-13:00-14:00}$) = (4697 m^2+4562 m^2) ÷2= 4629.5 m^2

4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$) =18157.5

5. = [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 18157.5 ÷ 4 = 4539.37

6. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 4539.37 m^2 ÷ 5522 m^2 = 0.82 m^2

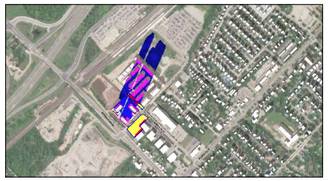


11:00 AM

TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2

AREA EXPOSED TO SUNSHINE: 4411 m^2

AREA IN SHADOW: 1111 m^2

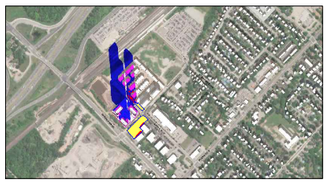


02:00 PM

TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2

AREA EXPOSED TO SUNSHINE: 4697 m^2

AREA IN SHADOW: 825 m^2



12:00 AM

TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2

AREA EXPOSED TO SUNSHINE: 4477 m^2

AREA IN SHADOW: 1045 m^2

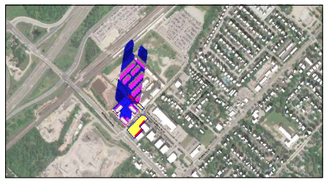


03:00 PM

TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2

AREA EXPOSED TO SUNSHINE: 4562 m^2

AREA IN SHADOW: 960 m^2



01:00 AM

TOTAL OPPOSITE BOULEVARD AREA: 5522 m^2

AREA EXPOSED TO SUNSHINE: 4497 m^2

AREA IN SHADOW: 1025 m^2

STATION WEST 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

10 FEBRUARY 2023

A149

SHADOW STUDY

COREARCHITECTS

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

SUN ACCESS FACTOR CALCULATIONS MARCH 21

PRIVATE OUTDOOR AMENITY AREA- RESIDENTIAL REAR YARD

1. TOTAL AREA OF OPPOSITE BOULEVARD (A_T) = 3754 m^2

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

09:00 ($AS_{(TEST)}$) = 406 m^2
10:00 ($AS_{(TEST)}$) = 1393 m^2
11:00 ($AS_{(TEST)}$) = 1721 m^2
12:00 ($AS_{(TEST)}$) = 1945 m^2
13:00 ($AS_{(TEST)}$) = 1693 m^2
14:00 ($AS_{(TEST)}$) = 1321 m^2
15:00 ($AS_{(TEST)}$) = 1014 m^2
16:00 ($AS_{(TEST)}$) = 1088 m^2
17:00 ($AS_{(TEST)}$) = 1052 m^2
18:00 ($AS_{(TEST)}$) = 1426 m^2

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

09:00-10:00 ($AS_{INTERVAL-9:00-10:00}$) = (406 m^2+1393 m^2) ÷2 = 899.5 m^2
10:00-11:00 ($AS_{INTERVAL-10:00-11:00}$) = (1393 m^2+1721 m^2)÷2 = 1557 m^2
11:00-12:00 ($AS_{INTERVAL-11:00-12:00}$) = (1721 m^2+1945 m^2) ÷2= 1833 m^2
12:00 -13:00($AS_{INTERVAL-12:00-13:00}$) = (1945 m^2+1693 m^2)÷2 = 1819 m^2
13:00 -14:00($AS_{INTERVAL-13:00-14:00}$) = (1693 m^2+ 1321 m^2) ÷2= 1507 m^2
14:00 -15:00($AS_{INTERVAL-14:00-15:00}$) = (1321 m^2+ 1014 m^2) ÷2= 1167.5 m^2
15:00 -16:00($AS_{INTERVAL-15:00-16:00}$) = (1047 m^2+1088 m^2) ÷2= 1067.5 m^2
16:00 -17:00($AS_{INTERVAL-16:00-17:00}$) = (1088 m^2+1052 m^2) ÷2= 1070 m^2
17:00 -18:00($AS_{INTERVAL-17:00-18:00}$) = (1052 m^2+1426 m^2) ÷2= 1239 m^2

4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$)
= [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 12159.5 ÷ 9 = 1351.05

5. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 1351.05 m2 ÷ 3754 m^2 = 0.35 m^2



09:00 AM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 406 m^2
AREA IN SHADOW: 3348 m^2



02:00 PM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1321 m^2
AREA IN SHADOW: 2433m^2



10:00 AM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1393 m^2
AREA IN SHADOW: 2361 m^2



03:00 PM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1014 m^2
AREA IN SHADOW: 2740 m^2



11:00 AM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1721 m^2
AREA IN SHADOW: 2033 m^2



