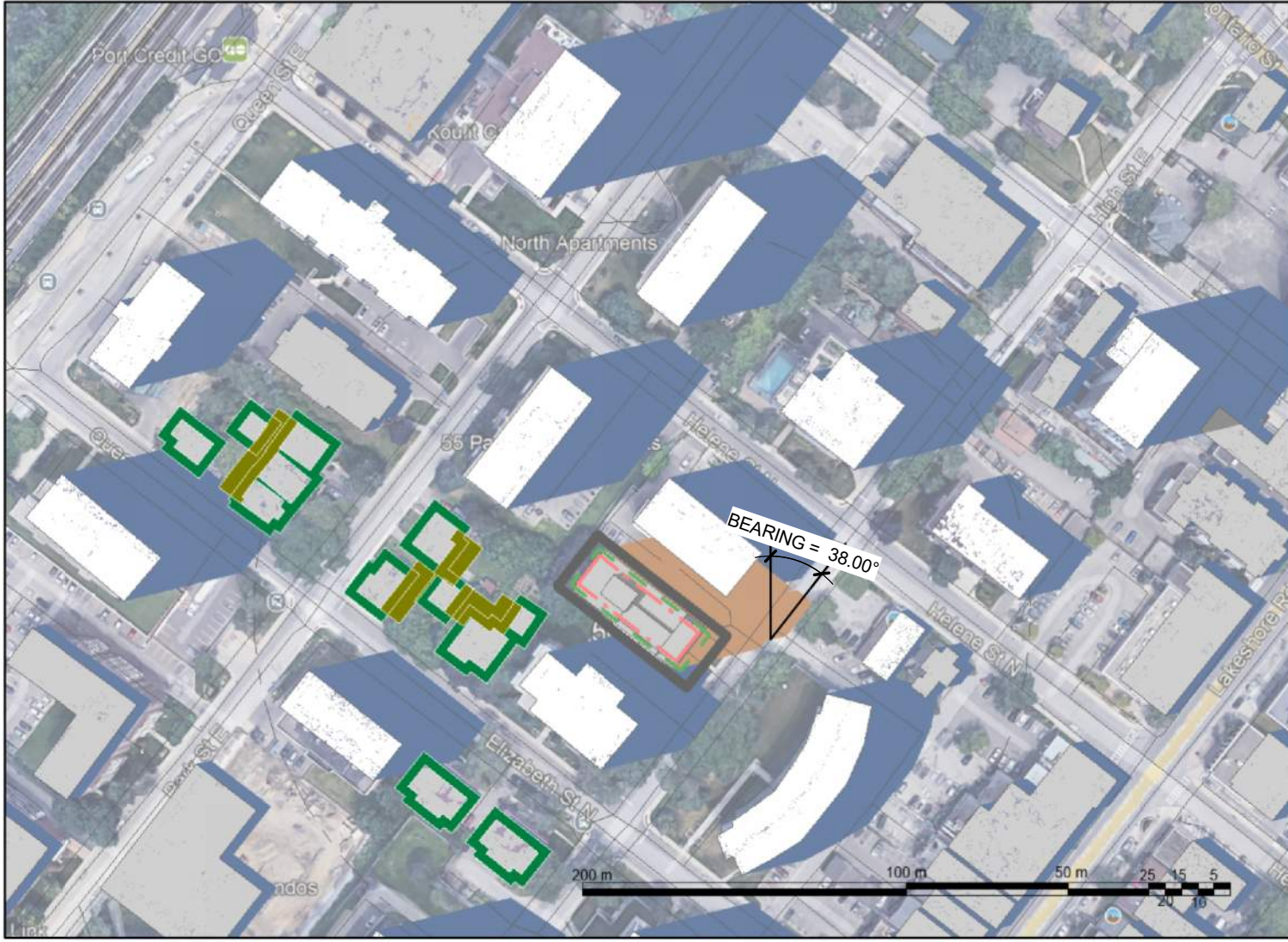
