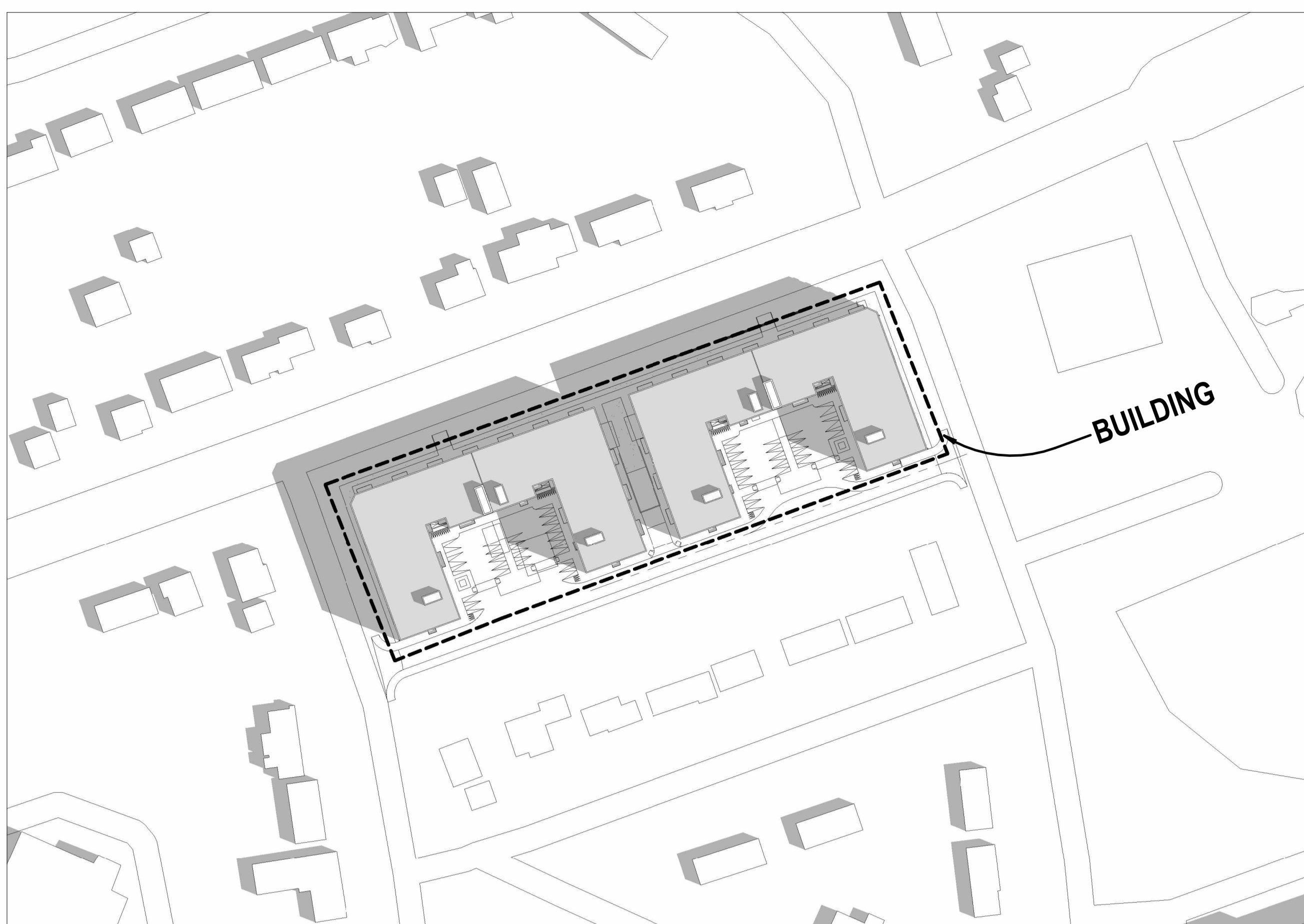
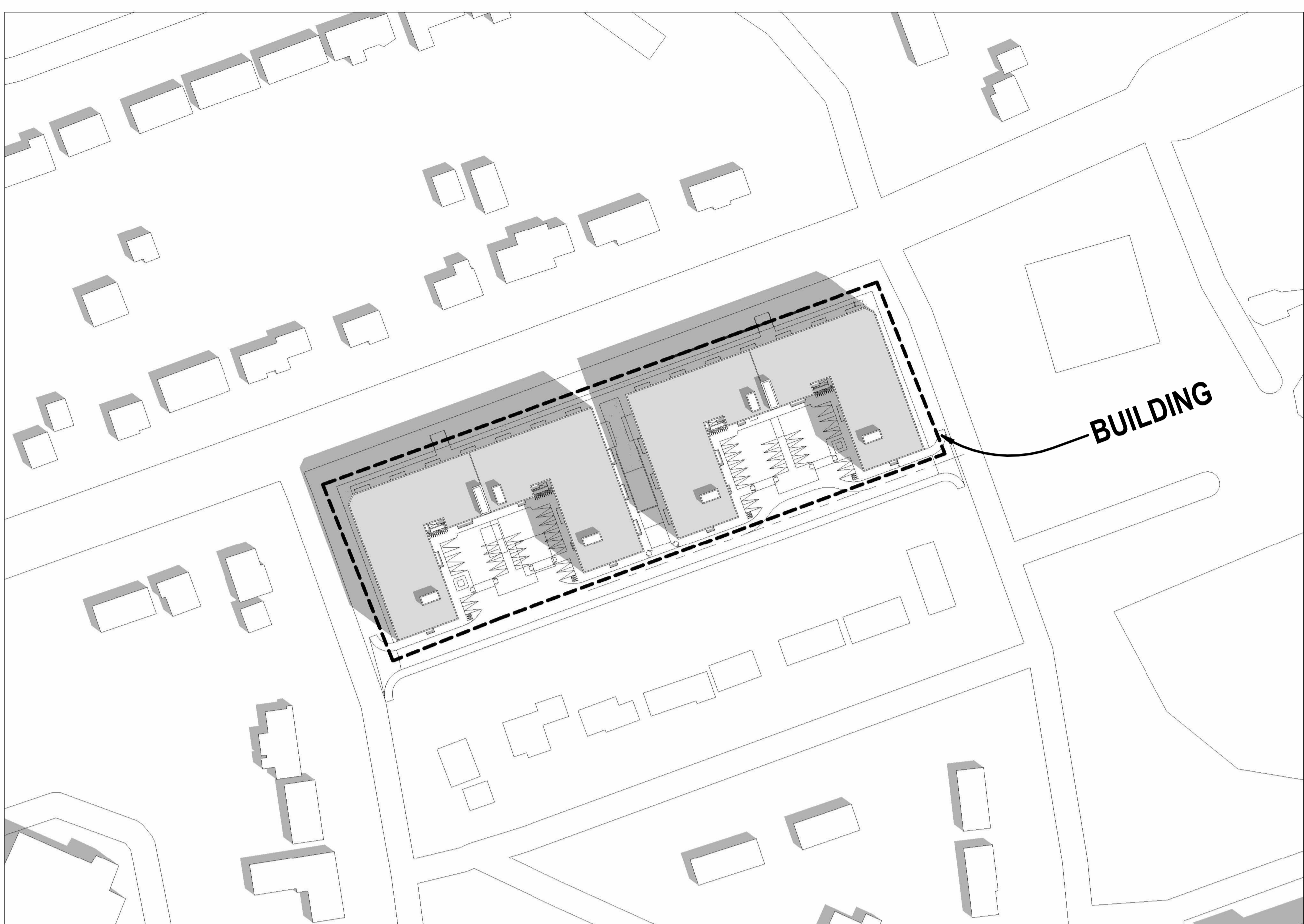


