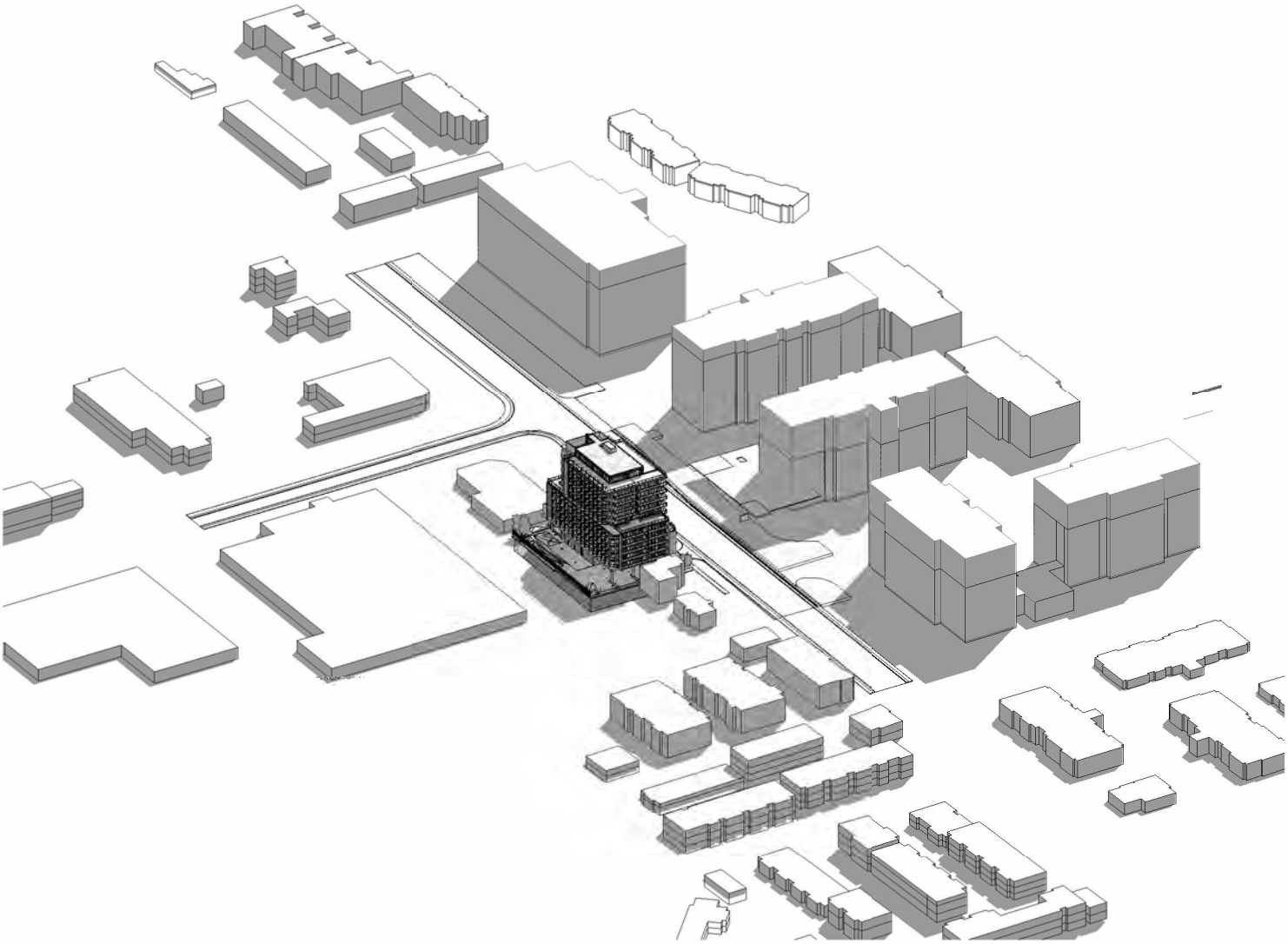


141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

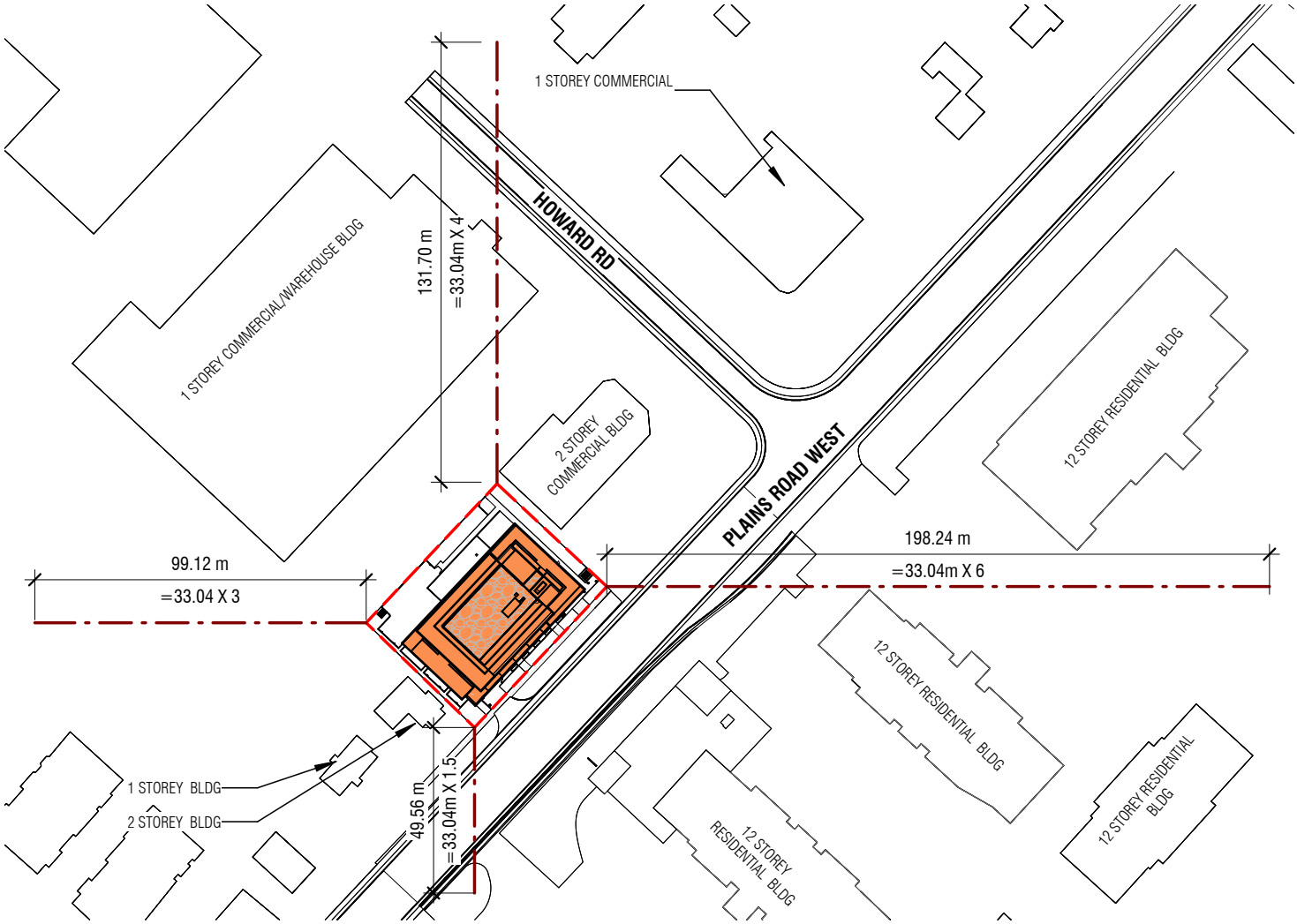
SHADOW STUDY PREPARED BY:

AAA ARCHITECTS INC.

130 QUEENS QUAY EAST

TORONTO ONTARIO

SSC	TITLE PAGE



1 CONTEXT PLAN
SCALE: 1 : 2000

NOTES:

1. **BUILDING HEIGHT IS 36.9m.**
2. **STUDY AREA INCLUDES A MININMUM COVERAGE AREA OF**
   - **A. 4 TIMES BUILDING HEIGHT TO THE NORTH (33.9 X 4 = 135.6)**
   - **B. 6 TIMES BUILDING HEIGHT TO THE EAST (33.9 X 6 = 203.4m)**
   - **C. 3 TIMES BUILDING HEIGHT TO THE WEST (33.9 X 3 = 101.7m)**
   - **D. 1.5 TIMES BUILDING HEIGHT TO THE SOUTH (33.9 X 1.5) = 50.85m)**
3. **PUBLIC REALM SPACE AFFECTED BY PROPOSED NET NEW SHADOWS CONSISTS OF SIDEWALK ON THE SOUTH SIDE OF PLAINS ROAD OPPOSITE THE BUILDING.**
4. **EXISTING ADJACENT BUILDING FOOTPRINTS TAKEN FROM PUBLICALLY AVAILABLE GIS DATA AND HEIGHTS APPROIXMATED FROM GOOGLE STREETVIEW AND IN-PERSON SITE VISITS.**
5. **SHADOW STUDY WAS PREPARED AUTODESK REVIT. PARAMETERS INCLUDED IN MODEL INCLUDE:**
   - **A. LOCATION OF SITE LAT/LONG USING SURVEY DATA PROVIDED BY J.D. BARNES AND ASSOCIATES DATED JULY 25, 2022.**
   - **B. ELEVATION DATA IS RELATED TO GEODETIC DATUM AND ARE DERIVED FROM THE CITY OF BURLINGTON BENCHMARKS**
     - **a. No. 463 WITH A KNOWN ELEVATION OF 90.035m**
     - **b. No. 467 WITH A KNOWN ELEVATION OF 107.624m**

CONCLUSION:

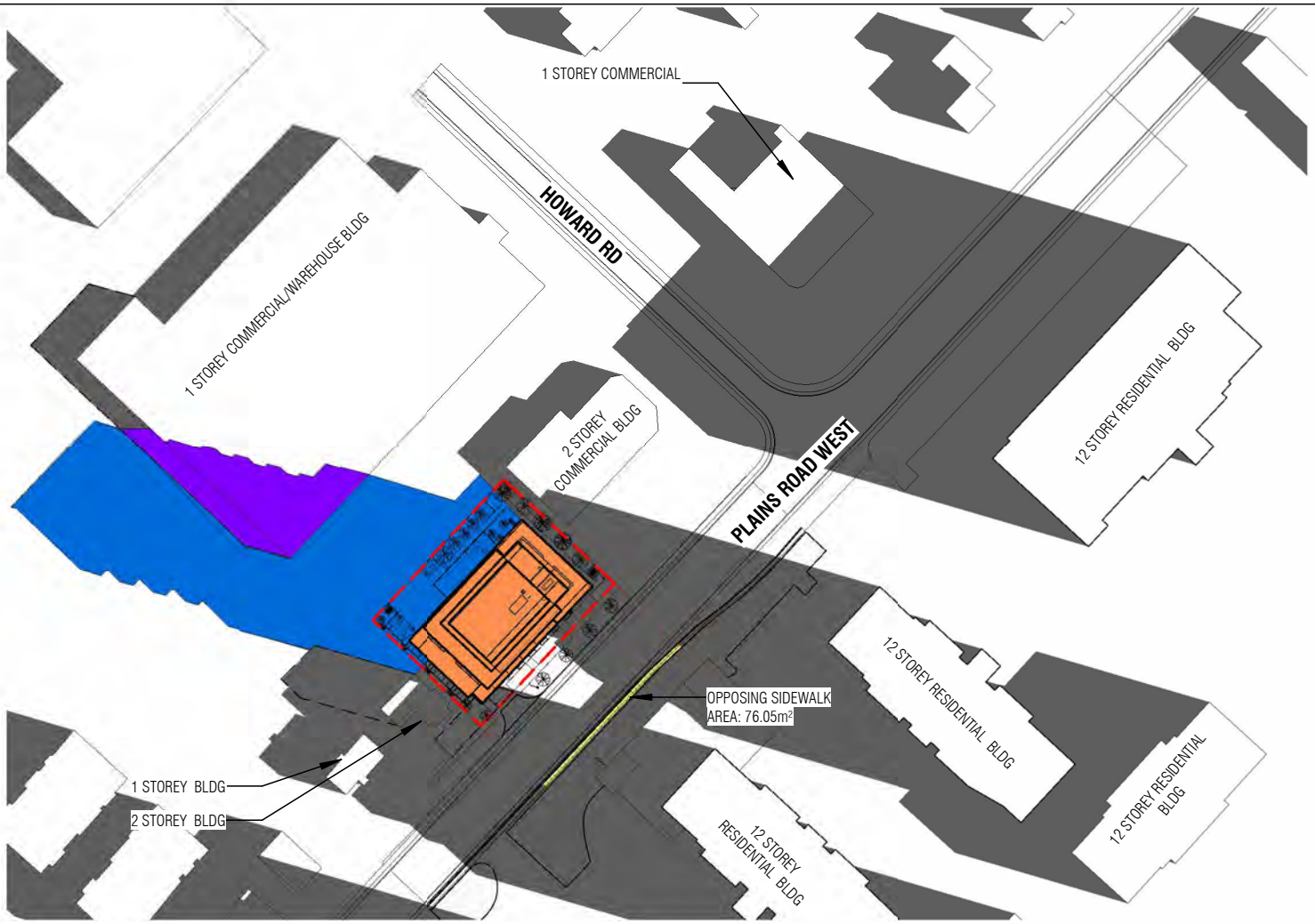
- ON MARCH 21st *(SEE SHEETS SS01 TO SS10) THERE IS NO ADDITIONAL NEW NET SHADOW IMPACT ON THE SIDEWALK ON THE OPPOSITE SIDE OF THE STREET FROM THE PROPOSED DWELLING.*
- *THERE IS NO PARK OR GREEN SPACES WITHIN THE STUDY AREA.*
- *THERE IS NO PRIVATE RESIDENTIAL AREA THAT WILL BE IMPACTED IN THE STUDY AREA.*
- *THE PROJECT APPEARS TO BE IN CONFORMANCE WITH THE THE CITY OF BURLINGTONS SUN/SHADOW STUDYREQUIREMENTS.*

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS00 CONTEXT PLAN

2024-09-12 9:29:57 AM



Scale 1 : 2000

1 MARCH 21ST - 0900
SCALE: 1 : 2000

N

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

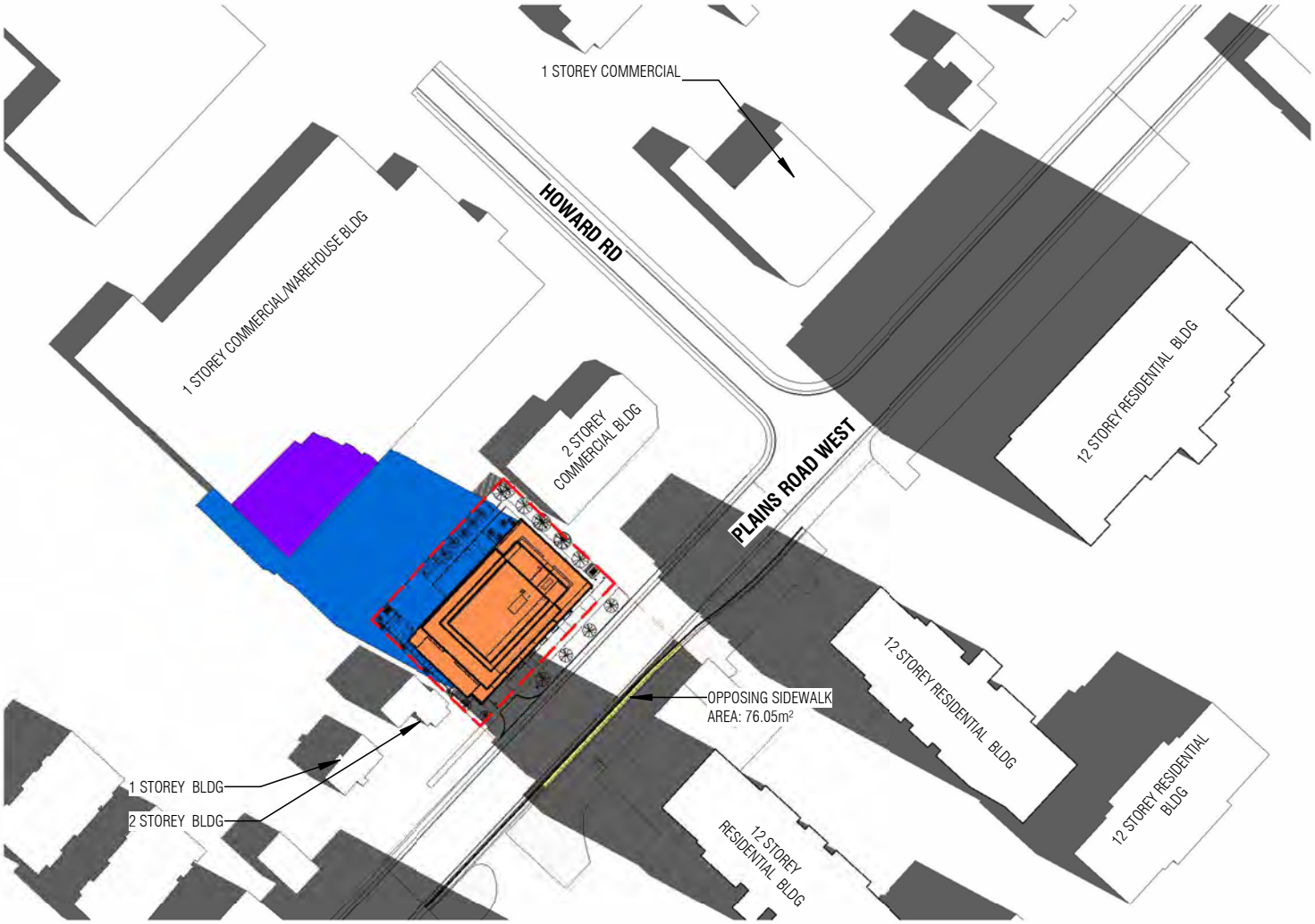
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS01 MARCH 21ST-09-00