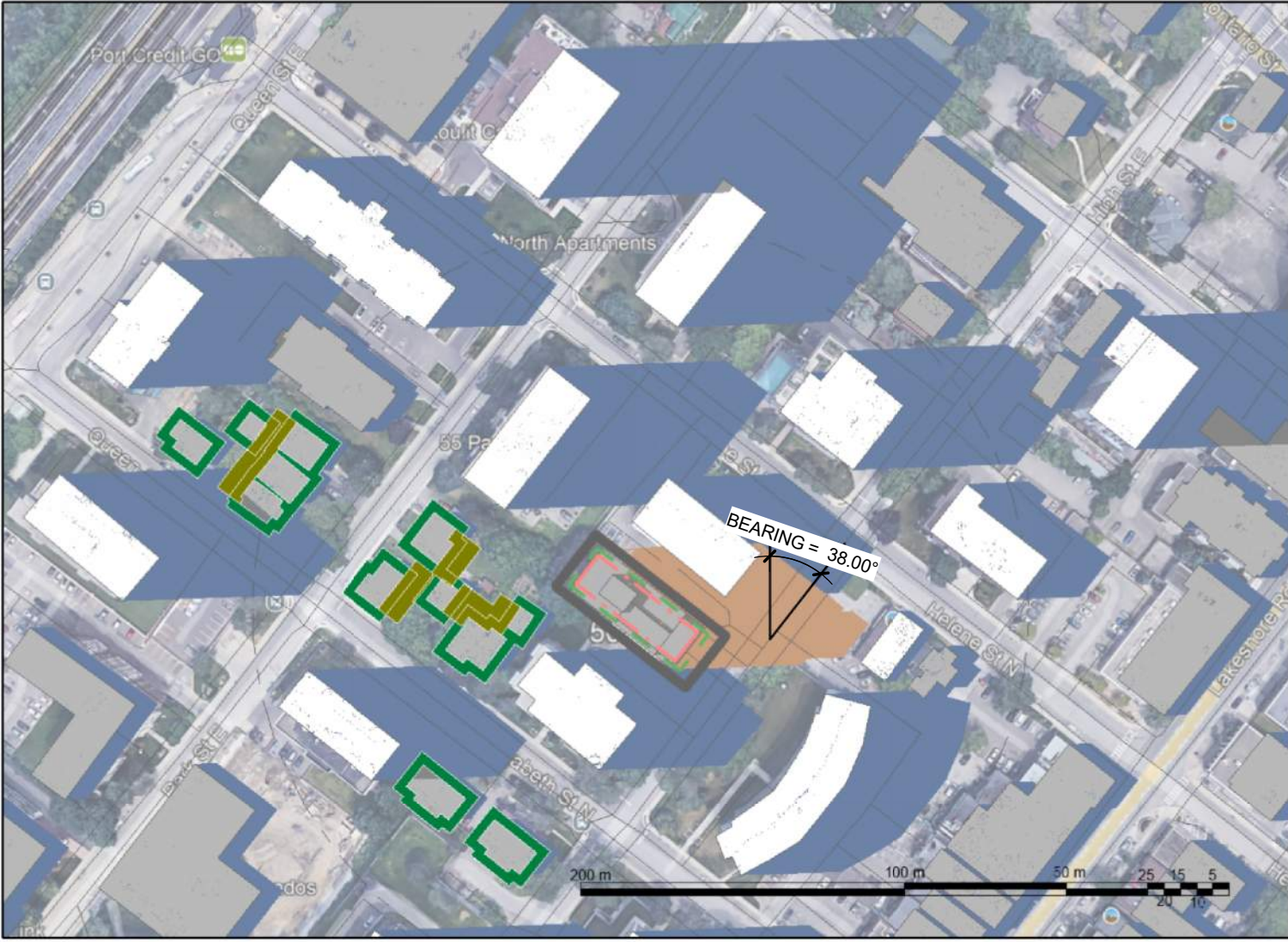