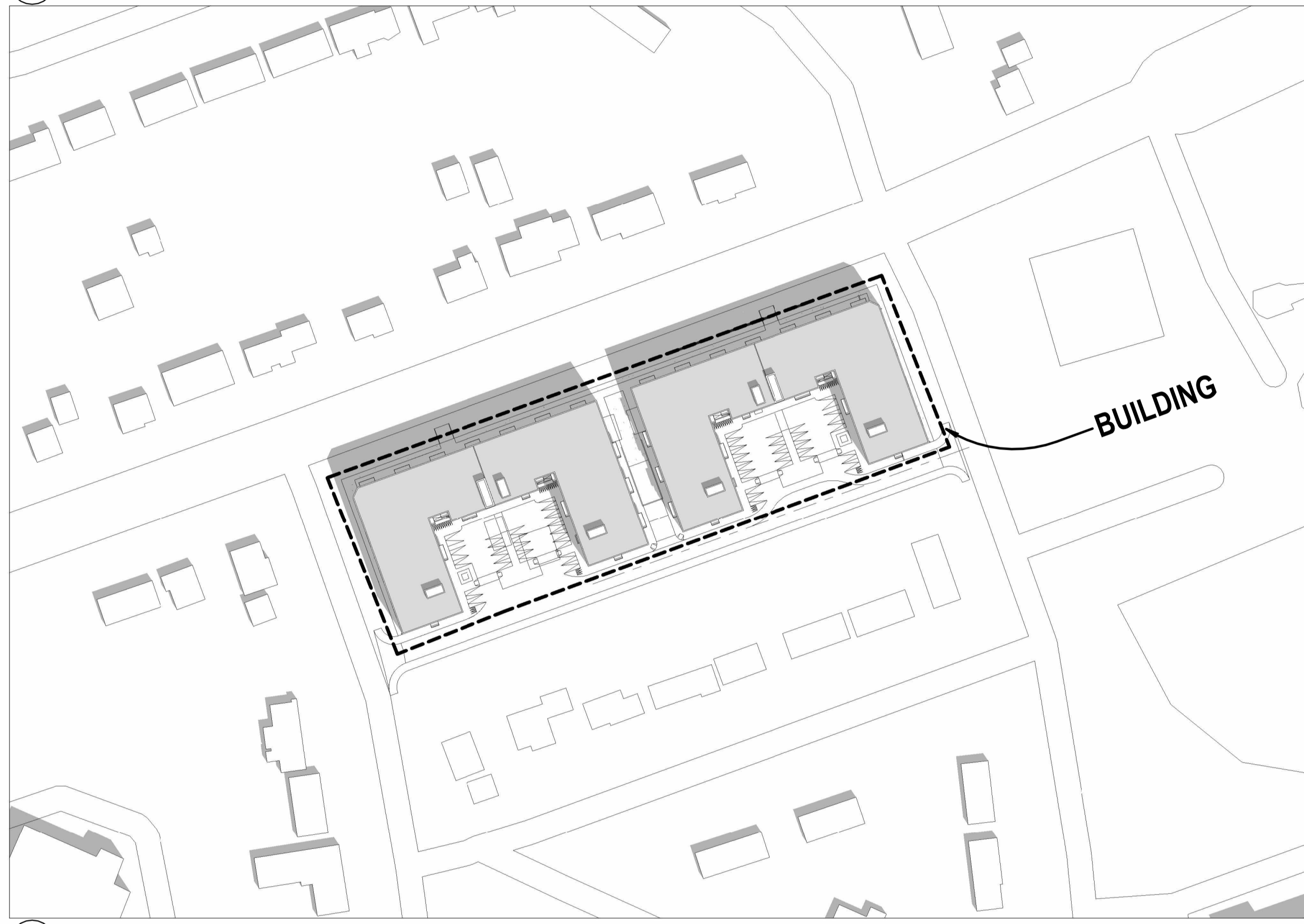
1 AD-1.1 April 21 - 7:58 AM 1:1200



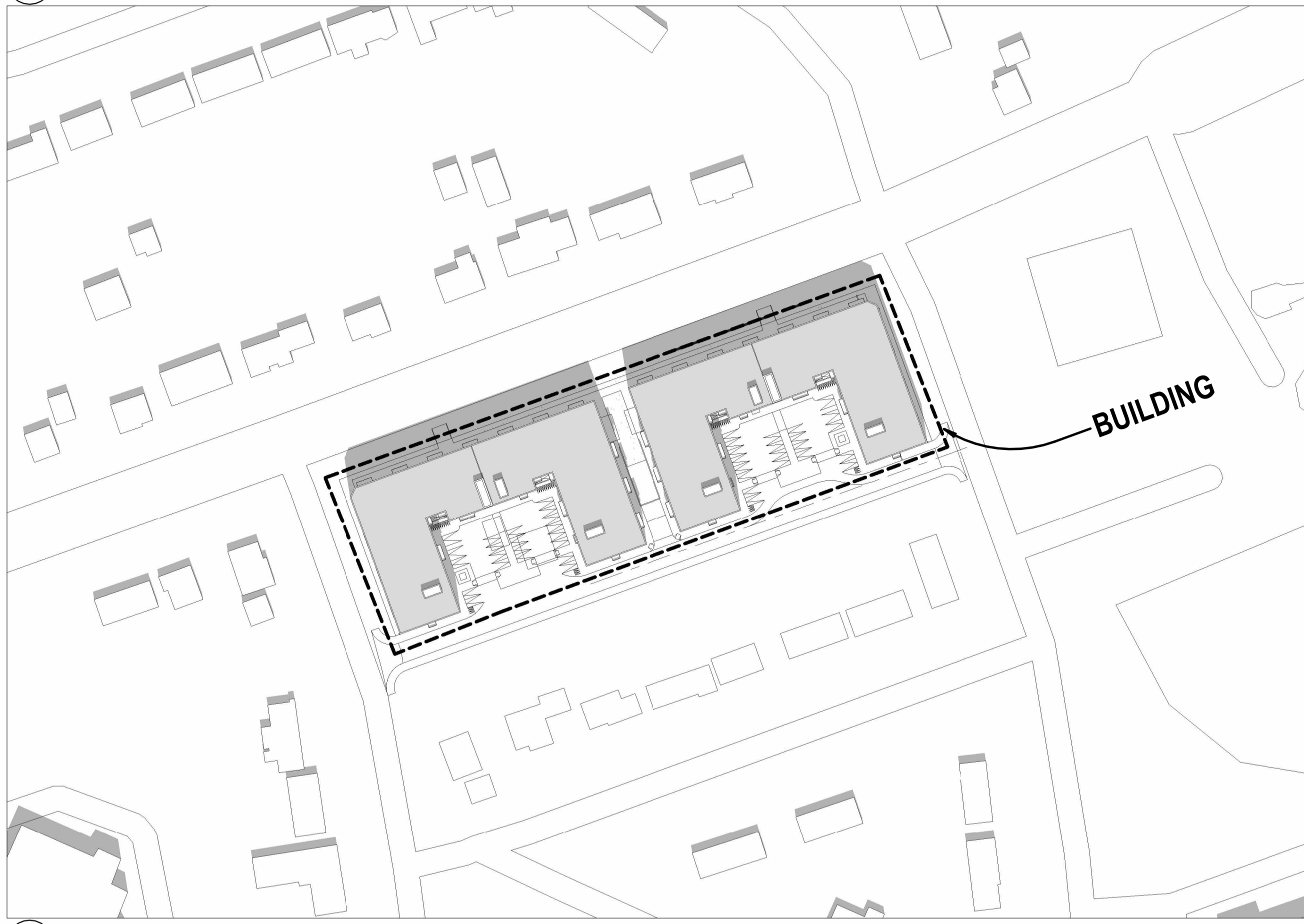
2 AD-1.1 April 21 - 8:58 AM 1:1200



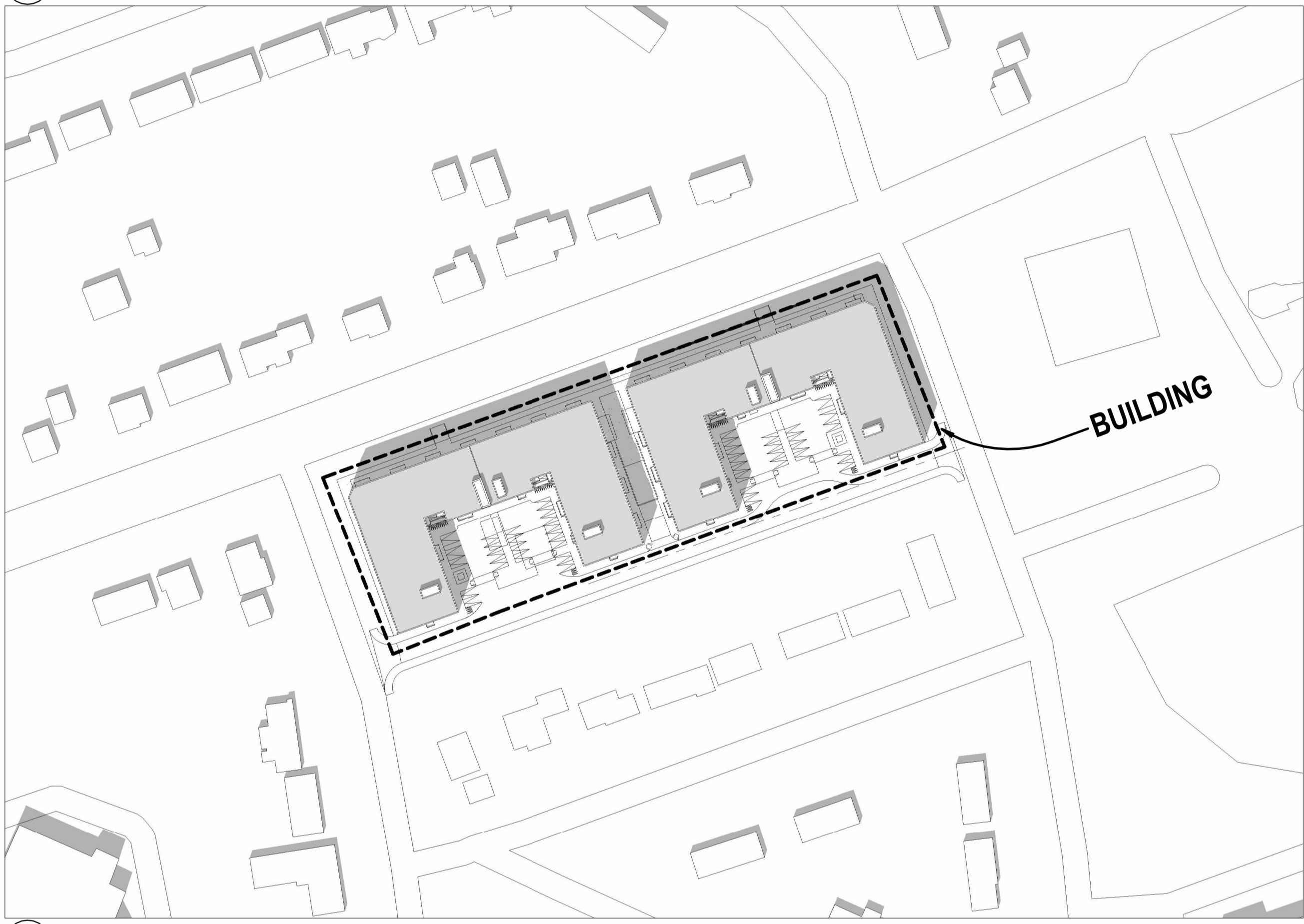
3 AD-1.1 April 21 - 9:58 AM 1:1200



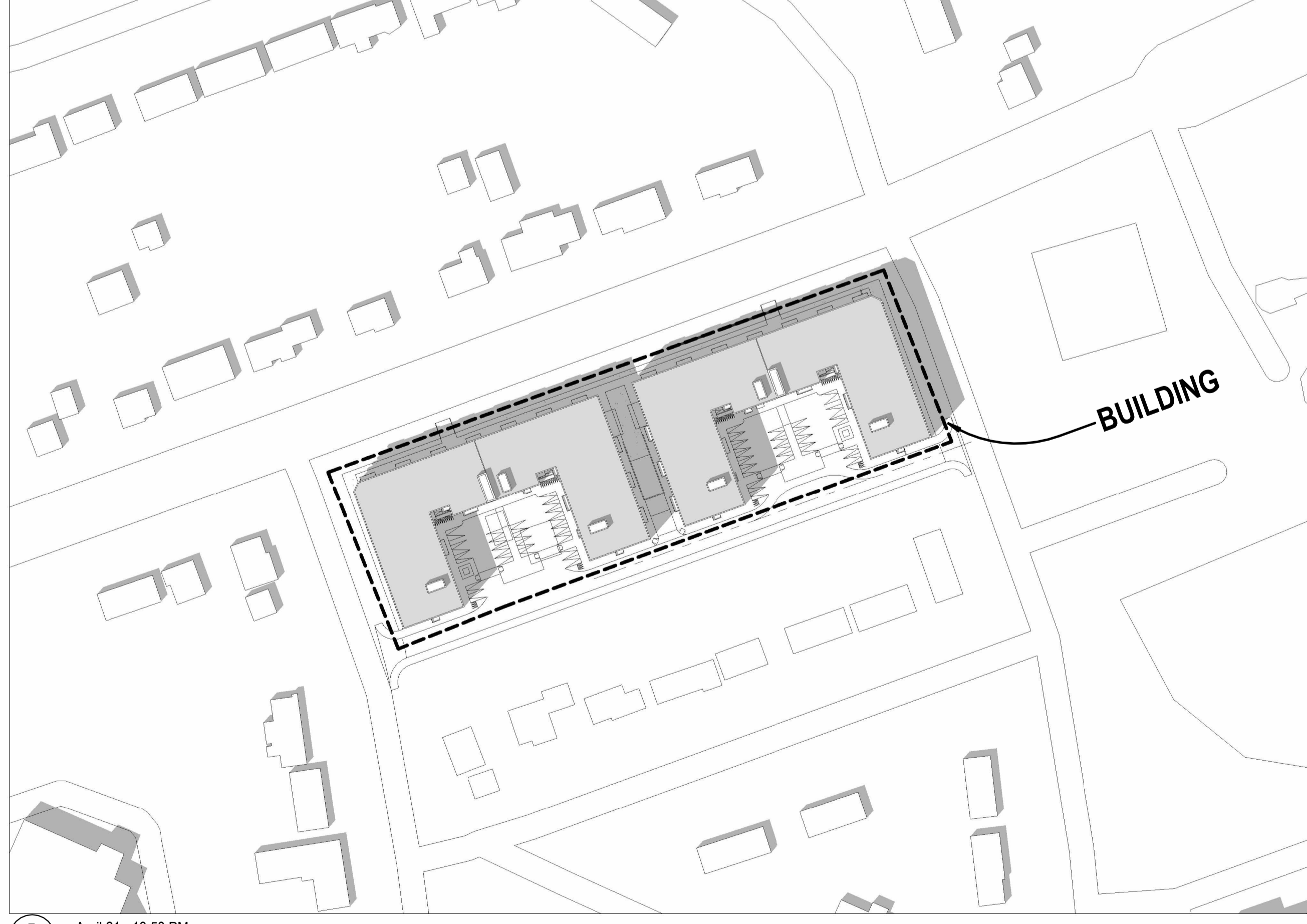
4 AD-1.1 April 21 - 10:58 AM 1:1200



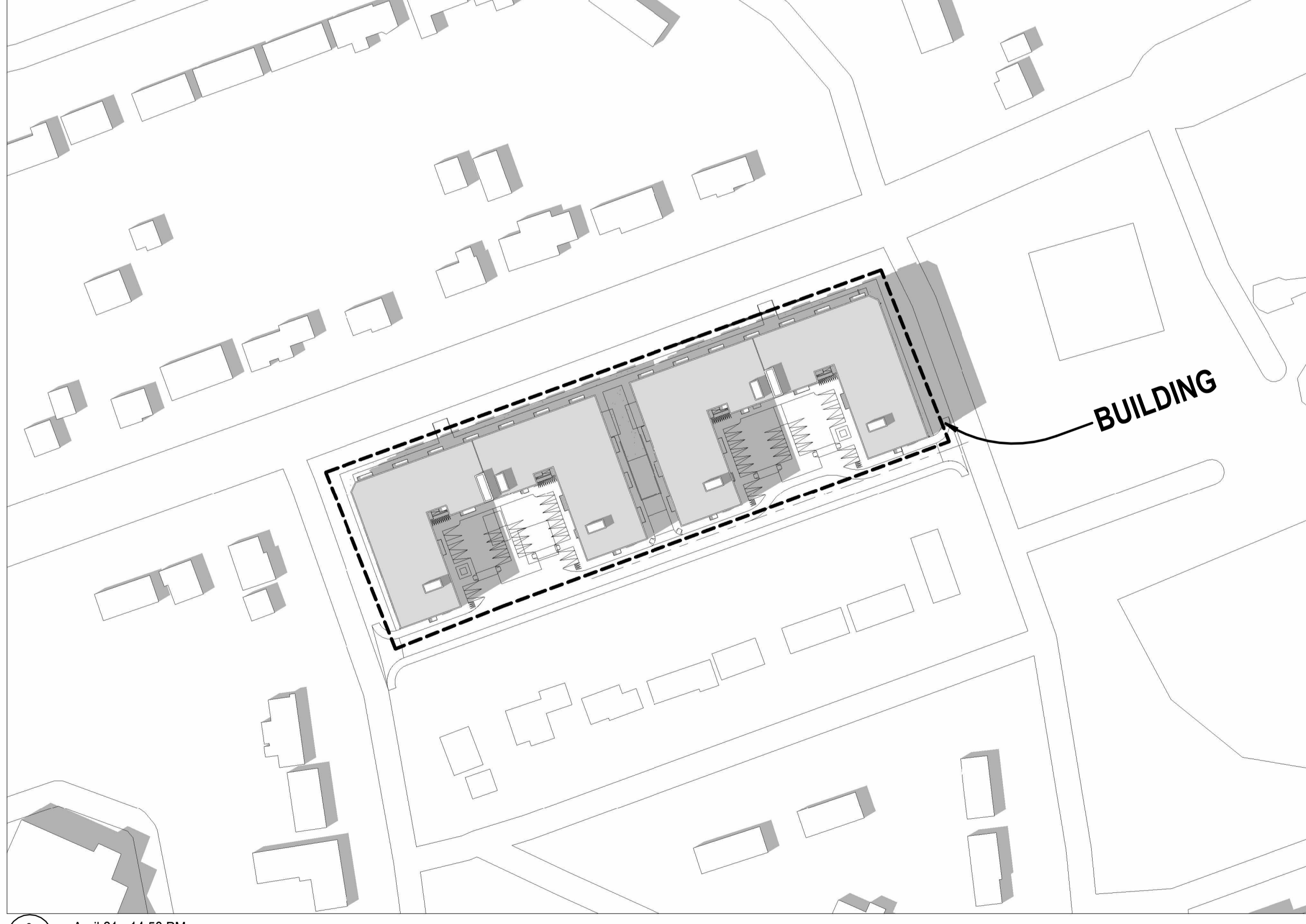
5 AD-1.1 April 21 - 11:58 AM 1:1200



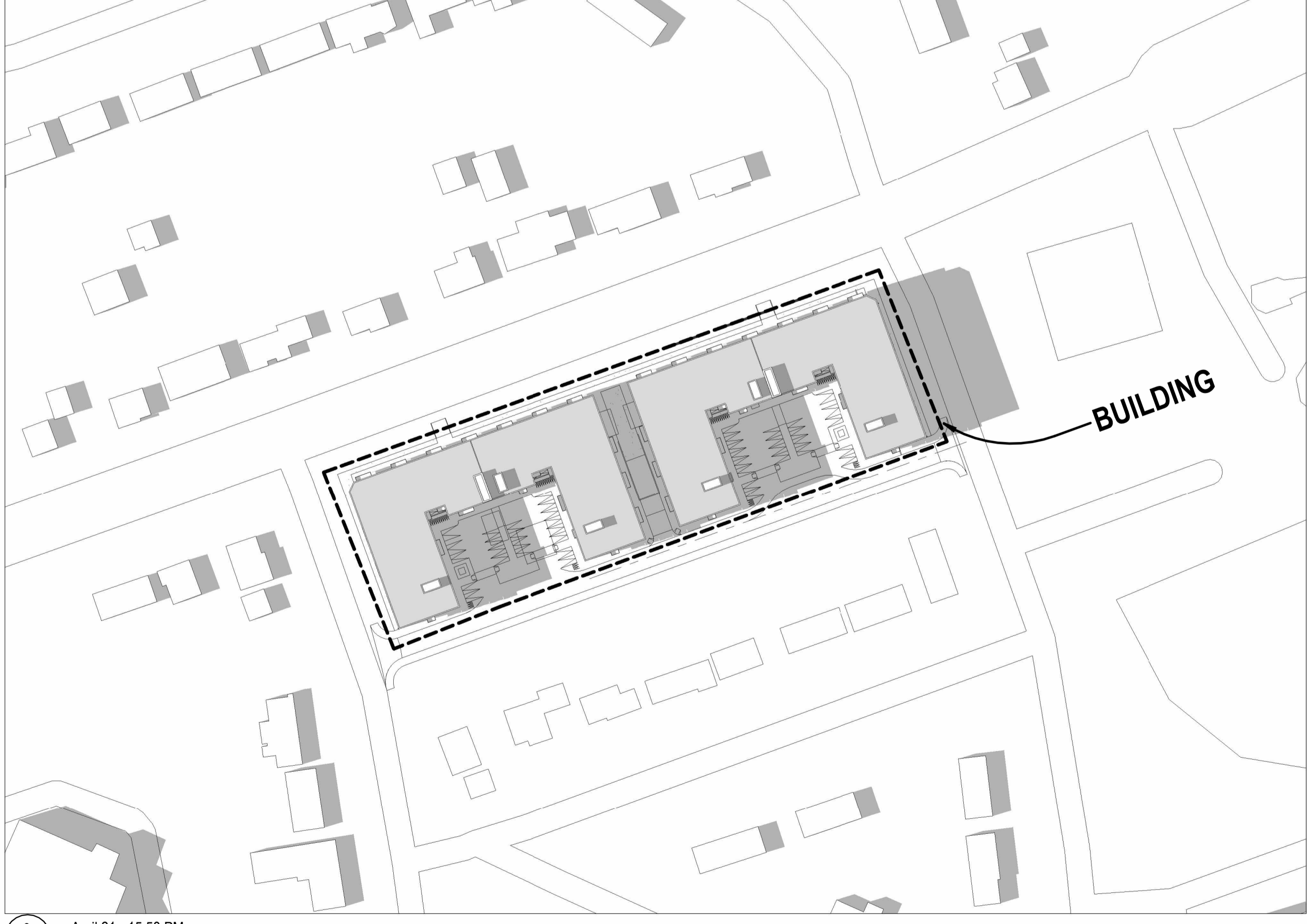
6 AD-1.1 April 21 - 12:58 PM 1:1200



7 AD-1.1 April 21 - 1:58 PM 1:1200



8 AD-1.1 April 21 - 14:58 PM 1:1200



9 AD-1.1 April 21 - 15:58 PM 1:1200

Sun Angles:
 Sun Angles are based on the latitude and longitude which specified by Barrie Development application guidelines

Latitude: 44.46 N
 Longitude: 79.64 W

Time Zone: Eastern
 Standard Time: UT - 5 Hours
 Daylight Time: UT - 4 Hours
 UT denotes Universal Time i.e. Greenwich Mean Time

Software Used:
 Autodesk Revit Architecture 2025

Shadow Study on April 21

Sun Shadow Timing April 21
 Hourly intervals start 1.5 hours after sunrise and end 1.5 hours before sunset.

LOCAL TIME EDT		
7:58	8:58	9:58
10:58	11:58	12:58
13:58	14:58	15:58
16:58	17:58	18:36

Sunrise: 6:28
 Sunset: 20:06

Shadow impacts from proposed development does not exceed two afternoon consecutive hourly test time on April 21, June 21, September 21 and December 21

The proposed development allows adequate sunlight on building faces and roofs for the possibility of using solar energy.

ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE LATEST ONTARIO BUILDING CODE.
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SEALS
PRELIMINARY