2024-09-12 9:30:03 AM



1 MARCH 21ST - 10AM
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS02 MARCH 21ST 10-00

2024-09-12 9:30:08 AM



1 MARCH 21ST - 11AM
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS03 MARCH 21ST 11-00

2024-09-12 9:30:14 AM



1 MARCH 21ST - 1200
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS04 MARCH 21ST 12-00

2024-09-12 9:30:19 AM



1 MARCH 21ST - 1300
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

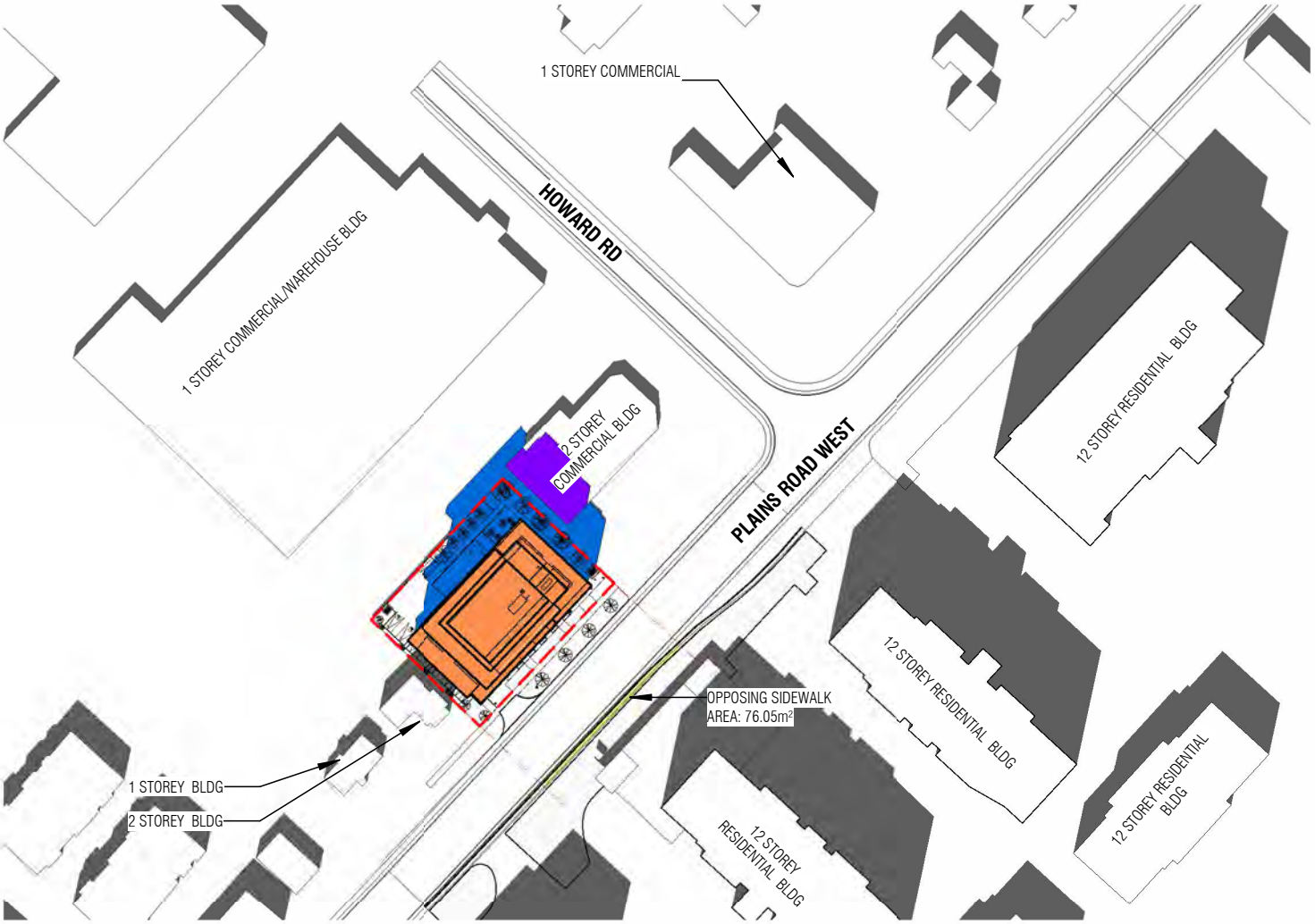
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS05 MARCH 21ST 13-00

2024-09-12 9:30:24 AM



1 MARCH 21ST - 1400
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

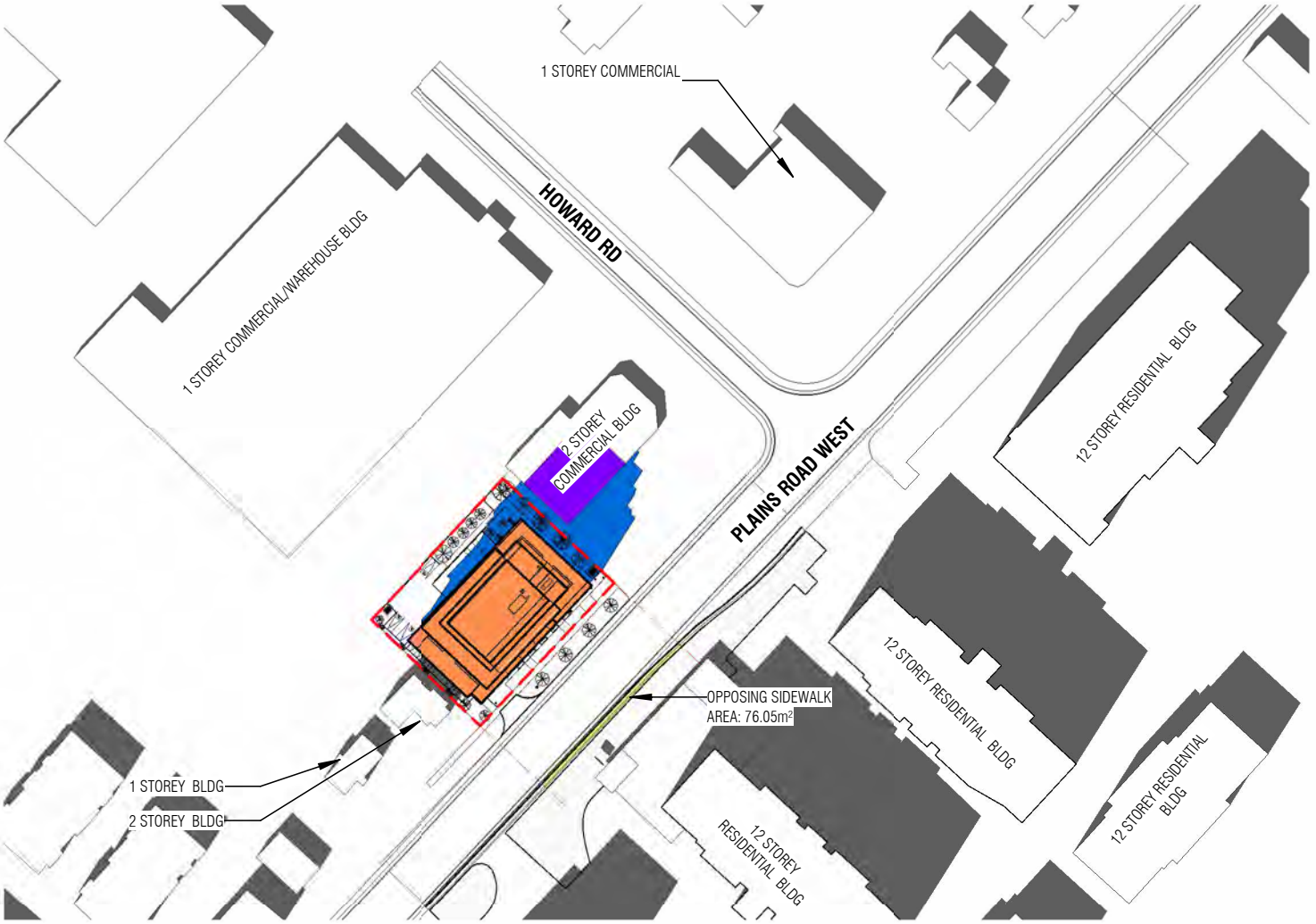
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS06 MARCH 21ST 14-00

2024-09-12 9:30:29 AM



1 MARCH 21ST - 1500
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

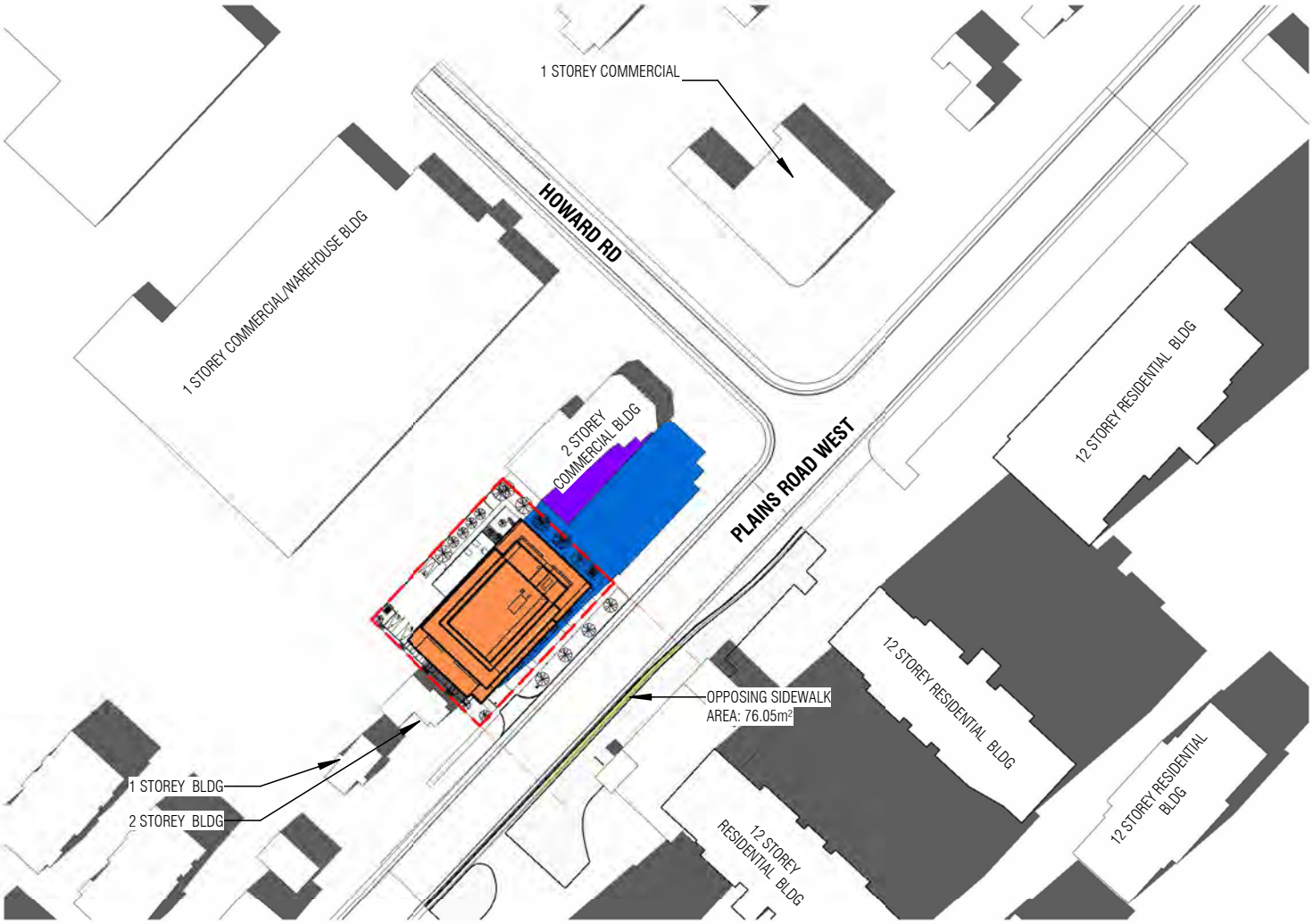
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS07 MARCH 21ST 15-000

2024-09-12 9:30:34 AM



1 MARCH 21ST - 1600
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

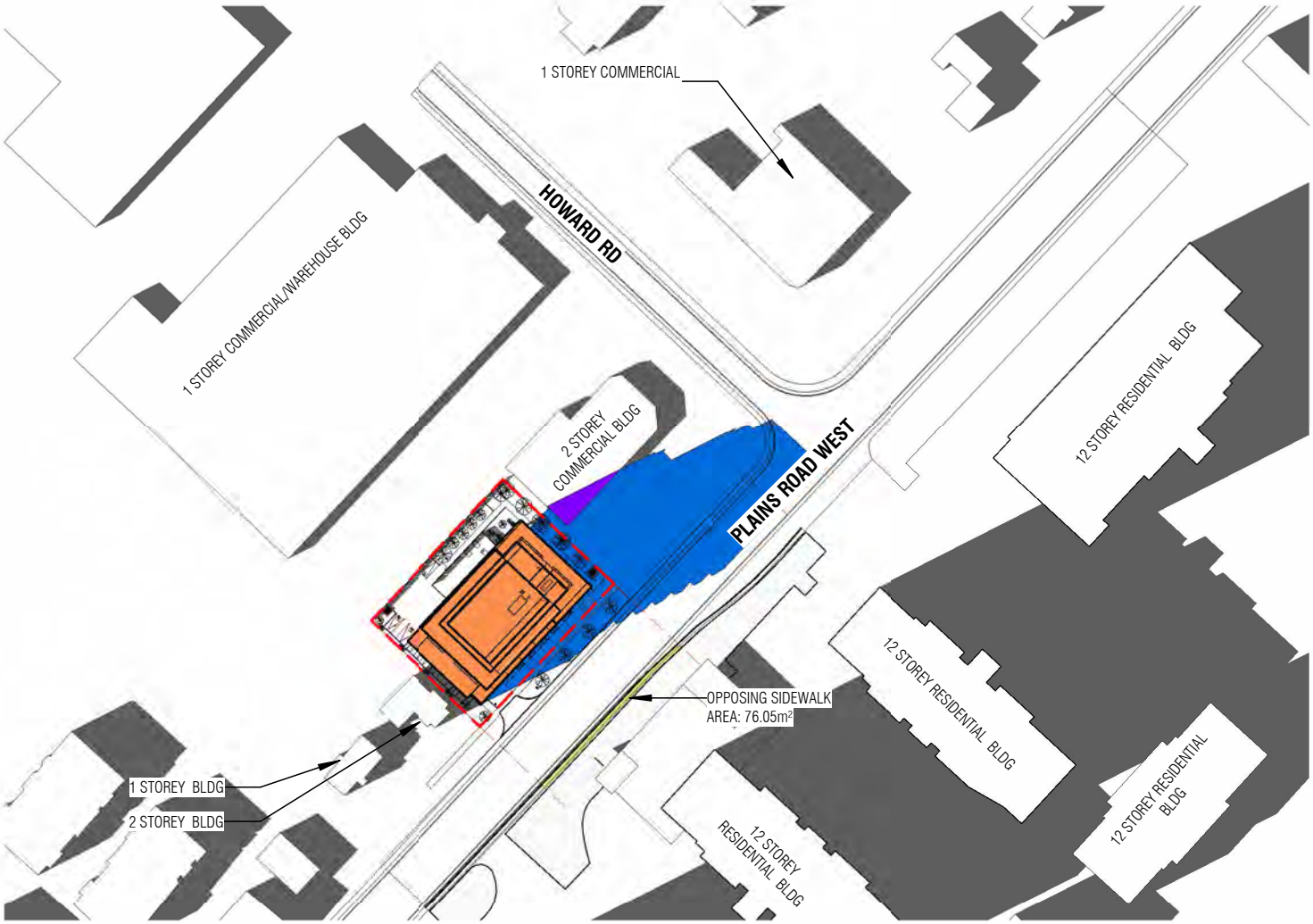
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS08 MARCH 21ST 16-00