04:00 PM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1088 m^2
AREA IN SHADOW: 2666 m^2



12:00 PM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1945 m^2
AREA IN SHADOW: 1809 m^2



05:00 PM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1052 m^2
AREA IN SHADOW: 2702 m^2



01:00 PM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1693 m^2
AREA IN SHADOW: 2061 m^2



06:00 PM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1426 m^2
AREA IN SHADOW: 2328 m^2

STATION WEST 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

10 FEBRUARY 2023

A150 SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
180 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 848 0400 • F +1 416 848 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM

SUN ACCESS FACTOR CALCULATIONS JUNE 21

PRIVATE OUTDOOR AMENITY AREA- RESIDENTIAL REAR YARD

1. TOTAL AREA OF OPPOSITE BOULEVARD (A_T) = 3754 m^2

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

08:00 ($AS_{(TEST)}$) = 1473 m^2
09:00 ($AS_{(TEST)}$) = 1539 m^2
10:00 ($AS_{(TEST)}$) = 1622 m^2
11:00 ($AS_{(TEST)}$) =1779 m^2
12:00 ($AS_{(TEST)}$) = 2322 m^2
13:00 ($AS_{(TEST)}$) = 2873m^2
14:00 ($AS_{(TEST)}$) = 3040 m^2
15:00 ($AS_{(TEST)}$) = 3114 m^2
16:00 ($AS_{(TEST)}$) = 3054 m^2
17:00 ($AS_{(TEST)}$) = 2767 m^2
18:00 ($AS_{(TEST)}$) = 2108 m^2
19:00 ($AS_{(TEST)}$) = 1381 m^2

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

08:00-09:00 ($AS_{INTERVAL-9:00-10:00}$) = (1473 m^2+1539m^2) ÷2 = 1507 m^2
09:00-10:00 ($AS_{INTERVAL-9:00-10:00}$) = (1539 m^2+1622 m^2) ÷2 = 1580.5^2
10:00-11:00 ($AS_{INTERVAL-10:00-11:00}$) = (1622 m^2+1779 m^2)÷2 = 1700.5^2
11:00-12:00 ($AS_{INTERVAL-11:00-12:00}$) = (1779 m^2+2322 m^2) ÷2= 2050.5^2
12:00 -13:00($AS_{INTERVAL-12:00-13:00}$) = (2322 m^2+ 2873 m^2)÷2 = 2614 m^2
13:00 -14:00($AS_{INTERVAL-13:00-14:00}$) = (2873 m^2+ 3040 m^2) ÷2= 2956.5 m^2
14:00 -15:00($AS_{INTERVAL-14:00-15:00}$) = (3040 m^2+ 3114 m^2) ÷2= 3077 m^2
15:00 -16:00($AS_{INTERVAL-15:00-16:00}$) = (3114 m^2+3054 m^2) ÷2= 3084 m^2
16:00 -17:00($AS_{INTERVAL-16:00-17:00}$) = (3054 m^2+2767 m^2) ÷2= 2910.5^2
17:00 -18:00($AS_{INTERVAL-17:00-18:00}$) = (2767 m^2+2108 m^2) ÷2= 2437.5^2
18:00 -19:00($AS_{INTERVAL-17:00-18:00}$) = (2108 m^2+1381 m^2) ÷2= 1744.5^2

4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$)
= [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 25662.5 ÷ 11 = 2332.95

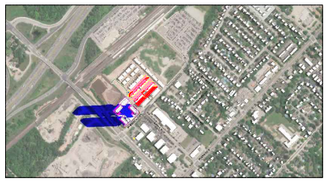
5. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 2332.95m2 ÷ 3754 m^2 = 0.62m^2



08:00 AM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1473 m^2
AREA IN SHADOW: 2281 m^2



02:00 PM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 3040 m^2
AREA IN SHADOW: 714 m^2



09:00 AM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1539 m^2
AREA IN SHADOW: 2215 m^2



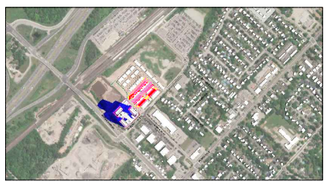
03:00 PM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 3114 m^2
AREA IN SHADOW: 640 m^2



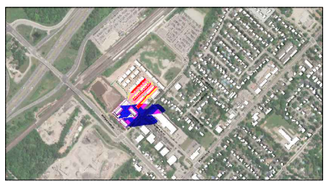
10:00 AM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1622 m^2
AREA IN SHADOW: 2132 m^2



04:00 PM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 3054 m^2
AREA IN SHADOW: 700 m^2