REVISIONS		
#	DATE	REMARKS
01	2024 11 22	ISSUED FOR SITE PLAN APPROVAL

PROJECT TITLE
APARTMENT BUILDING

545-565 BIG BAY POINT ROAD, BARRIE ON

DRAWING TITLE
 SUN SHADOW STUDY APRIL 21

DRAWN BY
 LA

SCALE
 1:1200

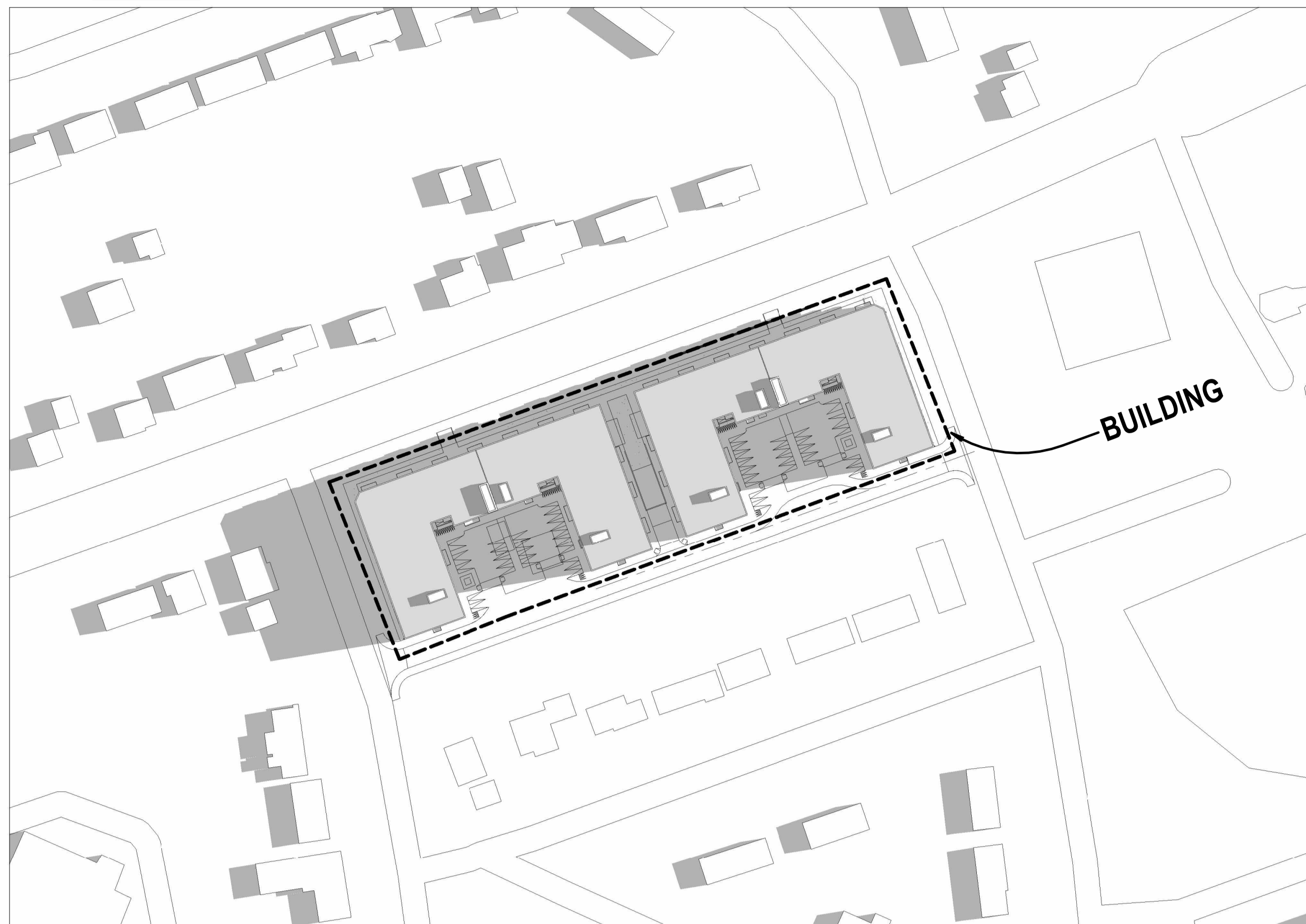
DATE
 NOVEMBER 2024