2024-09-12 9:30:38 AM



1 MARCH 21ST - 1700
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

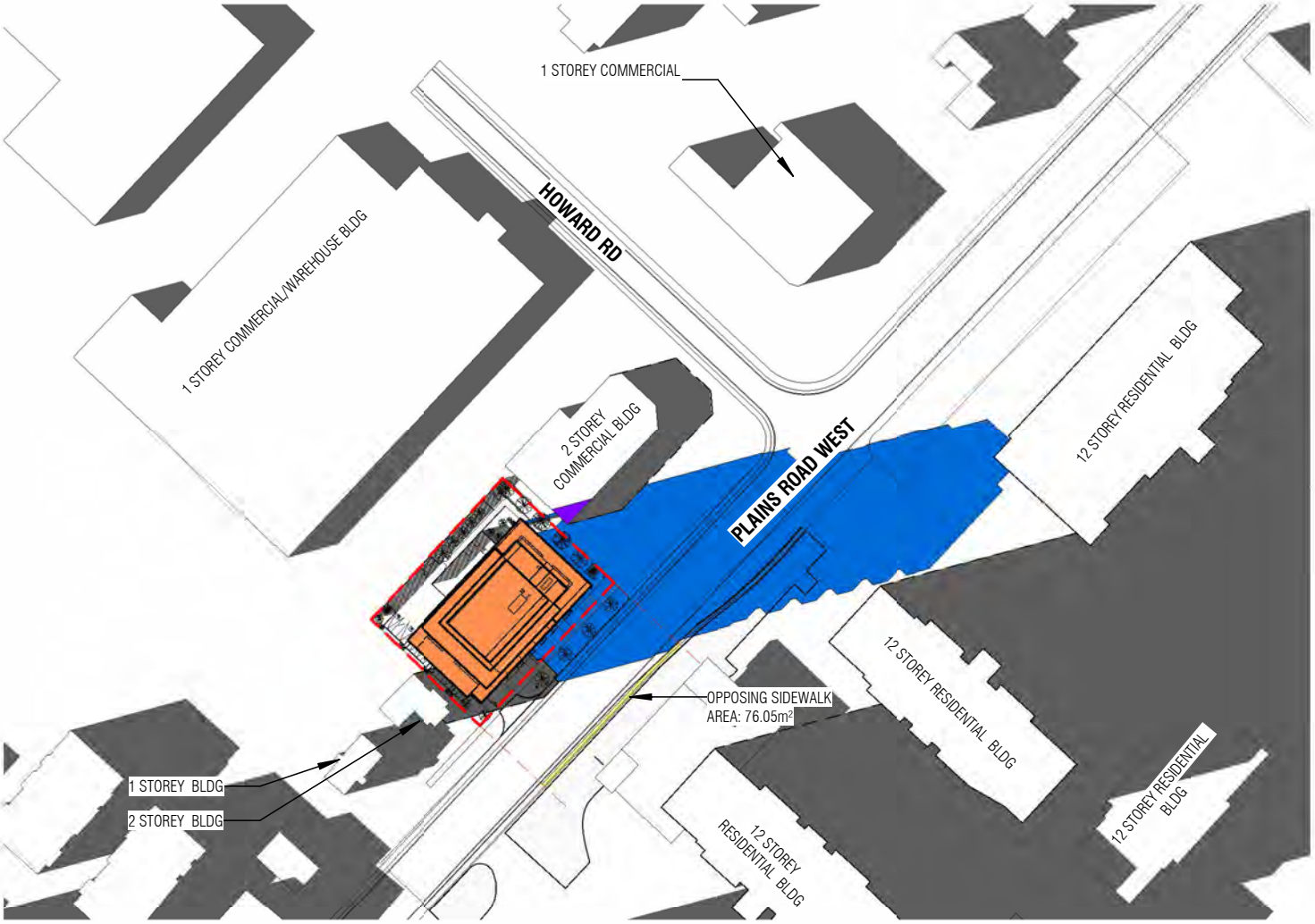
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS09 MARCH 21ST 17-00

2024-09-12 9:30:42 AM



1 MARCH 21ST - 1800
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

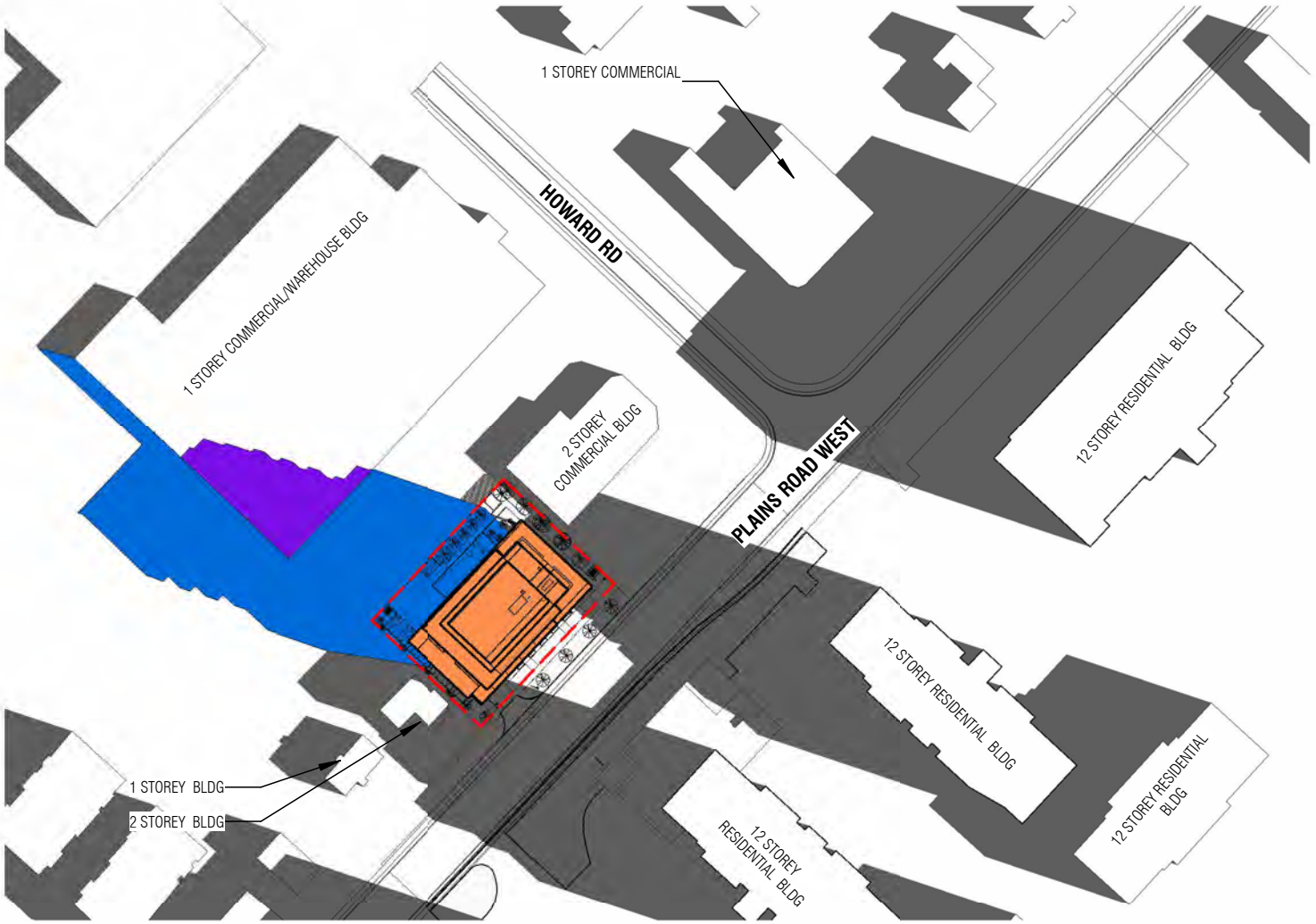
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS10 MARCH 21ST 18-00

2024-09-12 9:30:47 AM



1 SEPTEMBER 21ST - 0900
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

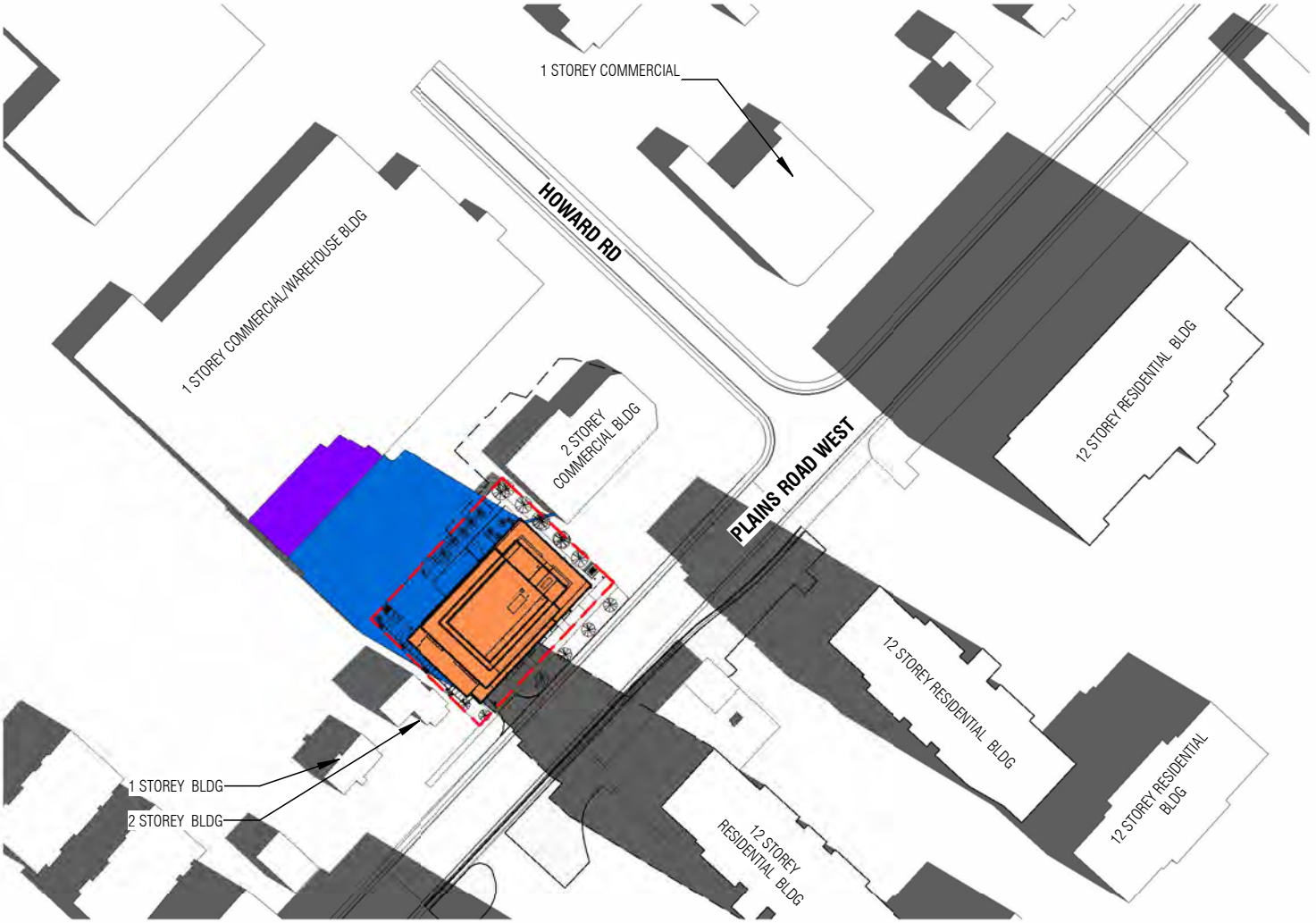
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS11 SEPTEMBER 21ST 0900

2024-09-12 9:30:52 AM



1 SEPTEMBER 21ST - 1000
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS12 SEPTEMBER 21ST - 1000

2024-09-12 9:30:57 AM



1 SEPTEMBER 21ST - 1100
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS13 SEPTEMBER 21ST - 1100

2024-09-12 9:31:01 AM



1 SEPTEMBER 21ST - 1200
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

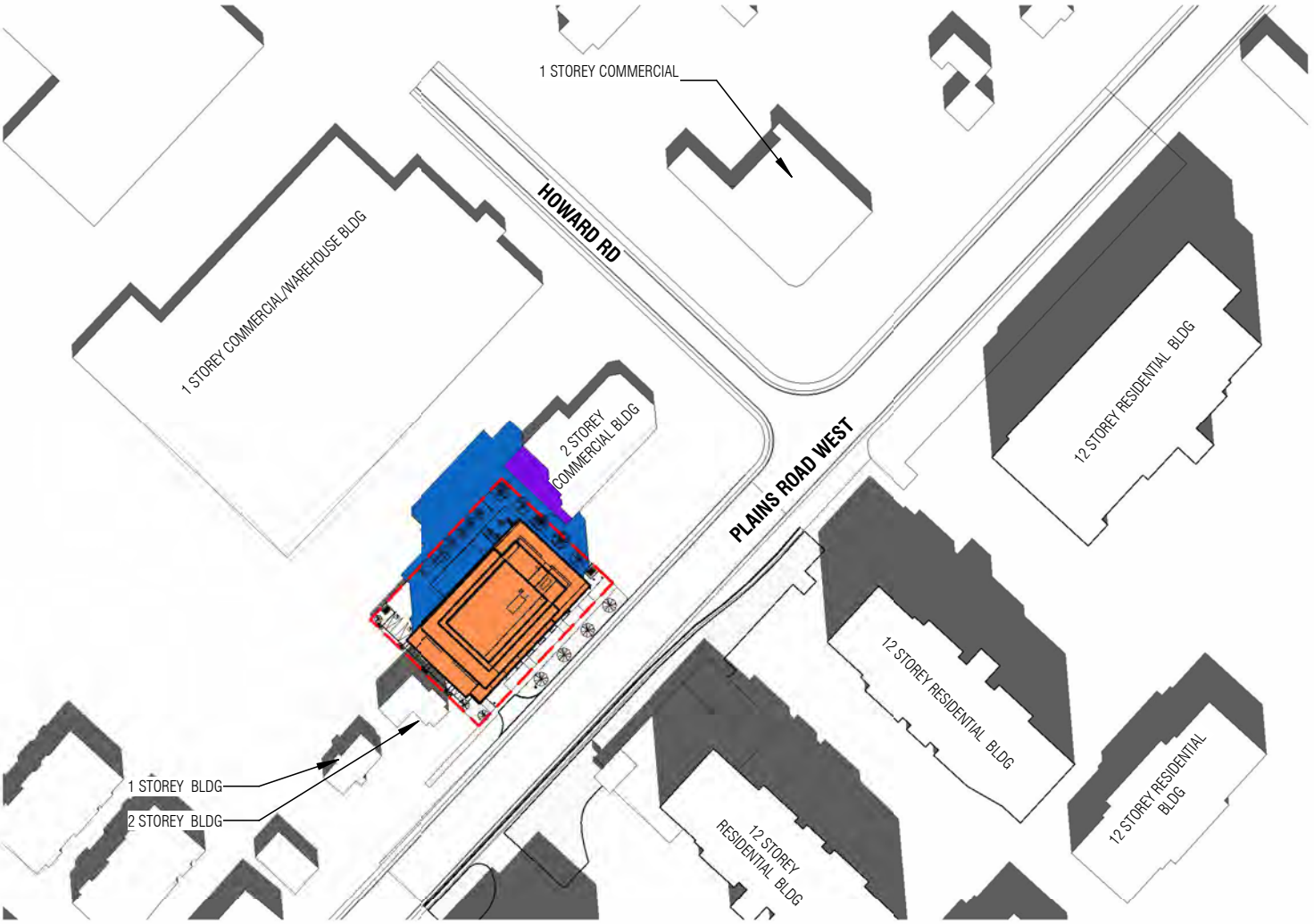
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS14 SEPTEMBER 21ST - 1200