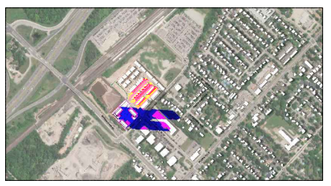
11:00 AM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1779 m^2
AREA IN SHADOW: 1975 m^2



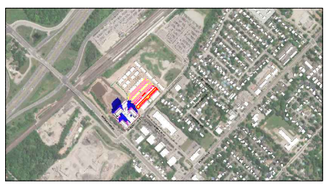
05:00 PM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 2767 m^2
AREA IN SHADOW: 978 m^2



12:00 PM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 2322 m^2
AREA IN SHADOW: 1432 m^2



06:00 PM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 2108 m^2
AREA IN SHADOW: 1637 m^2



01:00 PM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 2873 m^2
AREA IN SHADOW: 881 m^2



07:00 PM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1381 m^2
AREA IN SHADOW: 2373 m^2

STATION WEST 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

10 FEBRUARY 2023

A151 SHADOW STUDY

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

SUN ACCESS FACTOR CALCULATIONS SEPTEMBER 21

PRIVATE OUTDOOR AMENITY AREA- RESIDENTIAL REAR YARD

1. TOTAL AREA OF OPPOSITE BOULEVARD (A_T) = 3754 m^2

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

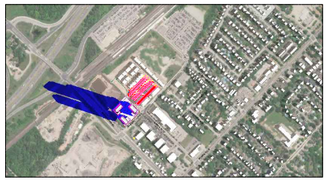
09:00 ($AS_{(TEST)}$) = 410 m^2 14:00 ($AS_{(TEST)}$) = 1125 m^2
10:00 ($AS_{(TEST)}$) = 1432 m^2 15:00 ($AS_{(TEST)}$) = 850 m^2
11:00 ($AS_{(TEST)}$) = 1747 m2 16:00 ($AS_{(TEST)}$) = 986 m^2
12:00 ($AS_{(TEST)}$) = 1909 m^2 17:00 ($AS_{(TEST)}$) = 1326 m^2
13:00 ($AS_{(TEST)}$) = 1427 m2 18:00 ($AS_{(TEST)}$) = 1412 m^2

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

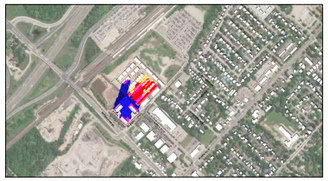
09:00-10:00 $_{(AS\ INTERVAL\text{-}9:00\text{-}10:00)}$) = (410$m^2$+1432) ÷2 = 921
10:00-11:00 $_{(AS\ INTERVAL\text{-}10:00\text{-}11:00)}$) = (1432 m^2+1747m^2)÷2 = 1589.5 m^2
11:00-12:00 $_{(AS\ INTERVAL\text{-}11:00\text{-}12:00)}$) = (1747+1909 m^2) ÷2= 1828
12:00 -13:00$_{(AS\ INTERVAL\text{-}12:00\text{-}13:00)}$) = (1909$m^2$+1427 m^2)÷2 = 1668 m^2
13:00 -14:00$_{(AS\ INTERVAL\text{-}13:00\text{-}14:00)}$) = (1427 m^2+1125 m^2) ÷2= 4887.5 m^2
14:00 -15:00$_{(AS\ INTERVAL\text{-}14:00\text{-}15:00)}$) = (1125 m^2+850m^2) ÷2= 987.5 m^2
15:00 -16:00$_{(AS\ INTERVAL\text{-}15:00\text{-}16:00)}$) = (850 m^2+986 m^2) ÷2= 918 m^2
16:00 -17:00$_{(AS\ INTERVAL\text{-}16:00\text{-}17:00)}$) = (986 m^2+1326 m^2) ÷2= 1156 m^2
17:00 -18:00$_{(AS\ INTERVAL\text{-}17:00\text{-}18:00)}$) = (1326 m^2+1412 m^2) ÷2= 1369 m^2

4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$)
= [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 15324.5 ÷ 9 = 1702.7

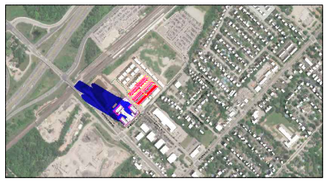
5. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 1702.7 m2 ÷ 3754 m^2 = 0.45 m^2



09:00 AM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 410 m^2
AREA IN SHADOW: 3344 m^2



02:00 PM
TOTAL ADJACENT RESIDENTIA AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1125 m^2
AREA IN SHADOW: 2629 m^2



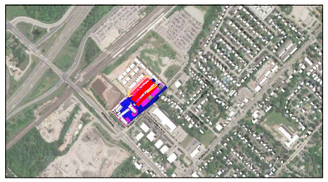
10:00 AM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1432 m^2
AREA IN SHADOW: 2322 m^2