CHECKED BY
 FL

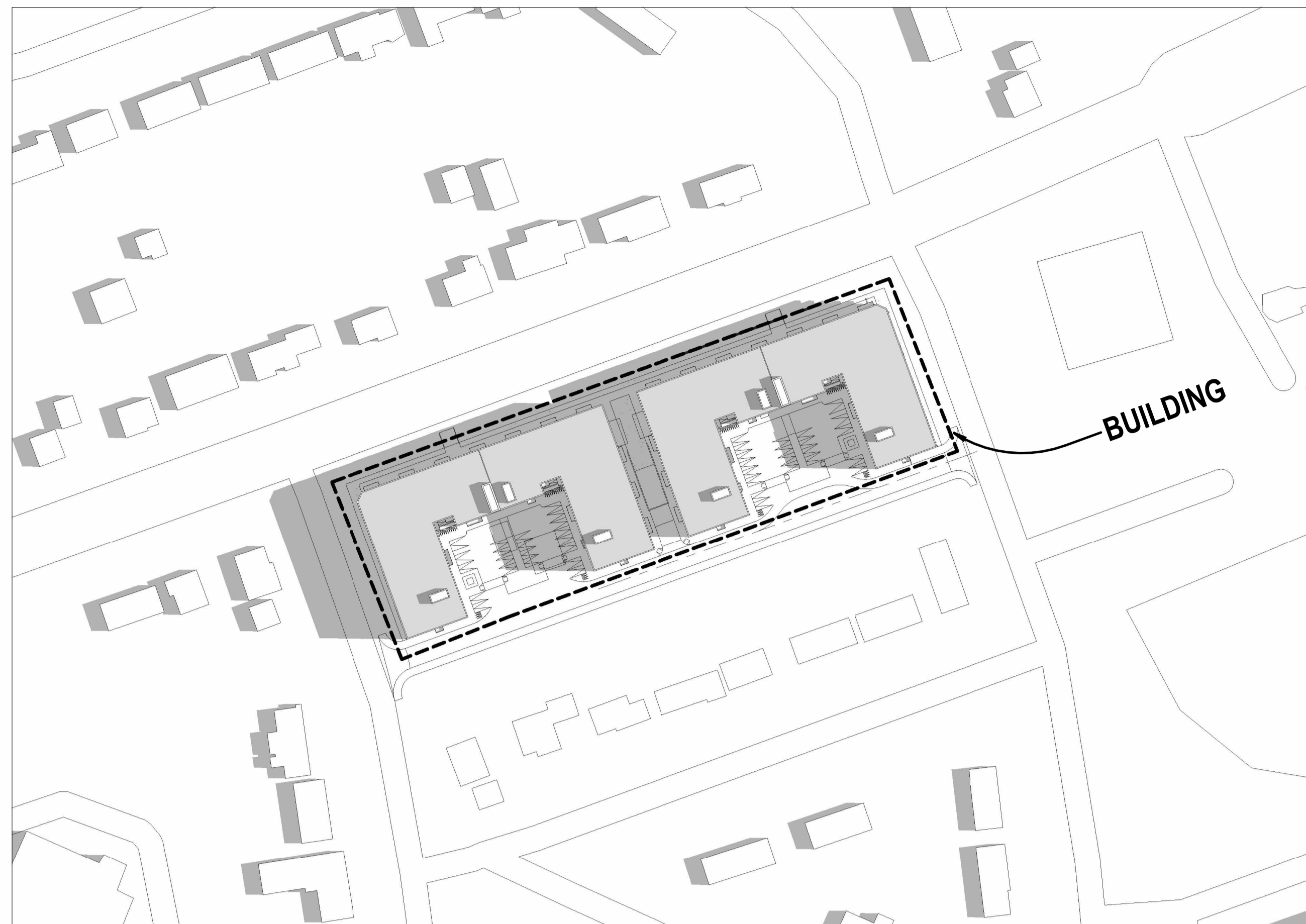
PROJECT NUMBER
 24-666

DRAWING NUMBER

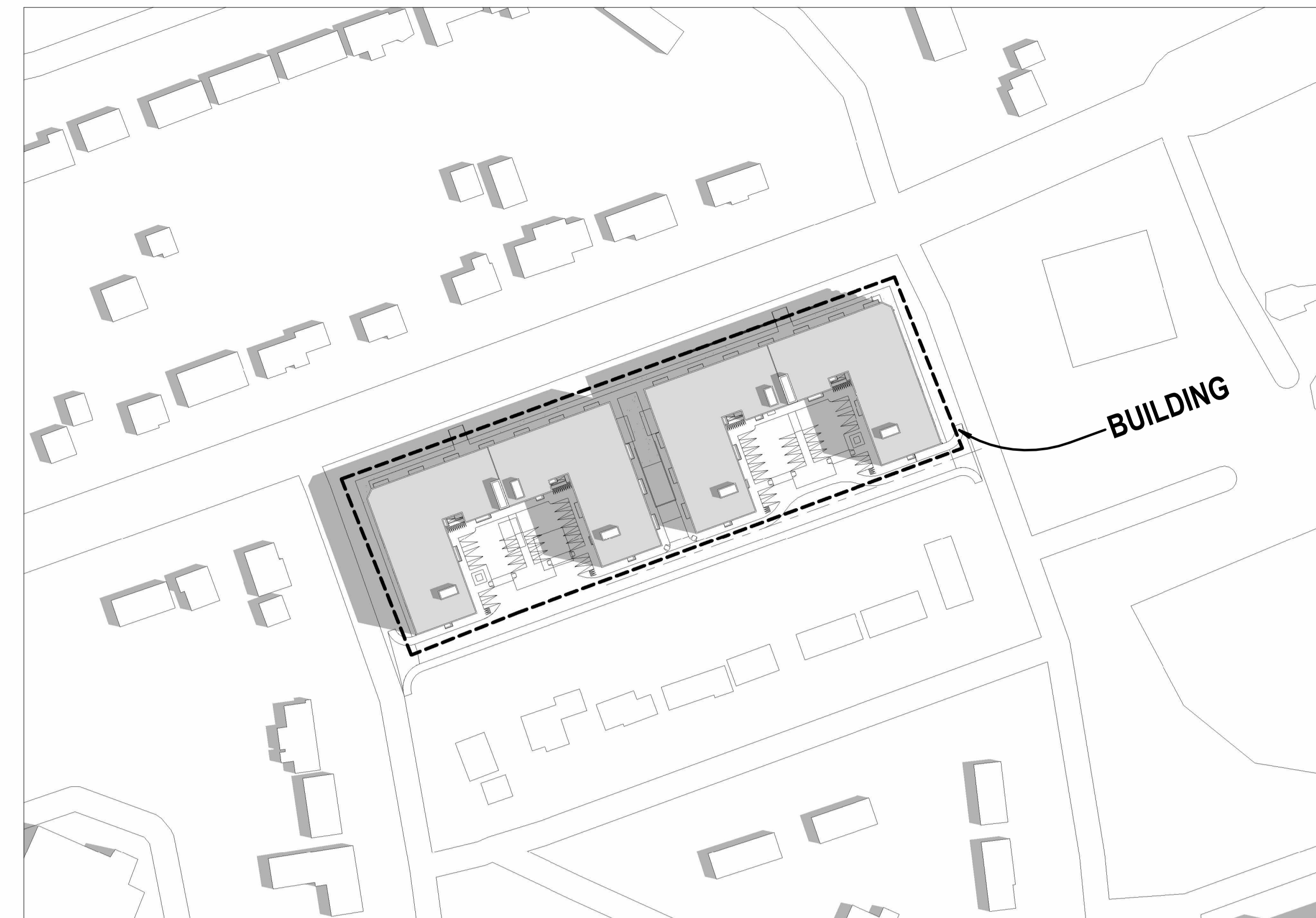
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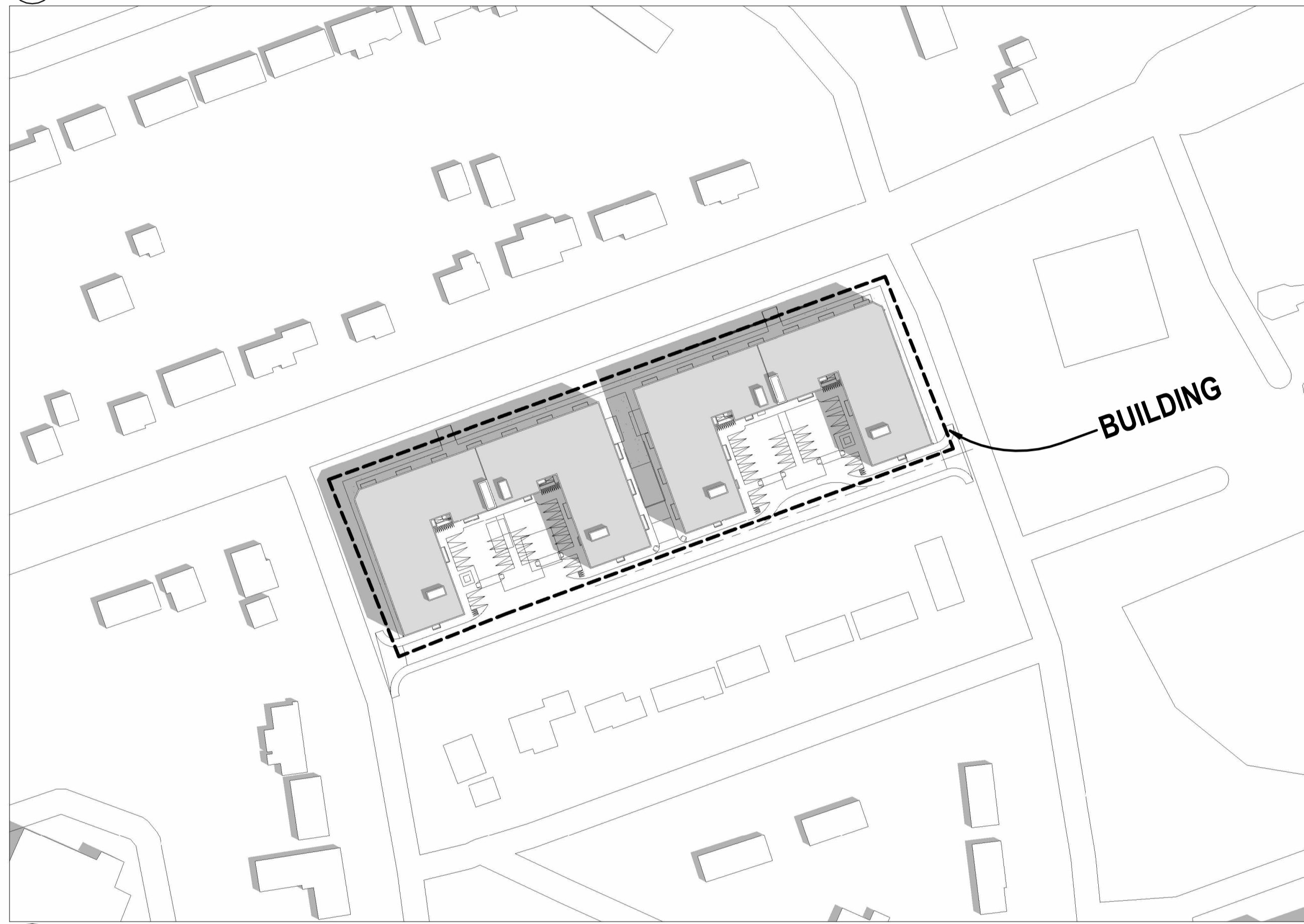
1 June 21 - 7:10 AM
AD-1.3 1:1200