2024-09-12 9:31:06 AM



1 SEPTEMBER 21ST - 1300
SCALE: 1 : 2000

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Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

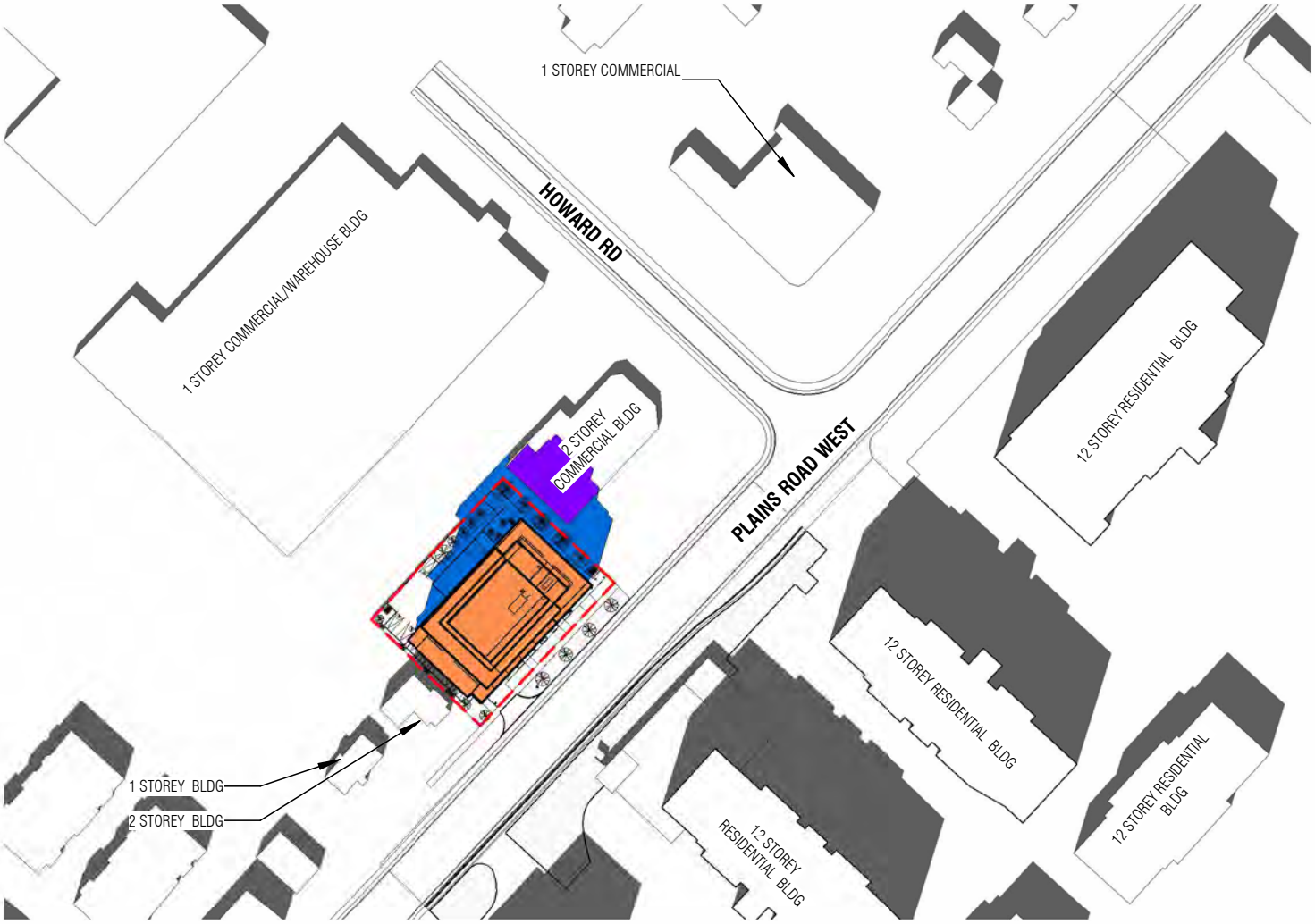
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS15 SEPTEMBER 21ST - 1300

2024-09-12 9:31:10 AM



1 SEPTEMBER 21ST - 1400
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

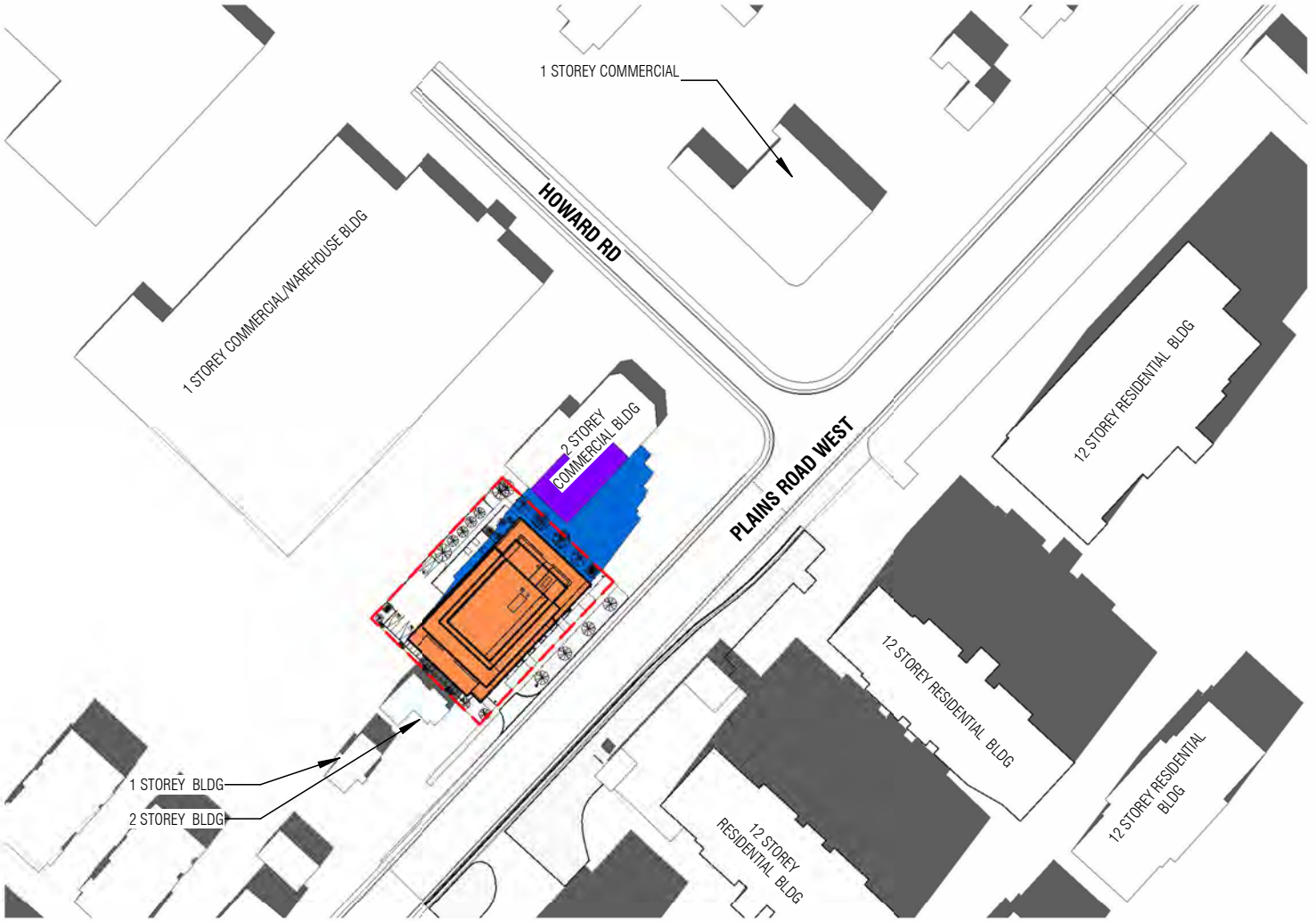
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS16 SEPTEMBER 21ST - 1400

2024-09-12 9:31:15 AM



1 SEPTEMBER 21ST - 1500
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

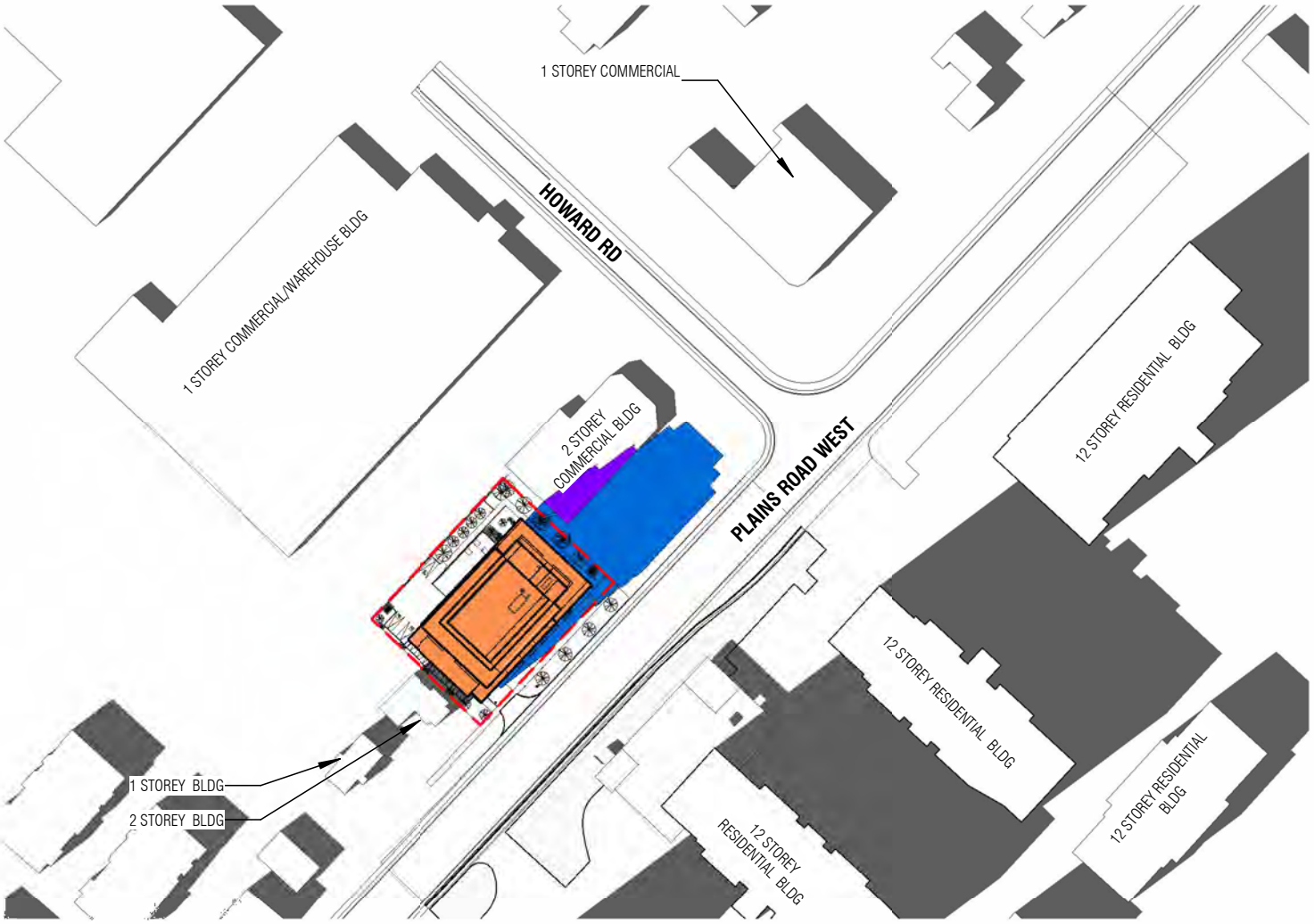
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS17 SEPTEMBER 21ST - 1500

2024-09-12 9:31:19 AM



1 SEPTEMBER 21ST - 1600
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

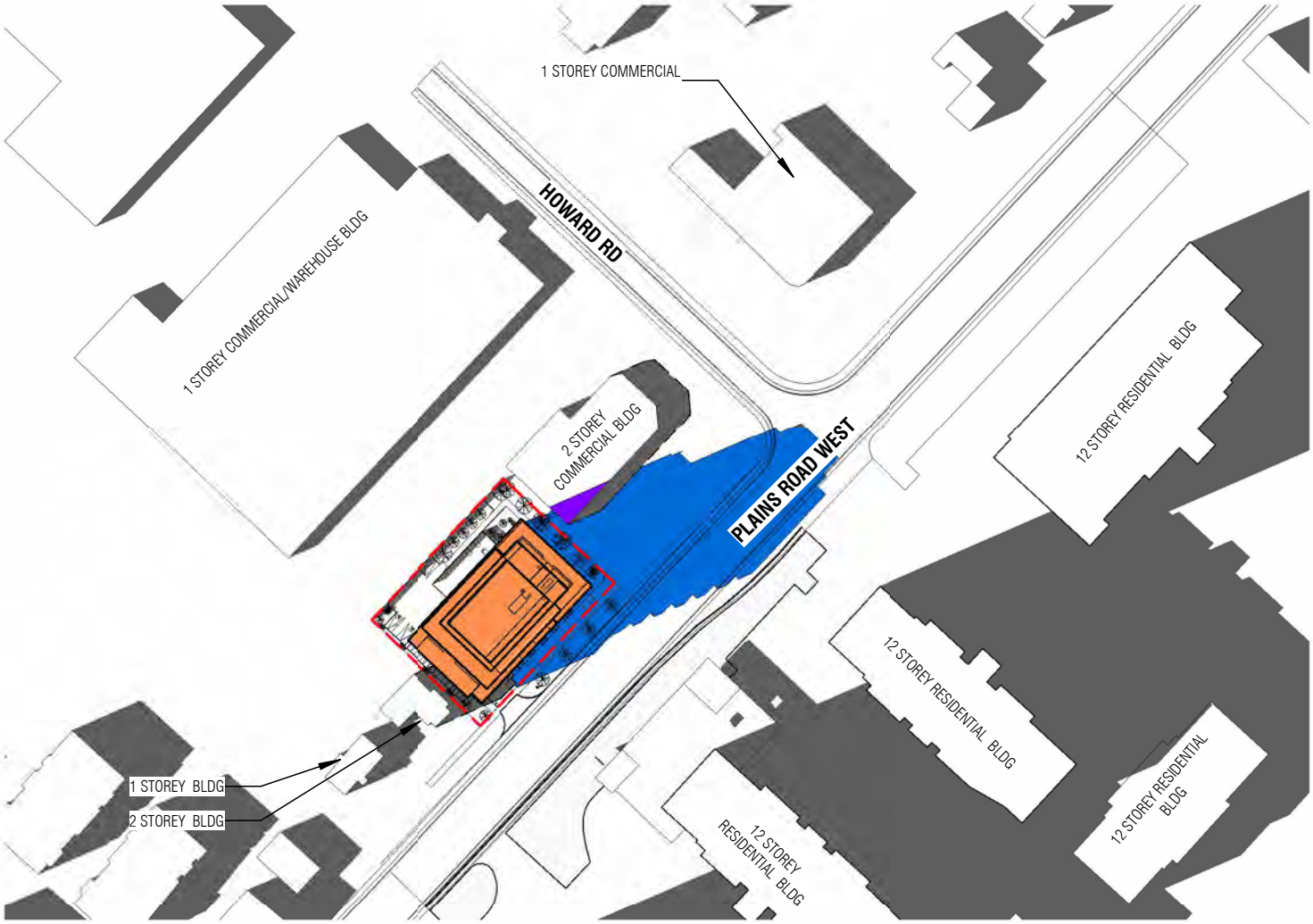
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS18 SEPTEMBER 21ST - 1600