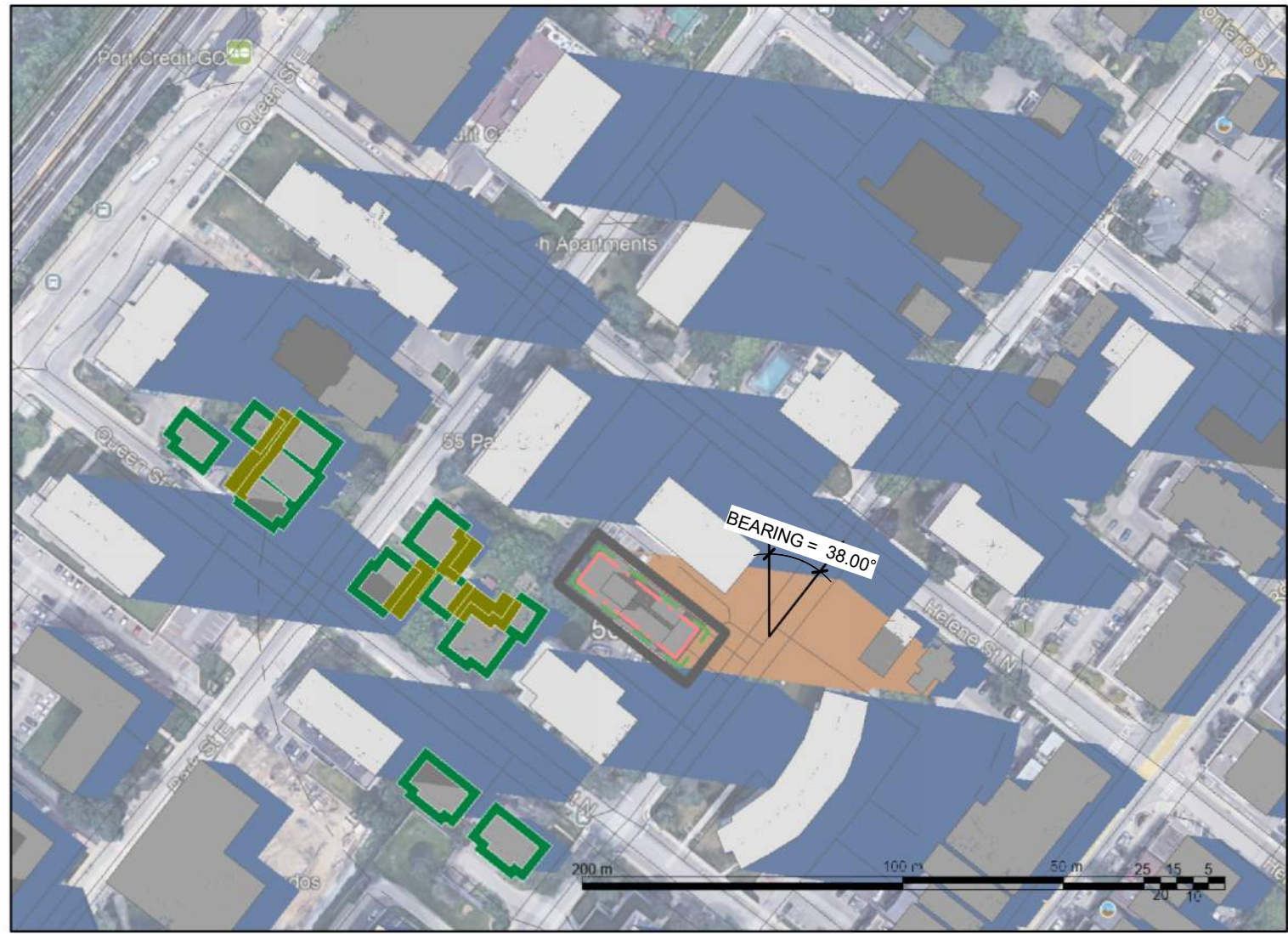
010 - JUN 21 - 15_20 PM



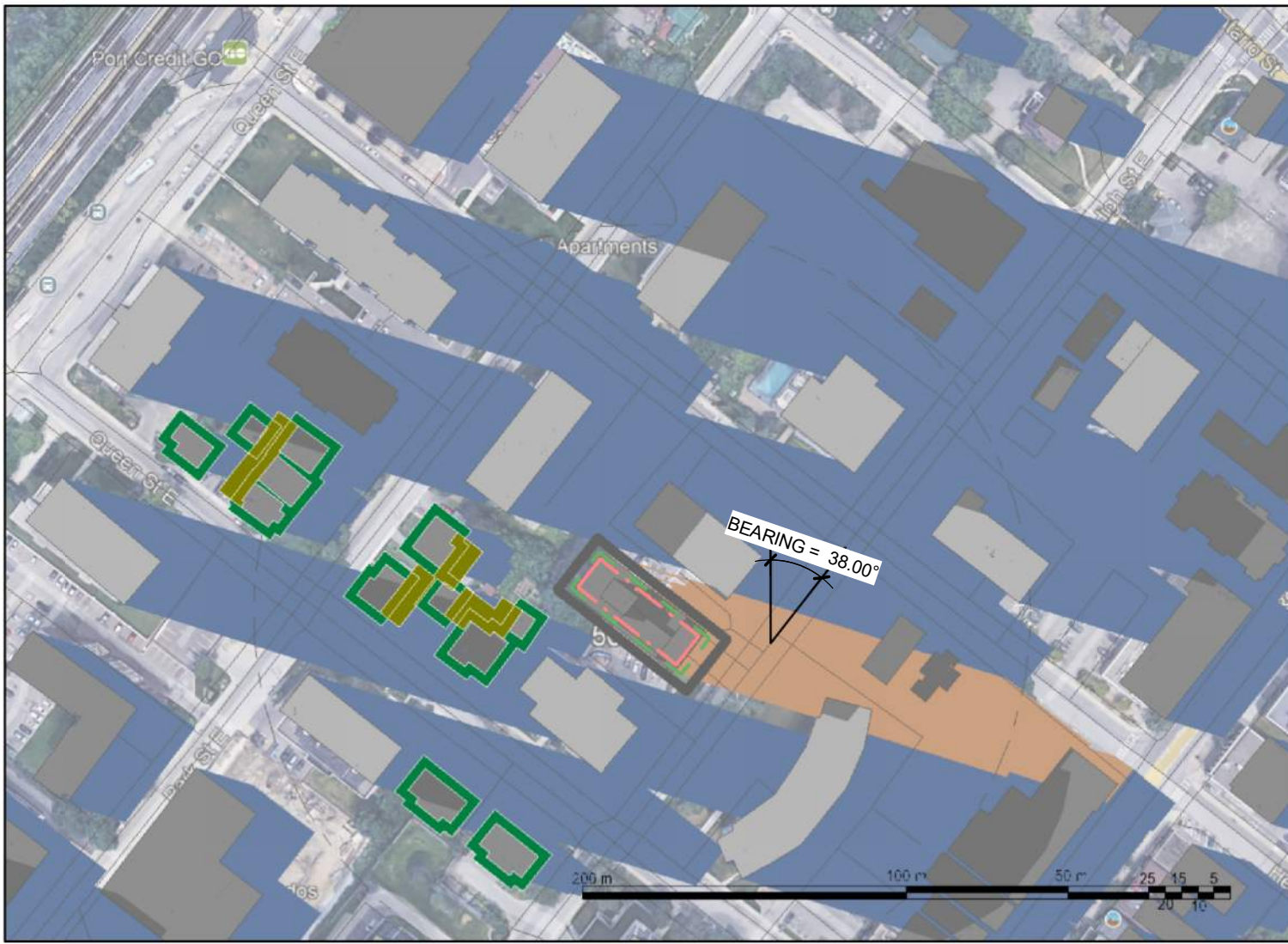
011 - JUN 21 - 16_20 PM