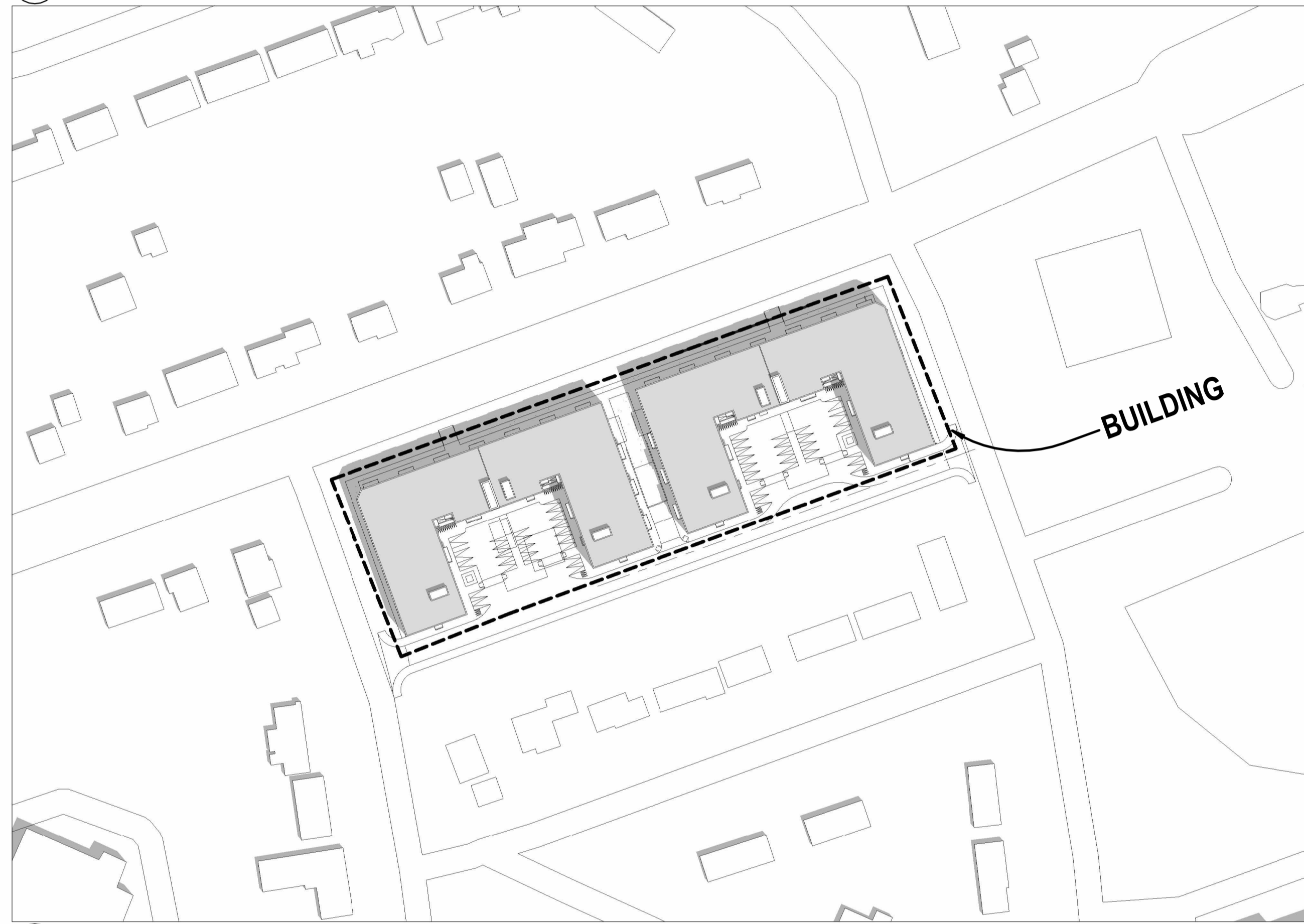
2 June 21 - 8:10 AM
AD-1.3 1:1200



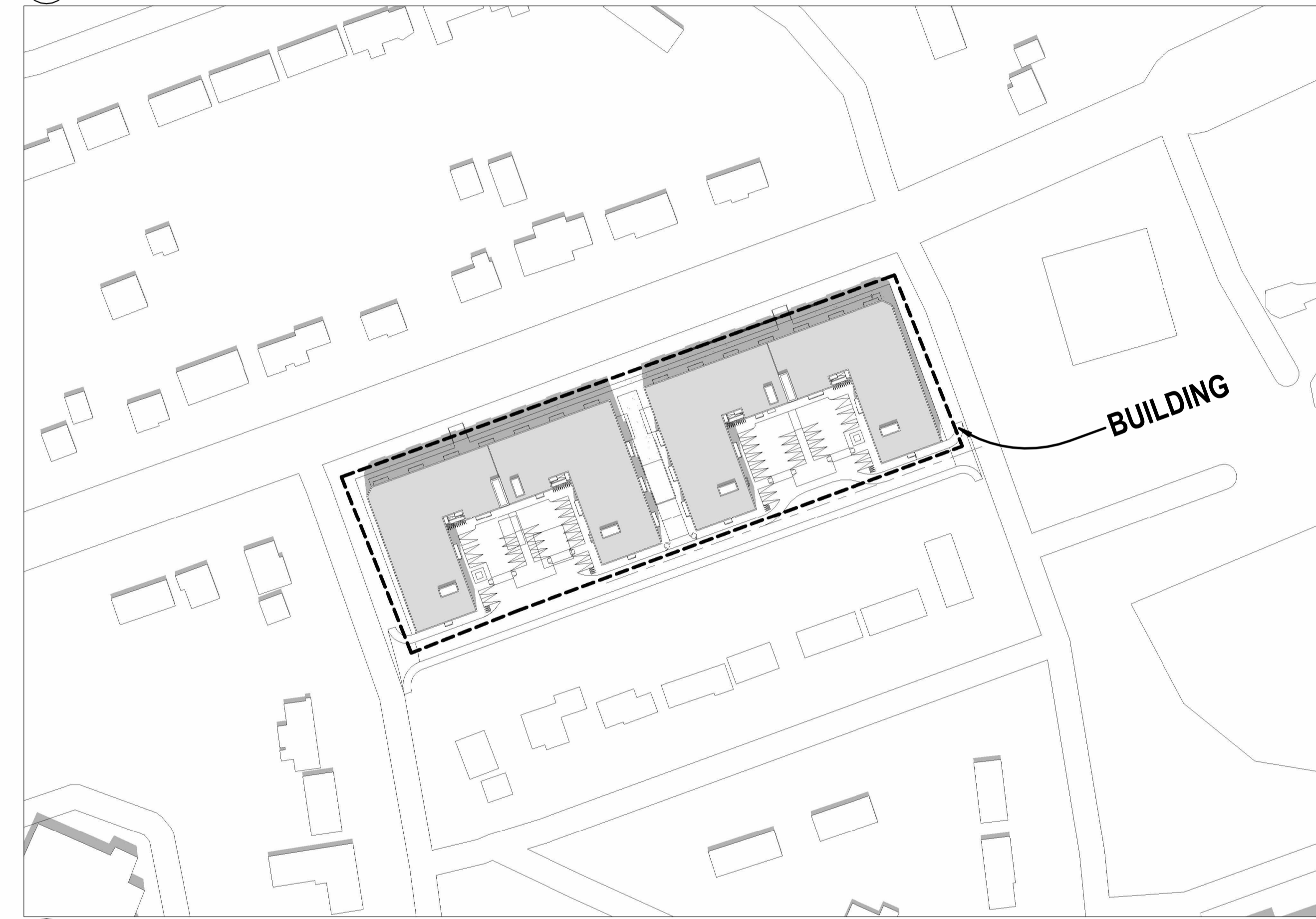