2024-09-12 9:31:24 AM



1 SEPTEMBER 21ST - 1700
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

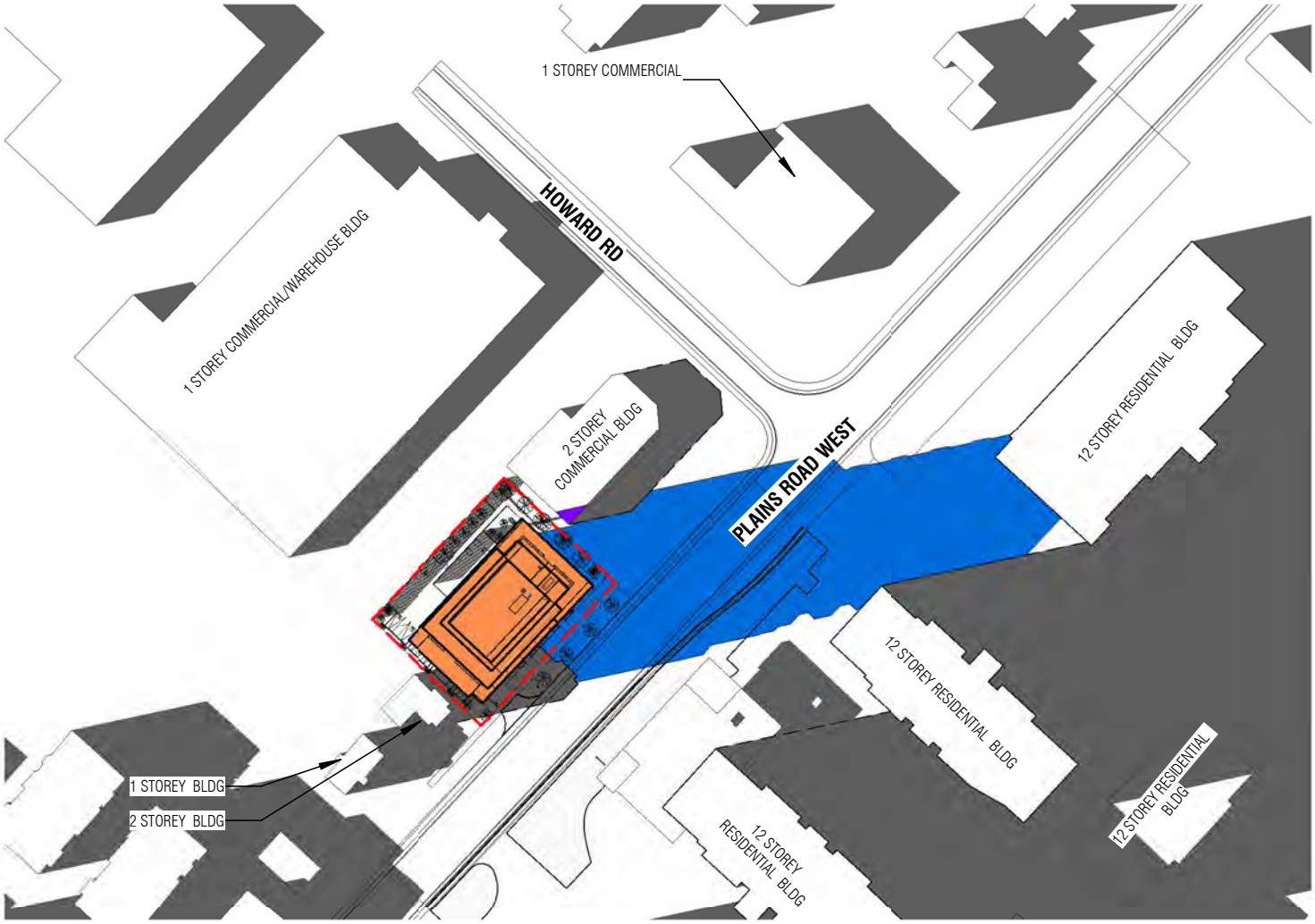
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS19 SEPTEMBER 21ST - 1700

2024-09-12 9:31:30 AM



N

Scale 1 : 2000

0 20 40 100 200 m

1 SEPTEMBER 21ST - 1800
SCALE: 1 : 2000

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

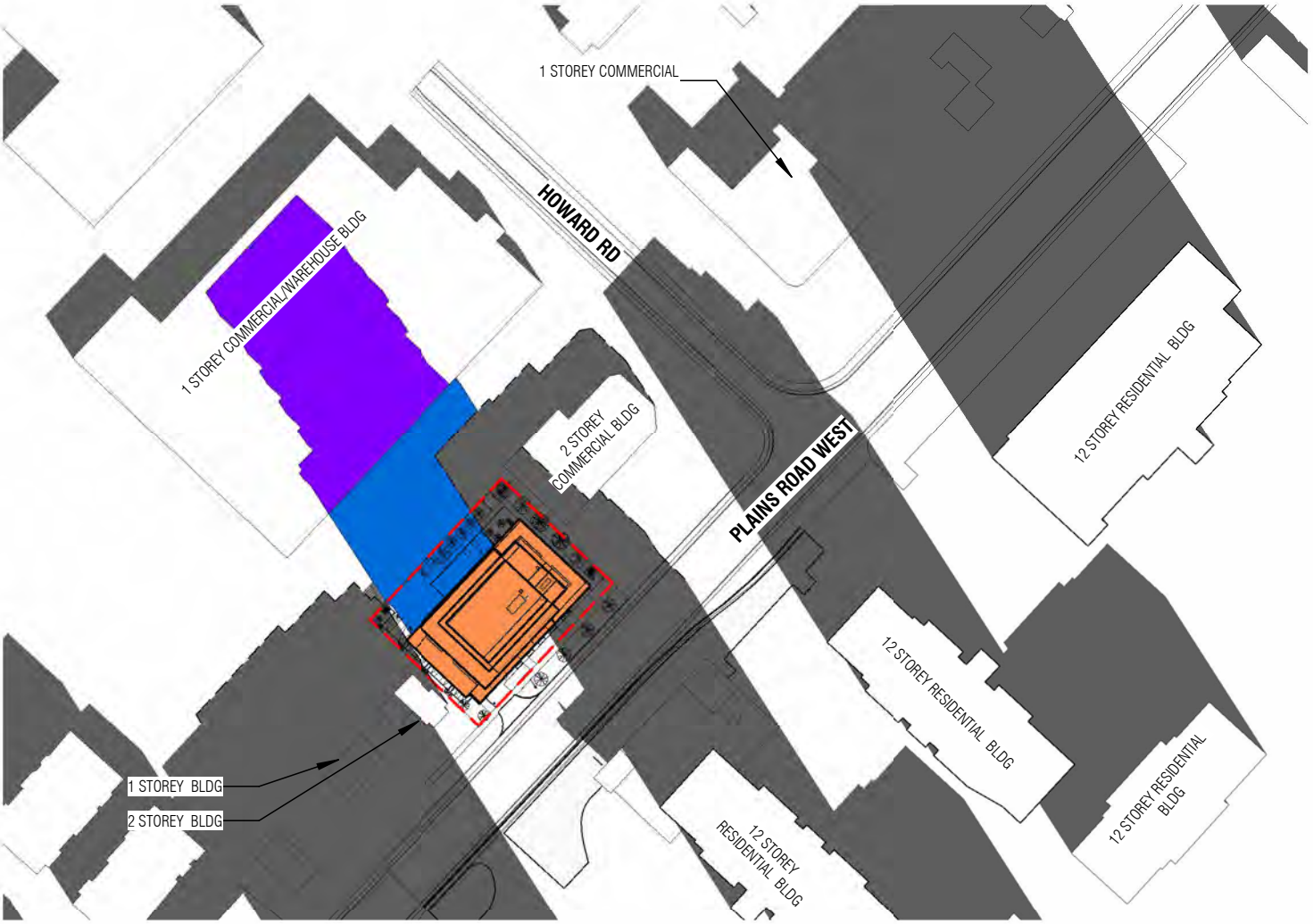
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS20 SEPTEMBER 21ST - 1800

2024-09-12 9:31:36 AM



1 DECEMBER 21ST - 1100
SCALE: 1 : 2000

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Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

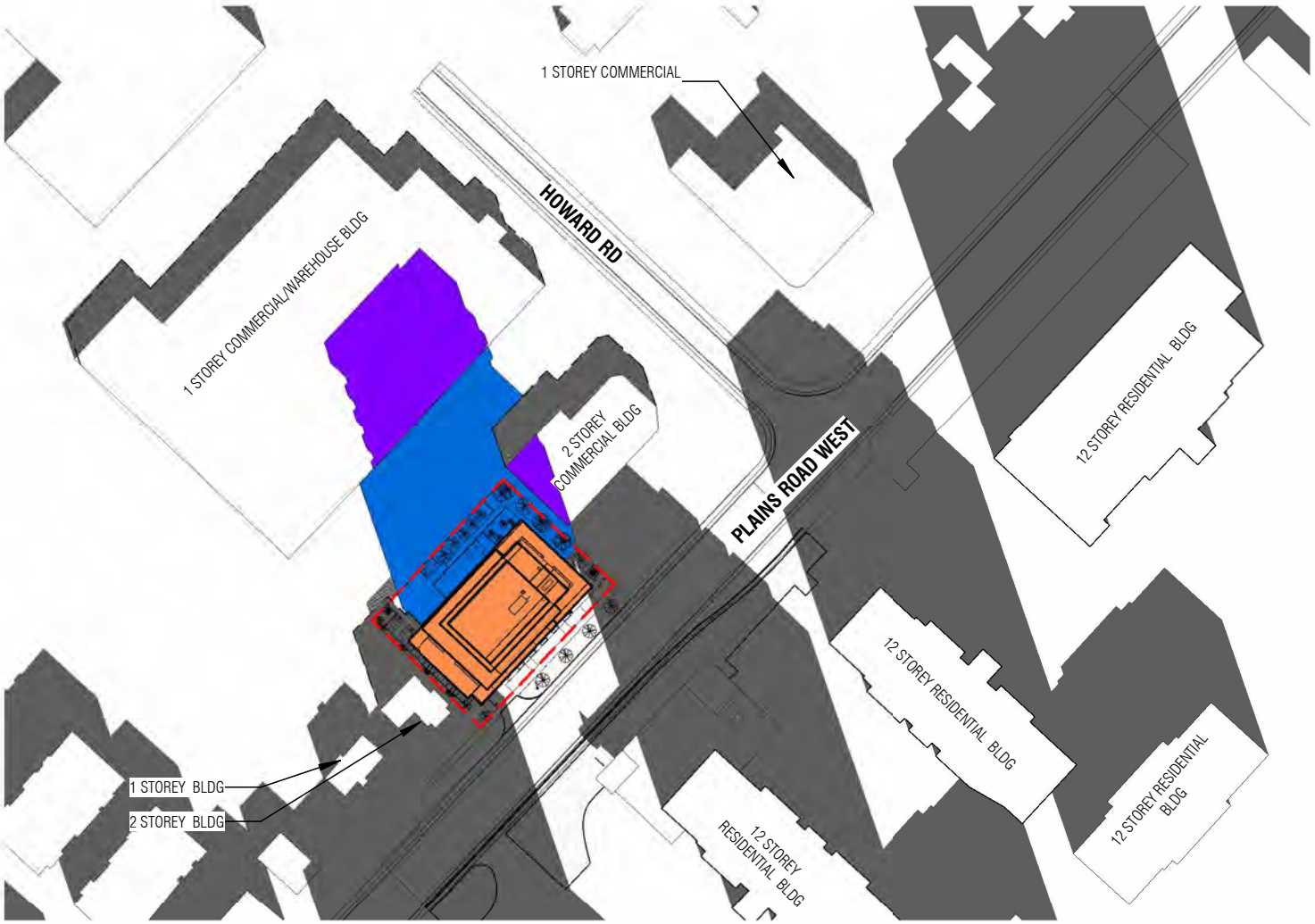
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS21 DECEMBER 21ST - 1100

2024-09-12 9:31:42 AM



1 DECEMBER 21ST - 1200
SCALE: 1 : 2000

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Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

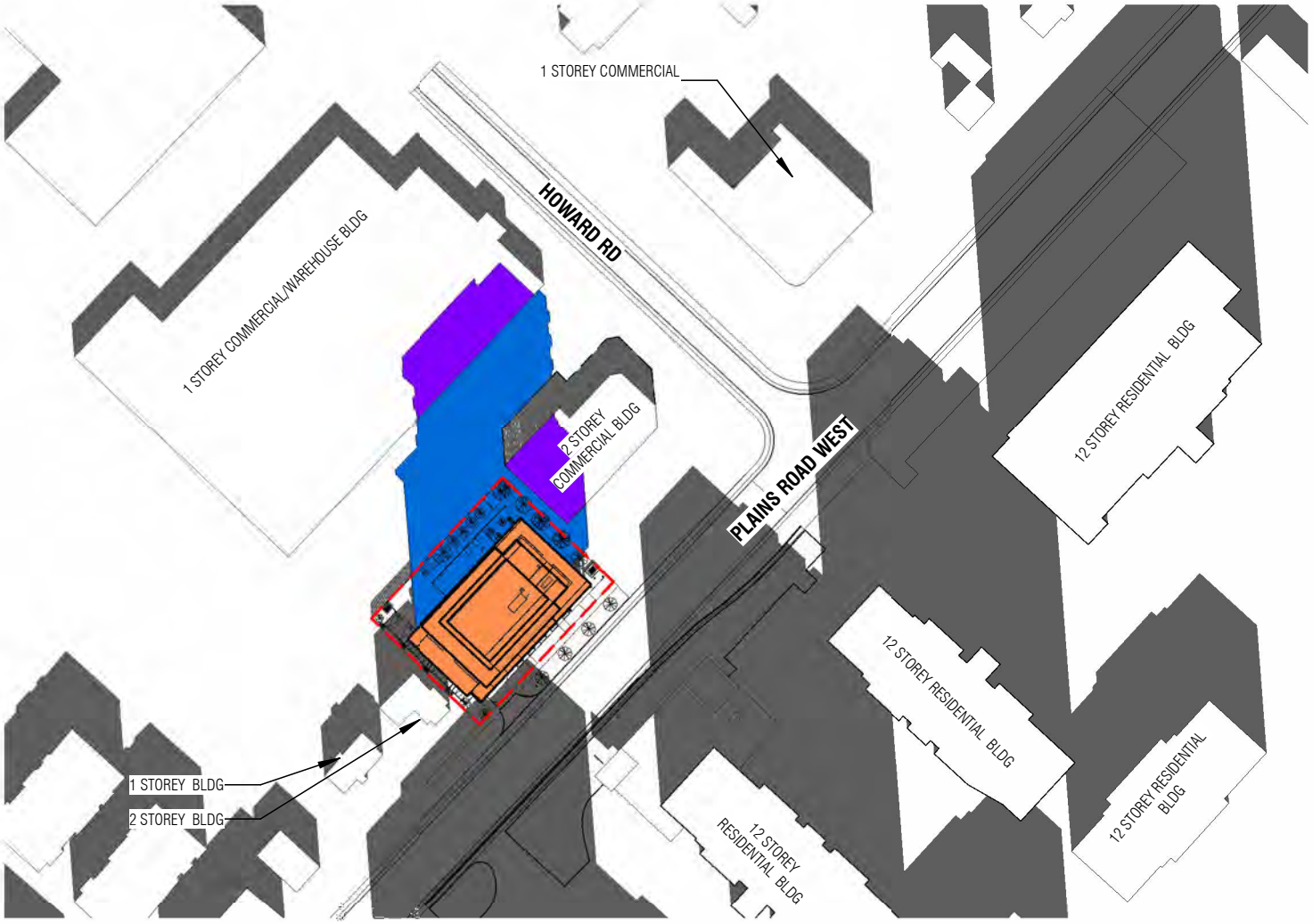
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS22 DECEMBER 21ST - 1200