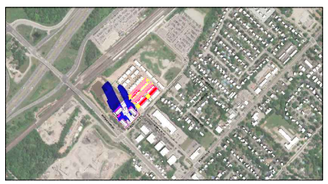
03:00 PM
TOTAL ADJACENT RESIDENTIA AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 850 m^2
AREA IN SHADOW: 2904 m^2



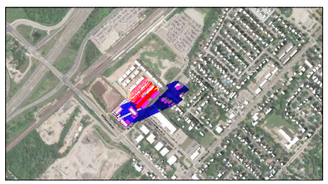
11:00 AM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1747 m^2
AREA IN SHADOW: 2007 m^2



04:00 PM
TOTAL ADJACENT RESIDENTIA AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 986 m^2
AREA IN SHADOW: 2768 m^2



12:00 PM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1909 m^2
AREA IN SHADOW: 1845 m^2



05:00 PM
TOTAL ADJACENT RESIDENTIA AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1326 m^2
AREA IN SHADOW: 2428 m^2



01:00 PM
TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1427 m^2
AREA IN SHADOW: 2327 m^2



06:00 PM
TOTAL ADJACENT RESIDENTIA AMENITY SPACE: 3754 m^2
AREA EXPOSED TO SUNSHINE: 1412 m^2
AREA IN SHADOW: 2342 m^2

STATION WEST 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

10 FEBRUARY 2023

A152 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 DECEMBER 21

PRIVATE OUTDOOR AMENITY AREA- RESIDENTIAL REAR YARD

1. TOTAL AREA OF OPPOSITE BOULEVARD (A_T) = 6491 m^2

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

11:00 ($AS_{(TEST)}$) = 1473 m^2 14:00 ($AS_{(TEST)}$) = 808 m^2
12:00 ($AS_{(TEST)}$) = 1713 m^2 15:00 ($AS_{(TEST)}$) = 2016 m^2
13:00 ($AS_{(TEST)}$) = 943 m^2

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

11:00-12:00 ($AS\ INTERVAL\text{-}10{:}00\text{-}11{:}00$) = (1473 m^2+1713m^2)÷2 = 1593 m^2
12:00-13:00 ($AS\ INTERVAL\text{-}11{:}00\text{-}12{:}00$) = (1713 + 943 m^2) ÷2= 1328 m2
13:00 -14:00($AS\ INTERVAL\text{-}12{:}00\text{-}13{:}00$) = (943 m^2+ 808 m^2)÷2 = 875.5 m^2
14:00 -15:00($AS\ INTERVAL\text{-}13{:}00\text{-}14{:}00$) = (808 m^2+2016 m^2) ÷2= 1412 m^2

4. THE OVERALL AVERAGE AREA IN SUNSHINE ($AS_{(AVERAGE)}$)
= [SUM OF ($AS_{(INTERVAL)}$)] ÷ [# OF INTERVALS] = 5208.5 ÷ 4 = 1302.125

5. SAF= ($AS_{(AVERAGE)}$) ÷ (A_T) = 1302.125 m2 ÷ 6491 m^2 = 0.20 m^2



11:00 AM

TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 6491 m^2

AREA EXPOSED TO SUNSHINE: 1473 m^2

AREA IN SHADOW: 5018 m^2



14:00 PM

TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 6491 m^2

AREA EXPOSED TO SUNSHINE: 808 m^2

AREA IN SHADOW: 3584m^2



12:00 AM

TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 6491 m^2

AREA EXPOSED TO SUNSHINE: 1713 m^2

AREA IN SHADOW: 4778 m^2

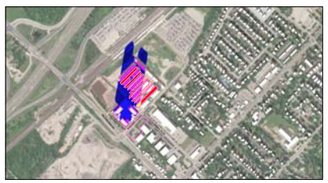


15:00 PM

TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 6491 m^2

AREA EXPOSED TO SUNSHINE: 2016 m^2

AREA IN SHADOW: 4475 m^2



13:00 AM

TOTAL ADJACENT RESIDENTIAL AMENITY SPACE: 6491 m^2

AREA EXPOSED TO SUNSHINE: 943 m^2

AREA IN SHADOW: 5548 m^2

STATION WEST 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

10 FEBRUARY 2023

A153
SHADOW STUDY

COREARCHITECTS
CORE ARCHITECTS INC.
130 QUEENS QUAY EAST, SUITE 700, WEST TOWER
TORONTO, ON CANADA M5A 0P6
T +1 416 848 0400 • F +1 416 848 0401
INFO@COREARCHITECTS.COM
WWW.COREARCHITECTS.COM