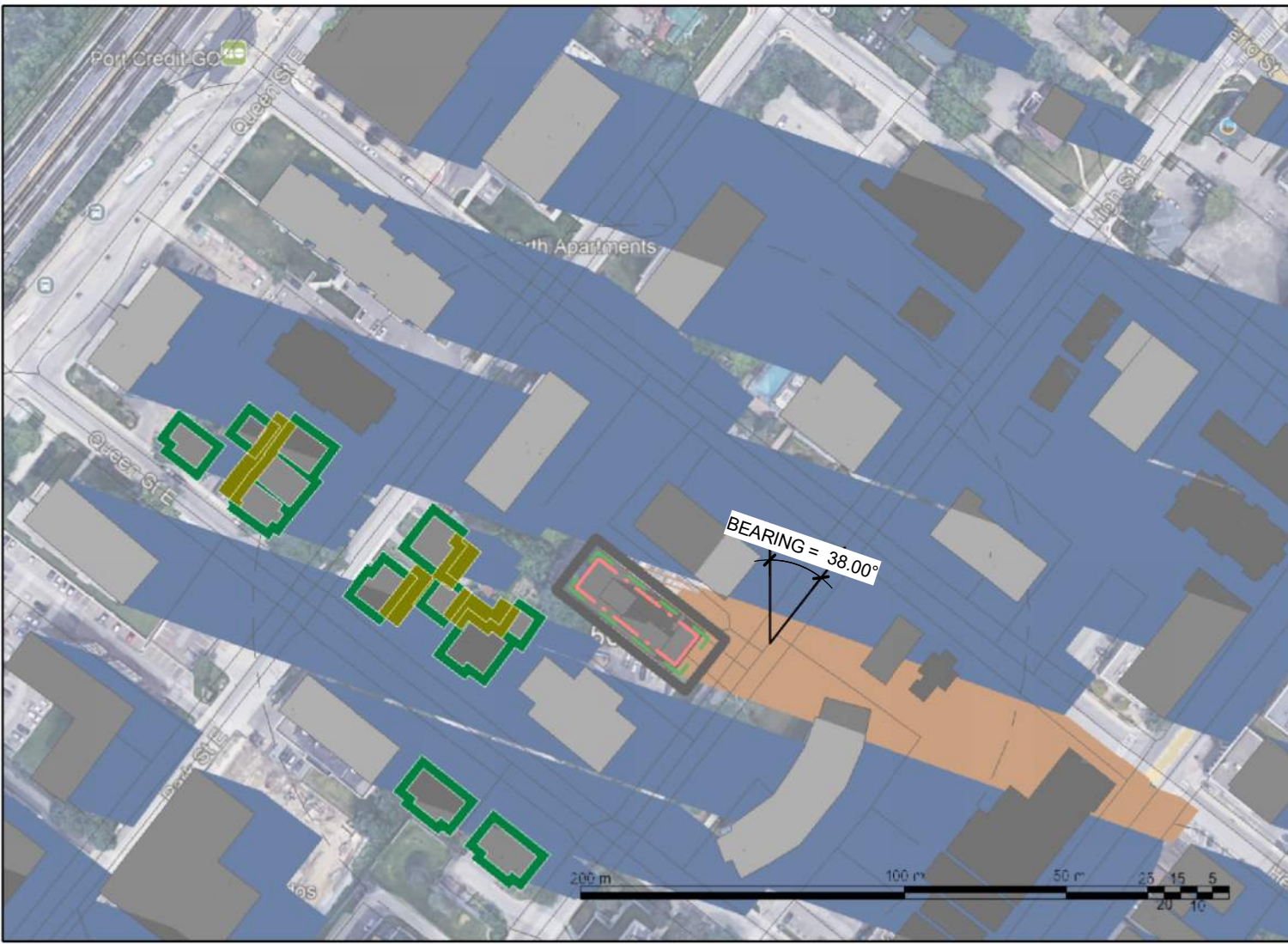
011 - JUN 21 - 17_20 PM



013 - JUN 21 - 18_20 PM



014 - JUN 21 - 19_20 PM



015 - JUN 21 - 19_33 PM



SITE LATITUDE: 43.554431

ASTRONOMIC NORTH:
DETERMINED FROM SURVEY

ORIGIN/SOURCE OF BASE PLAN:
SURVEY

LOCATIONS/USES OF AREAS NOT MEETING THE
SHADOW IMPACT CRITERIA:



1- RESIDENTIAL PRIVATE OUTDOOR AMENITY
SPACES 7.5M BUFFER: SHADOW PERSISTS FOR
MORE THAN 2 CONSECUTIVE HOURLY TEST TIMES
(ON SEPT 21 AND JUNE 21).

QUANTIFICATION AND ASSESSMENT OF THE
IMPACT IN THE AREAS THAT DO NOT MEET THE
SHADOW IMPACT CRITERIA

1- AREA ALREADY SHADED BY EXISTING
BUILDINGS

SUMMARY:

- THE SHADOW STUDY FOR 50 HIGH STREET E
DEMONSTRATES FULL COMPLIANCE WITH THE
CITY OF MISSISSAUGA'S SHADOW IMPACT
CRITERIA. ADJACENT PRIVATE AMENITY SPACES,
COMMUNAL AREAS, PUBLIC SIDEWALKS,
PARKS, AND LOW-RISE RESIDENTIAL FAÇADES
ALL MEET REQUIRED SUNLIGHT THRESHOLDS
ON JUNE 21, SEPTEMBER 21, AND DECEMBER 21.
- TO MINIMIZE SHADOW IMPACTS, THE BUILDING
DESIGN INCORPORATES UPPER-STOREY STEP-
BACKS, REDUCED HEIGHTS NEAR SENSITIVE
AREAS, AND OPTIMIZED MASSING TO PRESERVE
SUN ACCESS FOR KEY OUTDOOR SPACES.

COLOR LEGEND

- PROPOSED BUILDING SHADOW
- EXISTING BUILDING SHADOW
- LOW RISE BUILDING 3M BUFFER
- RESIDENTIAL PRIVATE OUTDOOR
AMENITY SPACES 7.5M BUFFER



Chamberlain Architect
Services Limited

4871 Palladium Way (Unit 1)
Burlington, Ontario. L7M 0W9
CANADA

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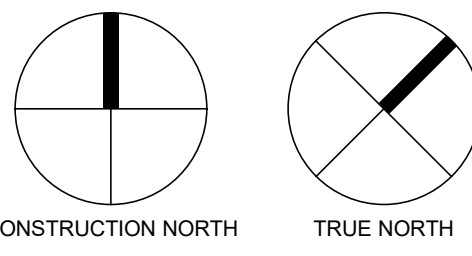
NO. ISSUED DATE

DO NOT SCALE DRAWINGS. USE ONLY DRAWINGS
MARKED "ISSUED FOR CONSTRUCTION". VERIFY
CONFIGURATIONS AND DIMENSIONS ON SITE BEFORE
BEGINNING WORK. NOTIFY ARCHITECT IMMEDIATELY
OF ANY ERRORS, OMISSIONS OR DISCREPANCIES.

CHAMBERLAIN ARCHITECT SERVICES LIMITED AND
CHAMBERLAIN CONSTRUCTION SERVICES LIMITED
HAVE SIMILAR OWNERSHIP.

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HAS COPYRIGHT. CONSTRUCTING A SUBSTANTIALLY
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INFRINGE THE COPYRIGHT OWNERS RIGHTS.
MAKING MINOR CHANGES TO PLANS DOES NOT
NECESSARILY AVOID COPYRIGHT INFRINGEMENT.
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SEAL



50 High Street
Affordable

50 High Street E,
Mississauga

SHEET NAME

SHADOW STUDY -
JUN 21

START DATE April 2025

DRAWN BY MK

CHECKED BY SM

SCALE As indicated

PROJECT NO. 125021

DRAWING

A.004