2024-09-12 9:31:48 AM



1 DECEMBER 21ST - 1300
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS23 DECEMBER 21ST - 1300

2024-09-12 9:31:53 AM



1 DECEMBER 21ST - 1400
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS24 DECEMBER 21ST - 1400

2024-09-12 9:31:59 AM



1 DECEMBER 21ST - 1500
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

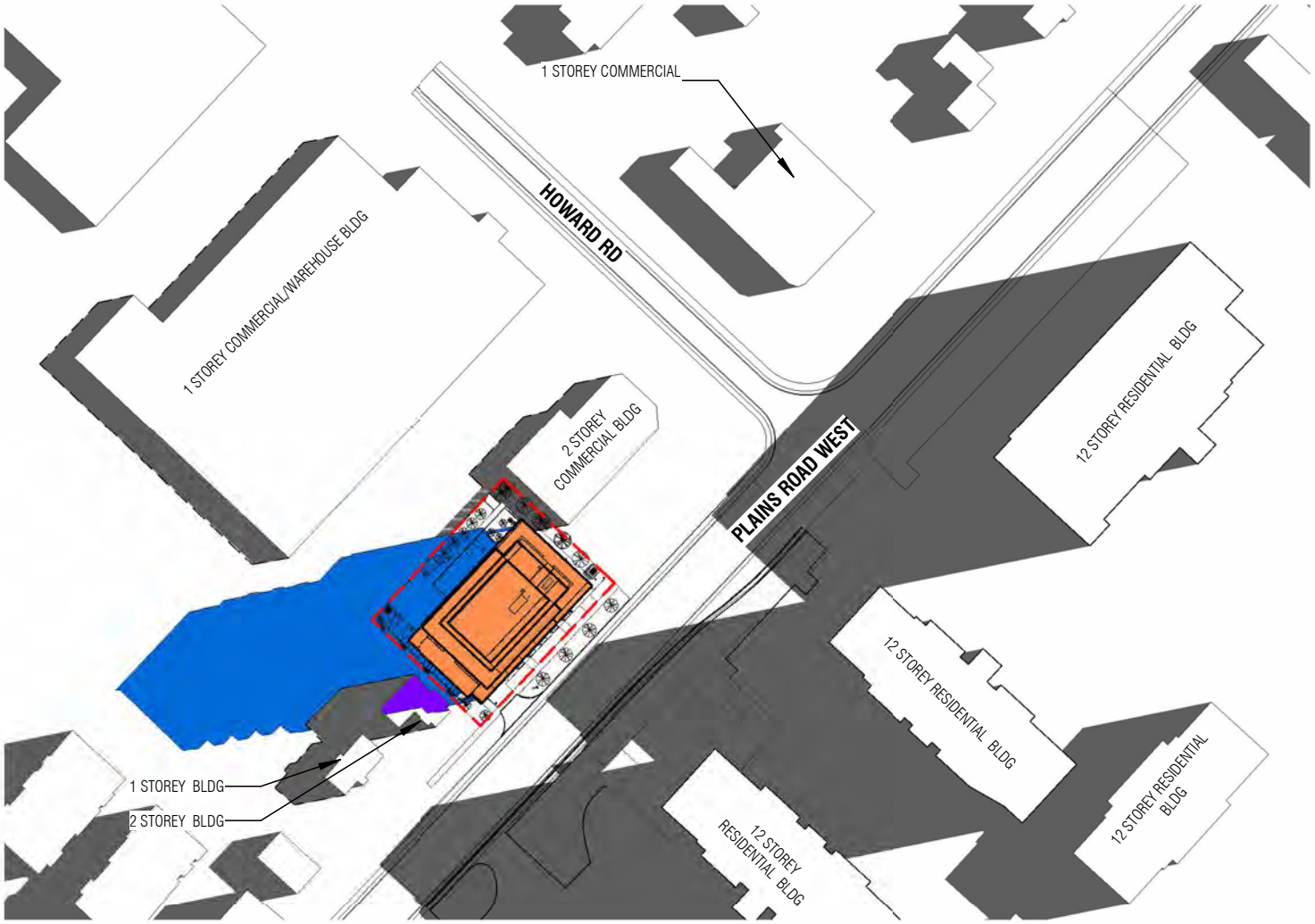
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS25 DECEMBER 21ST - 1500

2024-09-12 9:32:04 AM



1 JUNE 21ST - 0800
SCALE: 1 : 2000

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Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

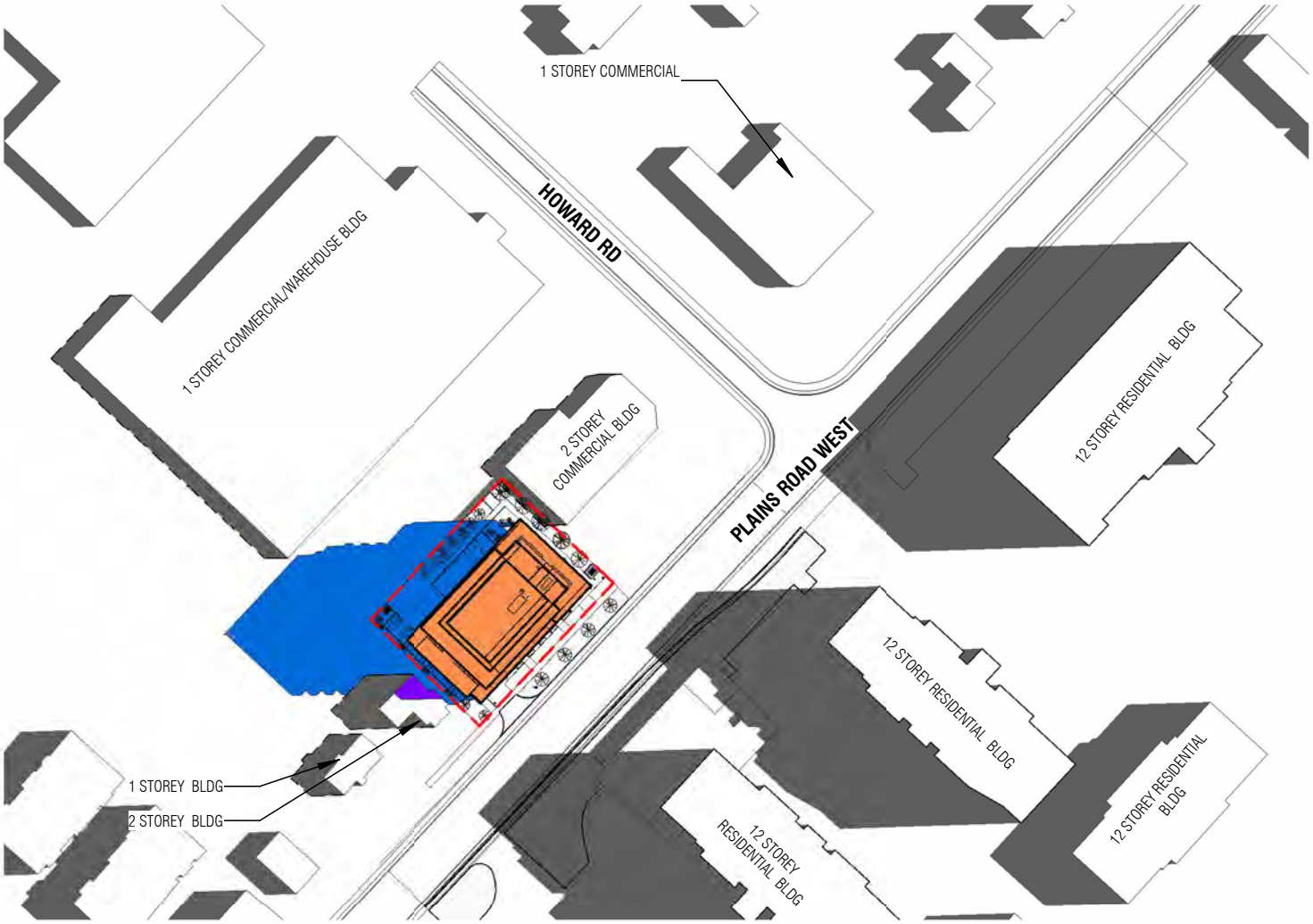
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS26 JUNE 21ST - 0800

2024-09-12 9:32:09 AM



1 JUNE 21ST - 0900
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

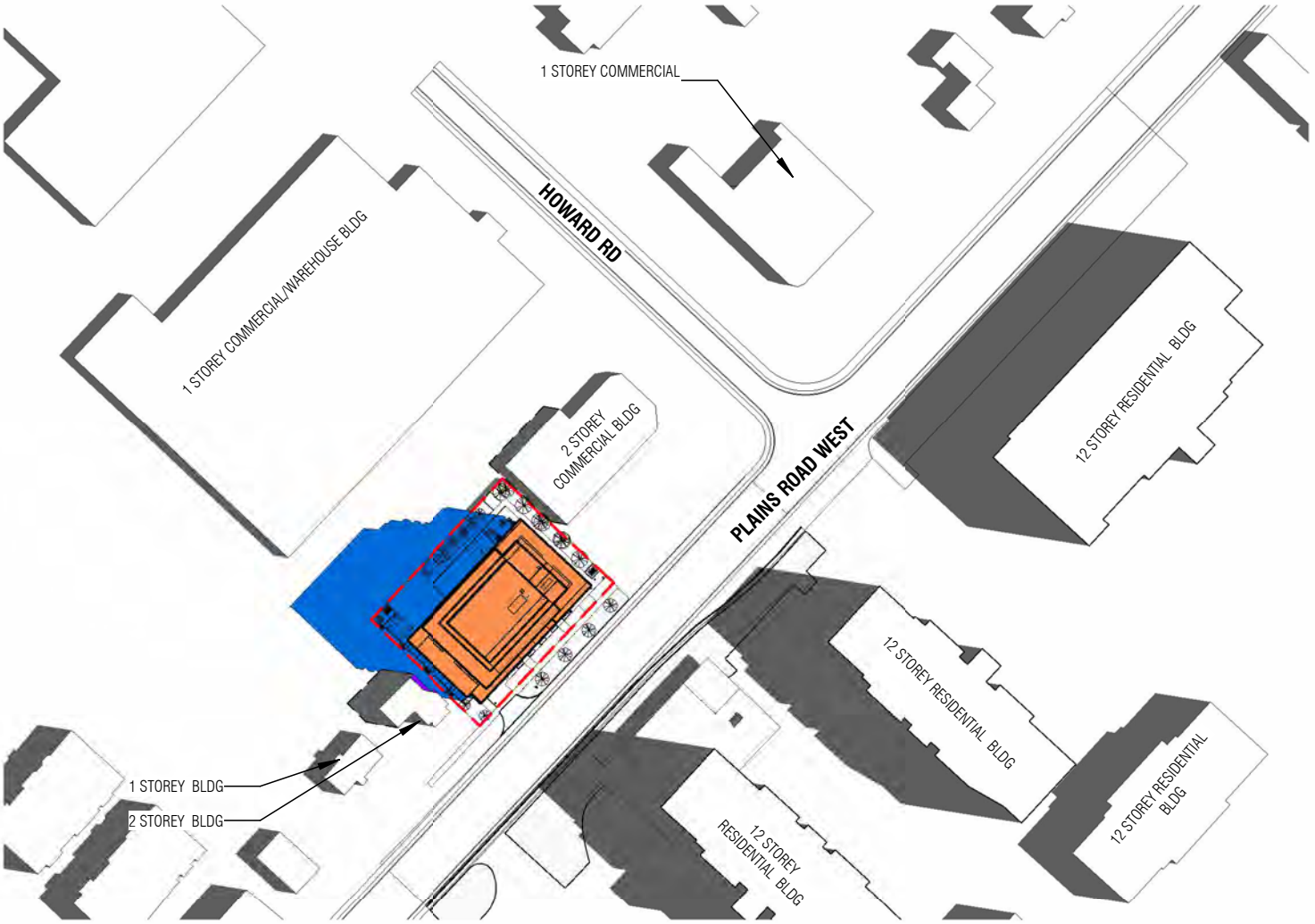
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS27 JUNE 21ST - 0900

2024-09-12 9:32:15 AM



1 JUNE 21ST - 1000
SCALE: 1 : 2000

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Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

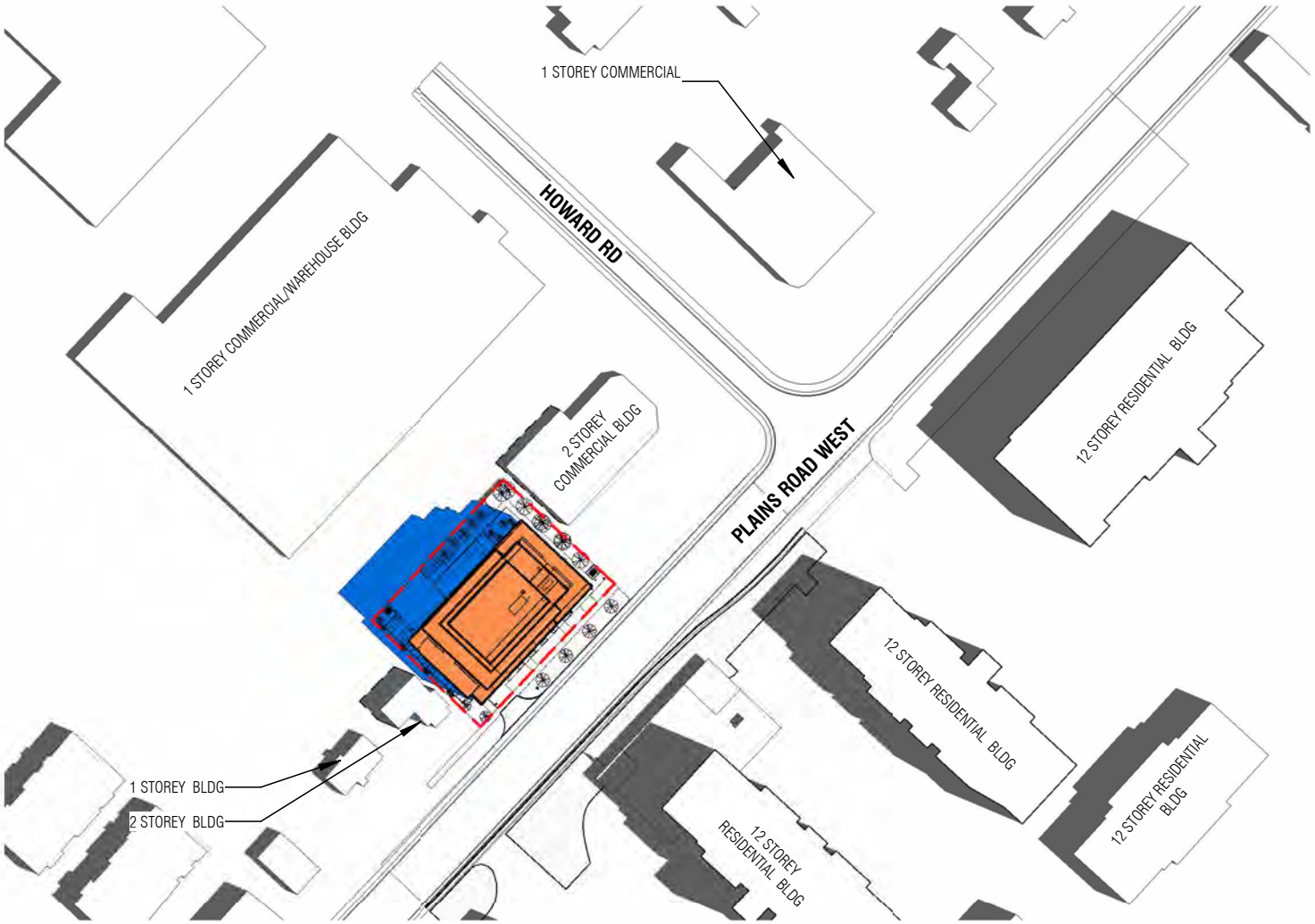
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS28 JUNE 21ST - 1000

2024-09-12 9:32:20 AM



1 JUNE 21ST - 1100
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

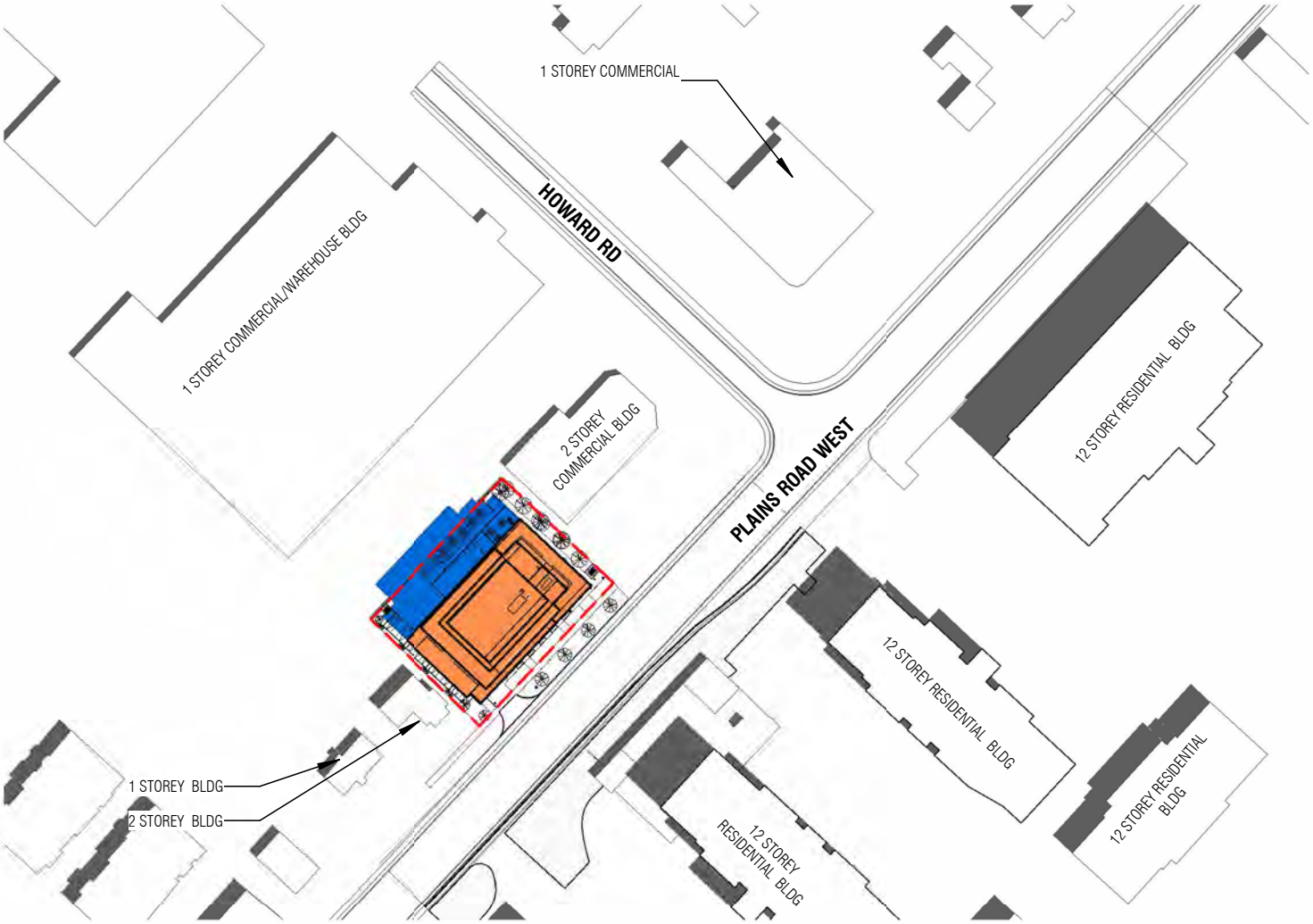
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS29 JUNE 21ST - 1100

2024-09-12 9:32:25 AM



1 JUNE 21ST - 1200
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

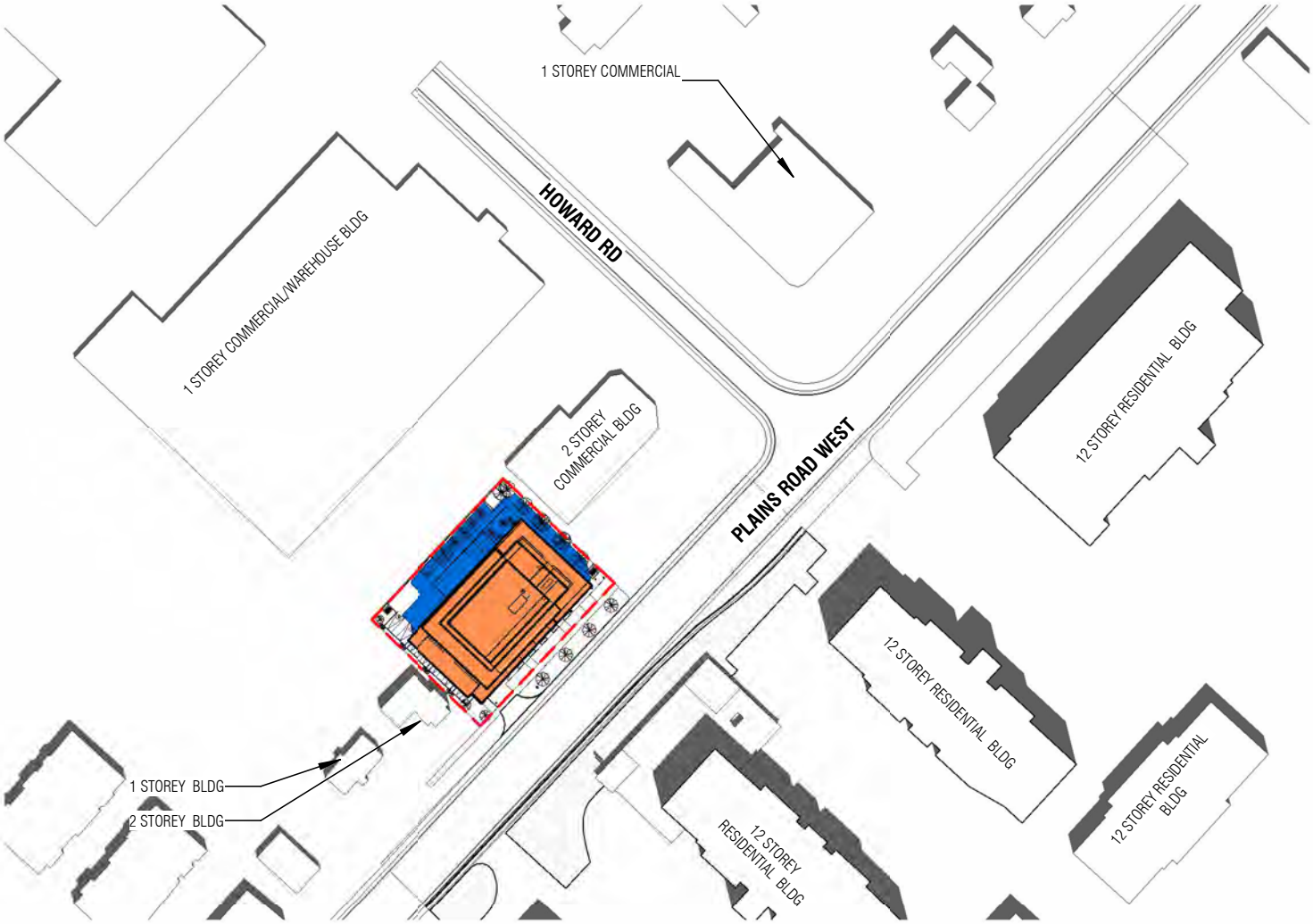
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS30 JUNE 21ST - 1200

2024-09-12 9:32:30 AM



1 JUNE 21ST - 1300
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

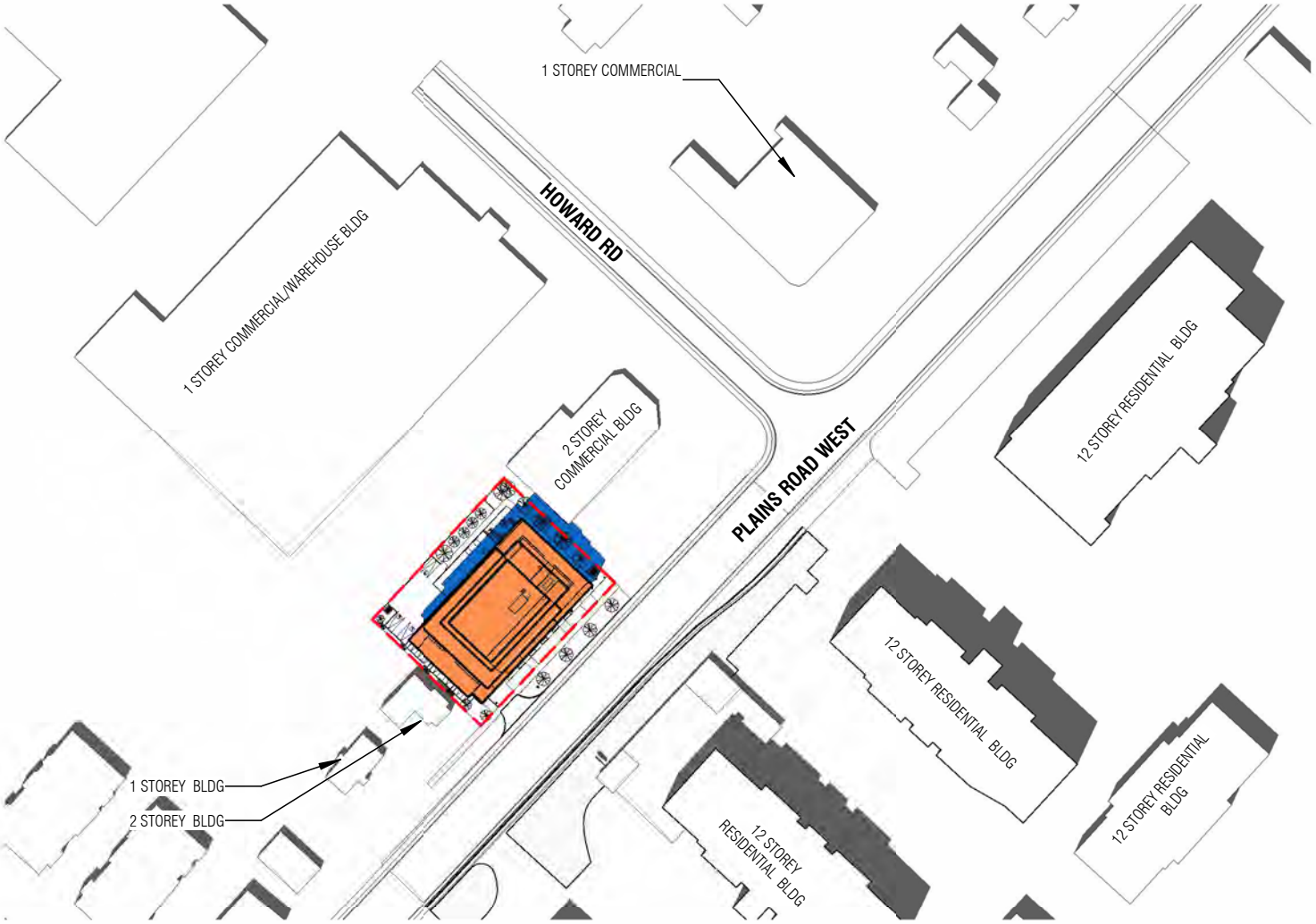
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS31 JUNE 21ST - 1300

2024-09-12 9:32:34 AM



1 JUNE 21ST - 1400
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

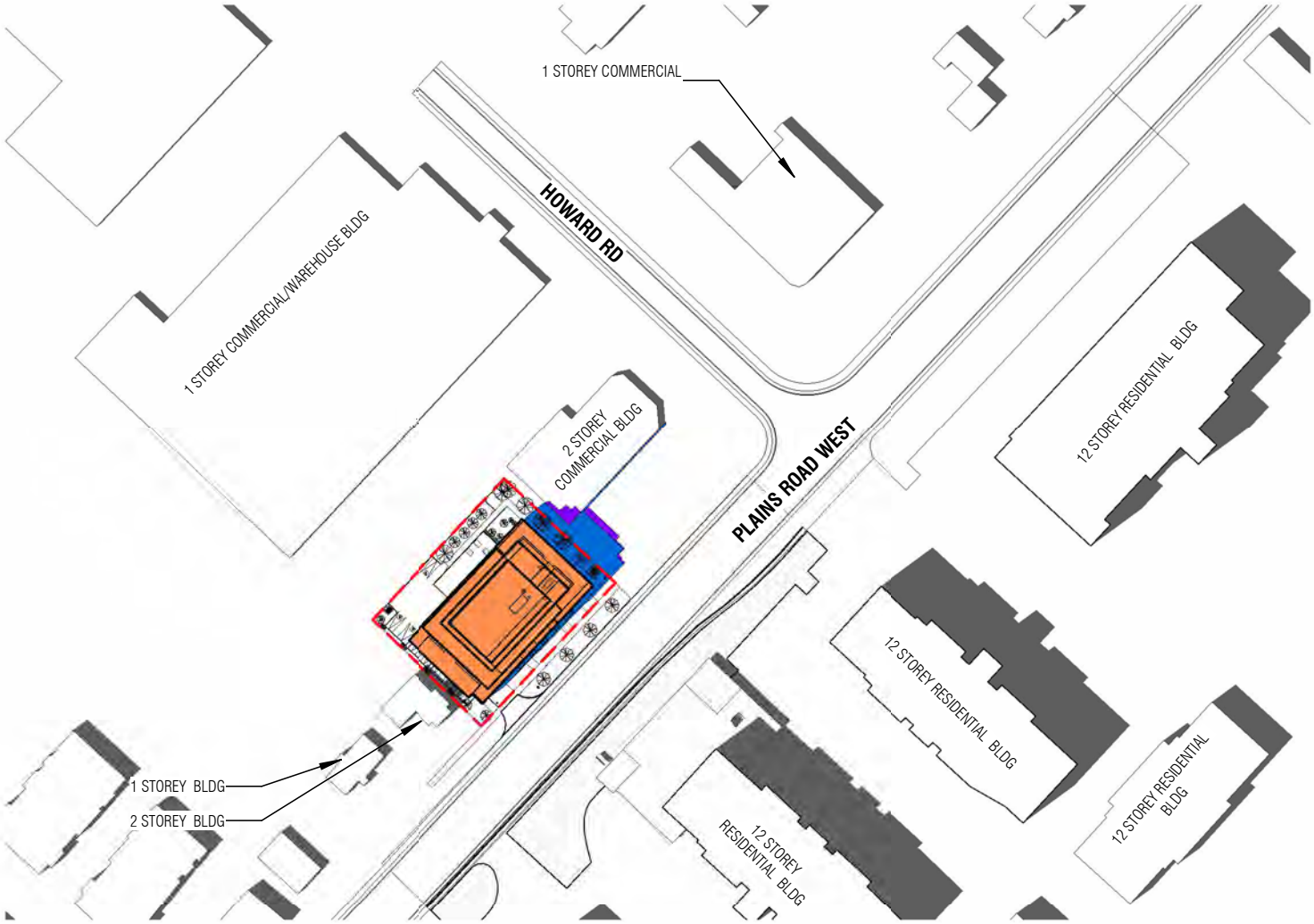
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS32 JUNE 21ST - 1400

2024-09-12 9:32:39 AM



1 JUNE 21ST - 1500
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

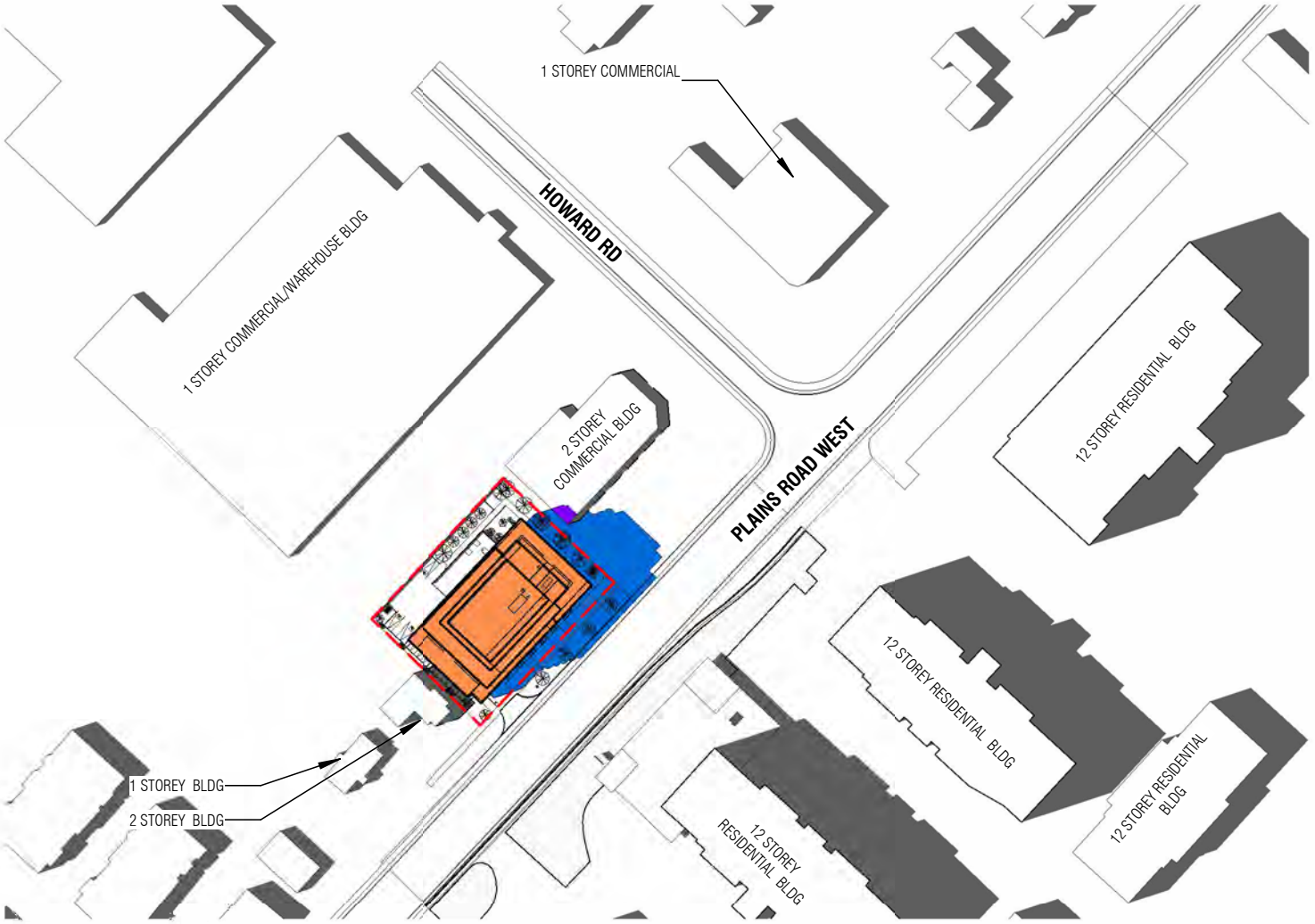
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS33 JUNE 21ST - 1500

2024-09-12 9:32:44 AM



1 JUNE 21ST - 1600
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

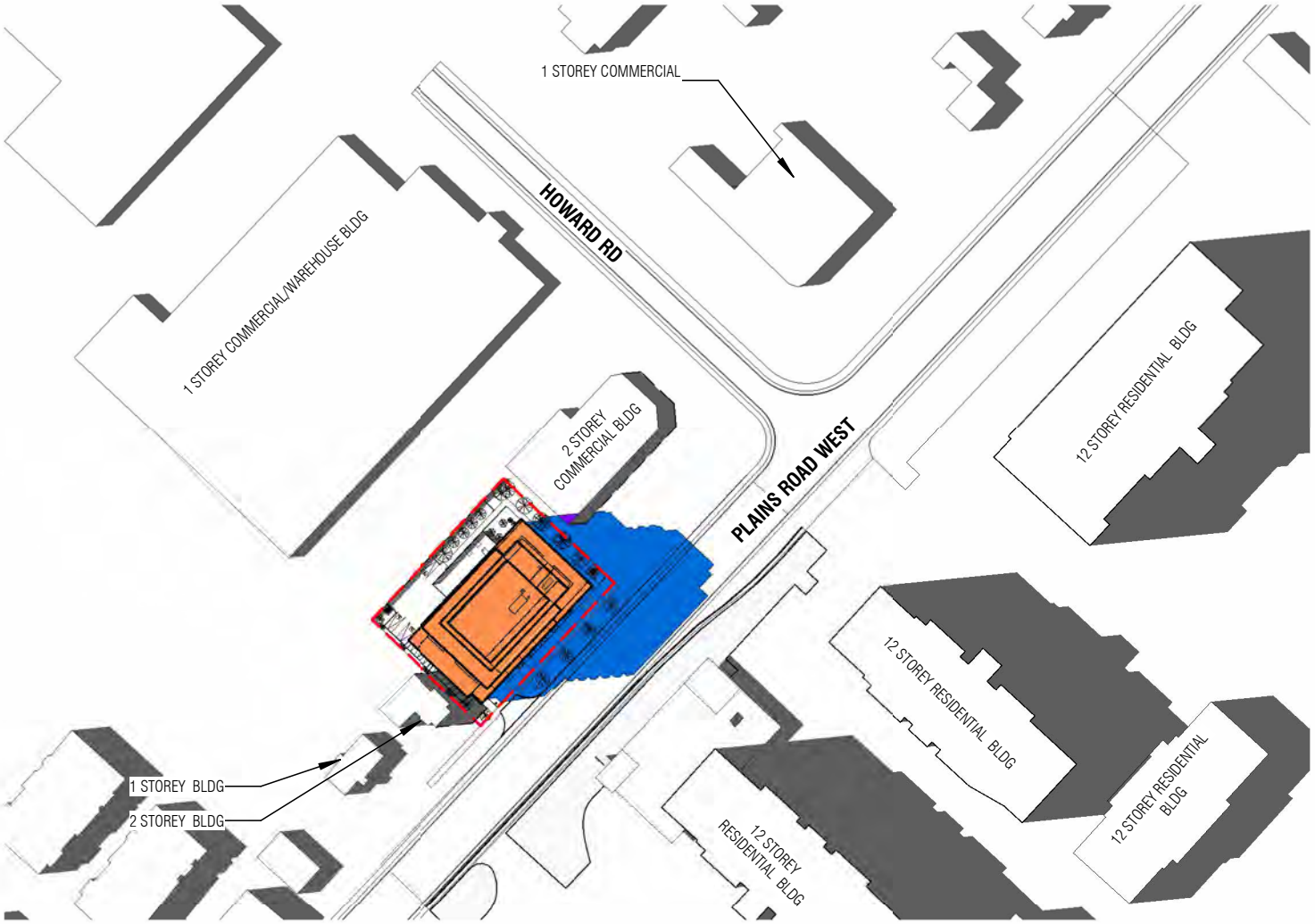
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS34 JUNE 21ST - 1600

2024-09-12 9:32:49 AM



1 JUNE 21ST - 1700
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

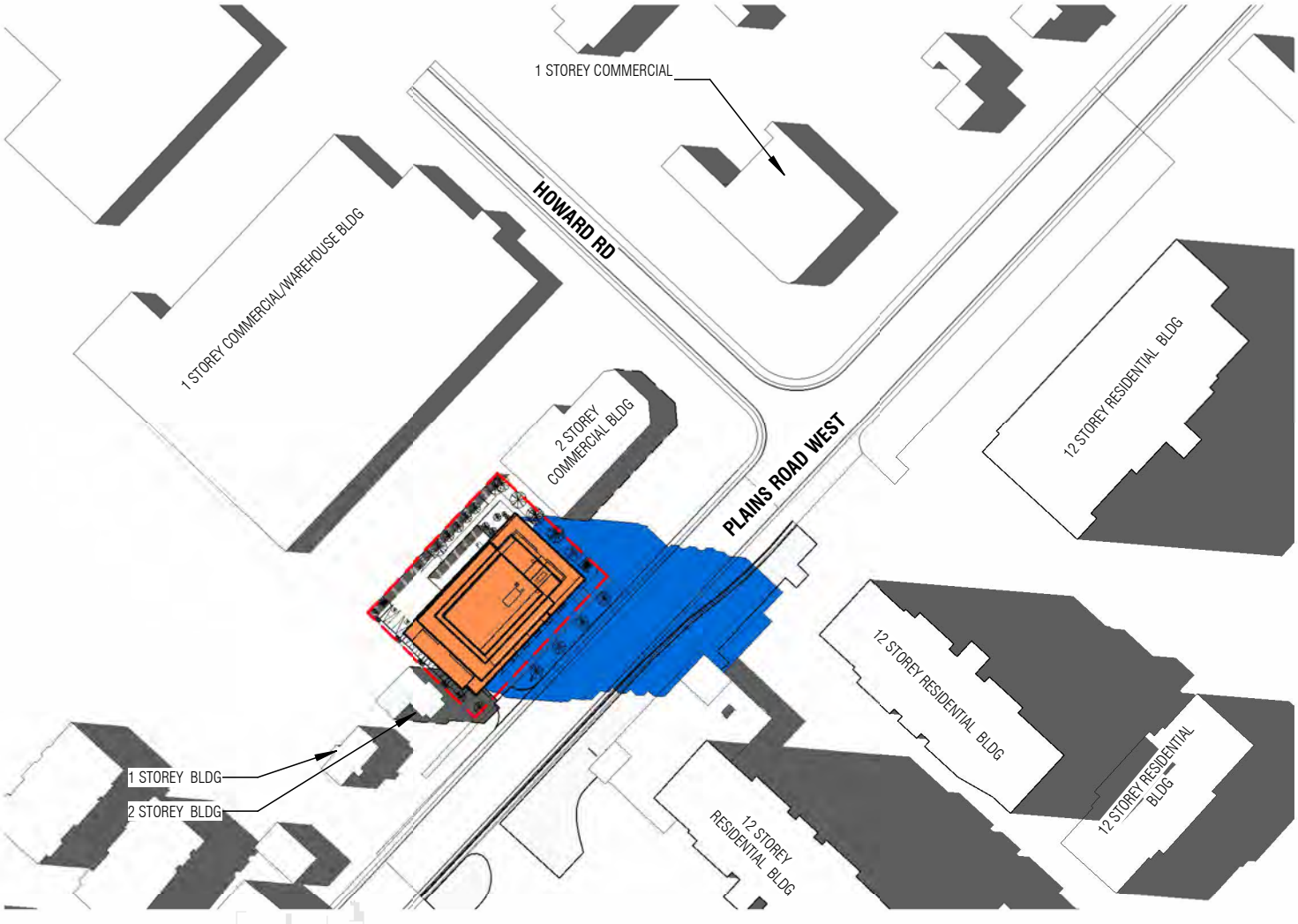
PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS35 JUNE 21ST - 1700

2024-09-12 9:32:53 AM



1 JUNE 21ST - 1800
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS36 JUNE 21ST - 1800

2024-09-12 9:32:58 AM



1 JUNE 21ST - 1900
SCALE: 1 : 2000

N

Scale 1 : 2000

0 20 40 100 200 m

NET NEW SHADOWS CAST ON ROOF SURFACES

NET NEW SHADOWS CAST ON GROUND SURFACES

SHADOW CAST BY EXISTING BUILDINGS ON ALL SURFACES

SITE BOUNDARY

PROPOSED BUILDING MASS

141- 153 PLAINS ROAD RENTAL BUILDING

BURLINGTON ONTARIO

SS37 JUNE 21ST - 1900

2024-09-12 9:33:03 AM

Public Realm and Sidewalks

1. Total area of opposite boulevard (AT) = 156.4 m2

2. 2. Areas exposed to sunshine at each hourly test time (AS (test)):

09:00 (AS (test-09:00) = 156.4 m2
10:00 (AS (test-09:00) = 156.4 m2
11:00 (AS (test-09:00) = 156.4 m2
12:00 (AS (test-09:00) = 156.4 m2
13:00 (AS (test-09:00) = 156.4 m2
14:00 (AS (test-09:00) = 156.4 m2
15:00 (AS (test-09:00) = 156.4 m2
16:00 (AS (test-09:00) = 156.4 m2
17:00 (AS (test-09:00) = 142.9 m2
18:00 (AS (test-09:00) = 0 m2
Number of test times = 10

3. The averages for the nine one-hour intervals (AS (interval)):
09:00-10:00 (AS (interval-09:00-10:00) = (156.4 m2 + 156.4 m2) ÷ 2 = 156.4 m2
10:00-11:00 (AS (interval-10:00-11:00) = (156.4 m2 + 156.4 m2) ÷ 2 = 156.4 m2
11:00-12:00 (AS (interval-11:00-12:00) = (156.4 m2 + 156.4 m2) ÷ 2 = 156.4 m2
12:00-13:00 (AS (interval-12:00-13:00) = (156.4 m2 + 156.4 m2) ÷ 2 = 156.4 m2
13:00-14:00 (AS (interval-13:00-14:00) = (156.4 m2 + 156.4 m2) ÷ 2 = 156.4 m2
14:00-15:00 (AS (interval-14:00-15:00) = (156.4 m2 + 156.4 m2) ÷ 2 = 156.4 m2
15:00-16:00 (AS (interval-15:00-16:00) = (156.4 m2 + 156.4 m2) ÷ 2 = 156.4 m2
16:00-17:00 (AS (interval-16:00-17:00) = (156.4 m2 + 142.9 m2) ÷ 2 = 149.65 m2
17:00-18:00 (AS (interval-17:00-18:00) = (142.9 m2 + 0 m2) ÷ 2 = 74.95 m2
Number of test intervals = 9
Sum of (AS (interval)) = 1,319.4 m2

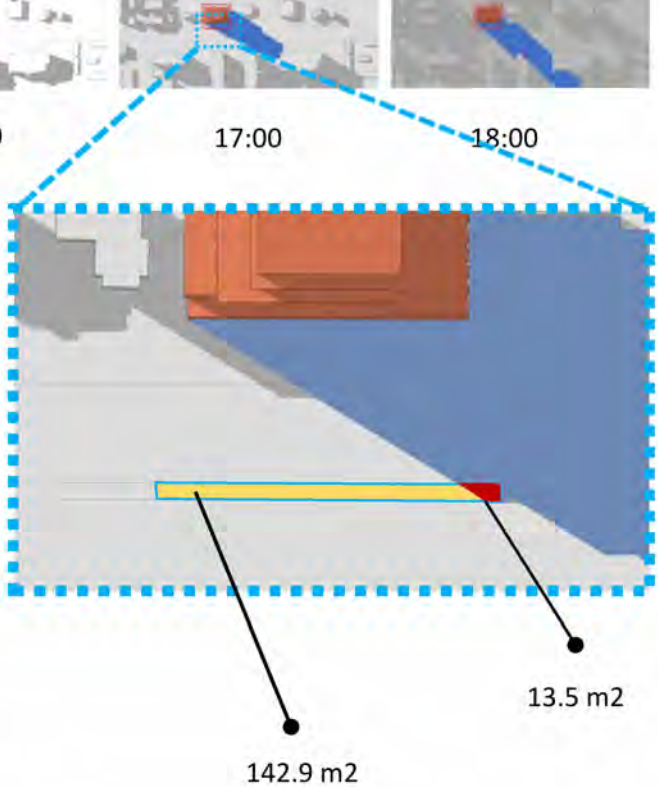
4. The overall average area in sunshine (AS (average)) = [sum of (AS (interval))] ÷ [# of intervals]
= 1,319.4 m2 ÷ 9
= 146.6 m2

5. SAF = (AS (average)) ÷ AT
= 146.6 m2 ÷ 156.4 m2
= 0.93 0.93 is greater than 0.50. Therefore, the SAF meets the criteria.

March 21st







Total opposite boulevard 156.4 m2

Area exposed to Sunshine : 142.9 m2

Area in shadow: 13.5 m2

Site Boundary

Net New Shadows cast on roof surfaces

Net New Shadows cast on ground surfaces

Shadow cast by existing buildings on all surfaces

SS39 MARCH 21ST - DETAILS

2024-09-12 9:33:05 AM