3 June 21 - 9:10 AM
AD-1.3 1:1200



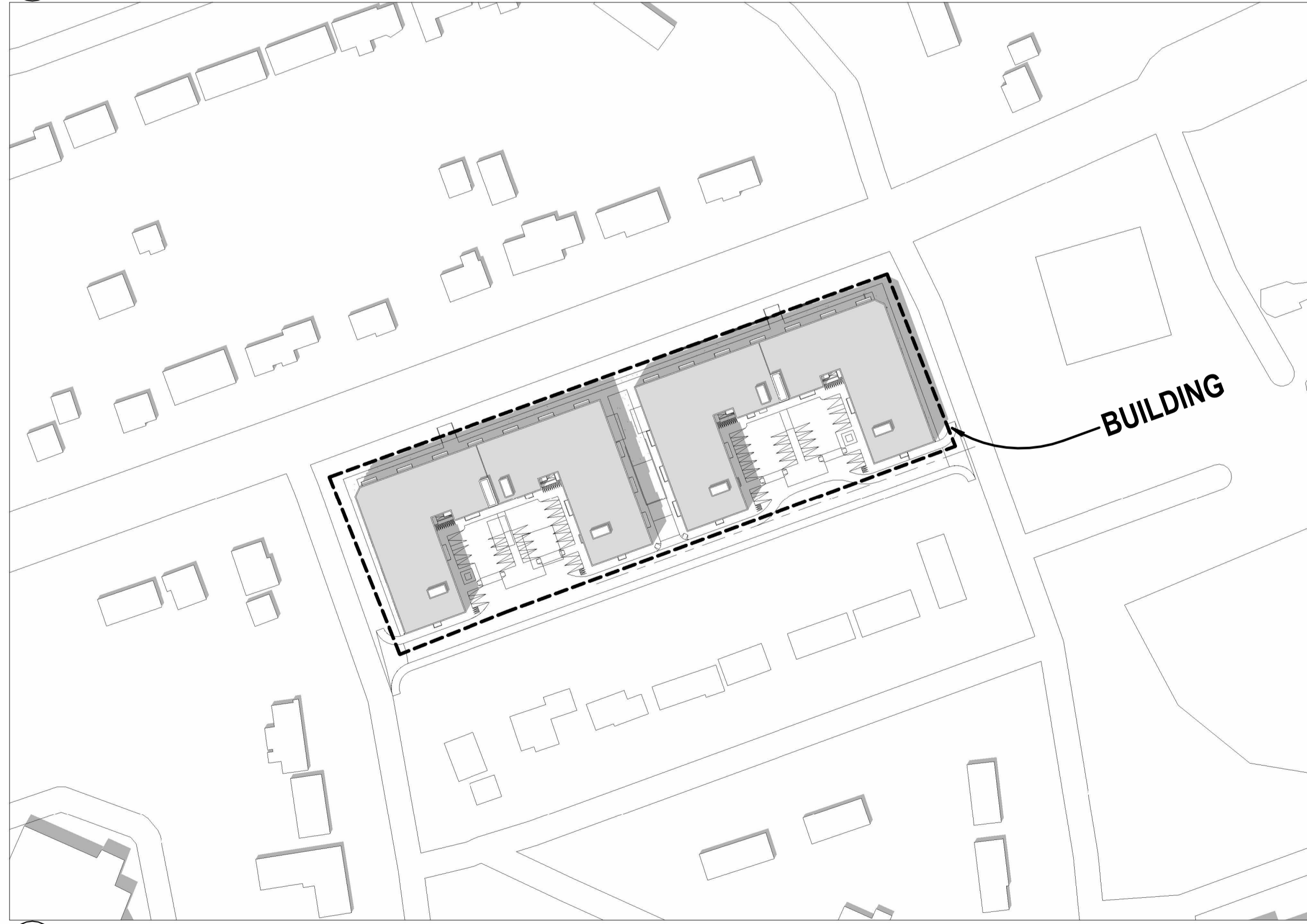
4 June 21 - 10:10 AM
AD-1.3 1:1200



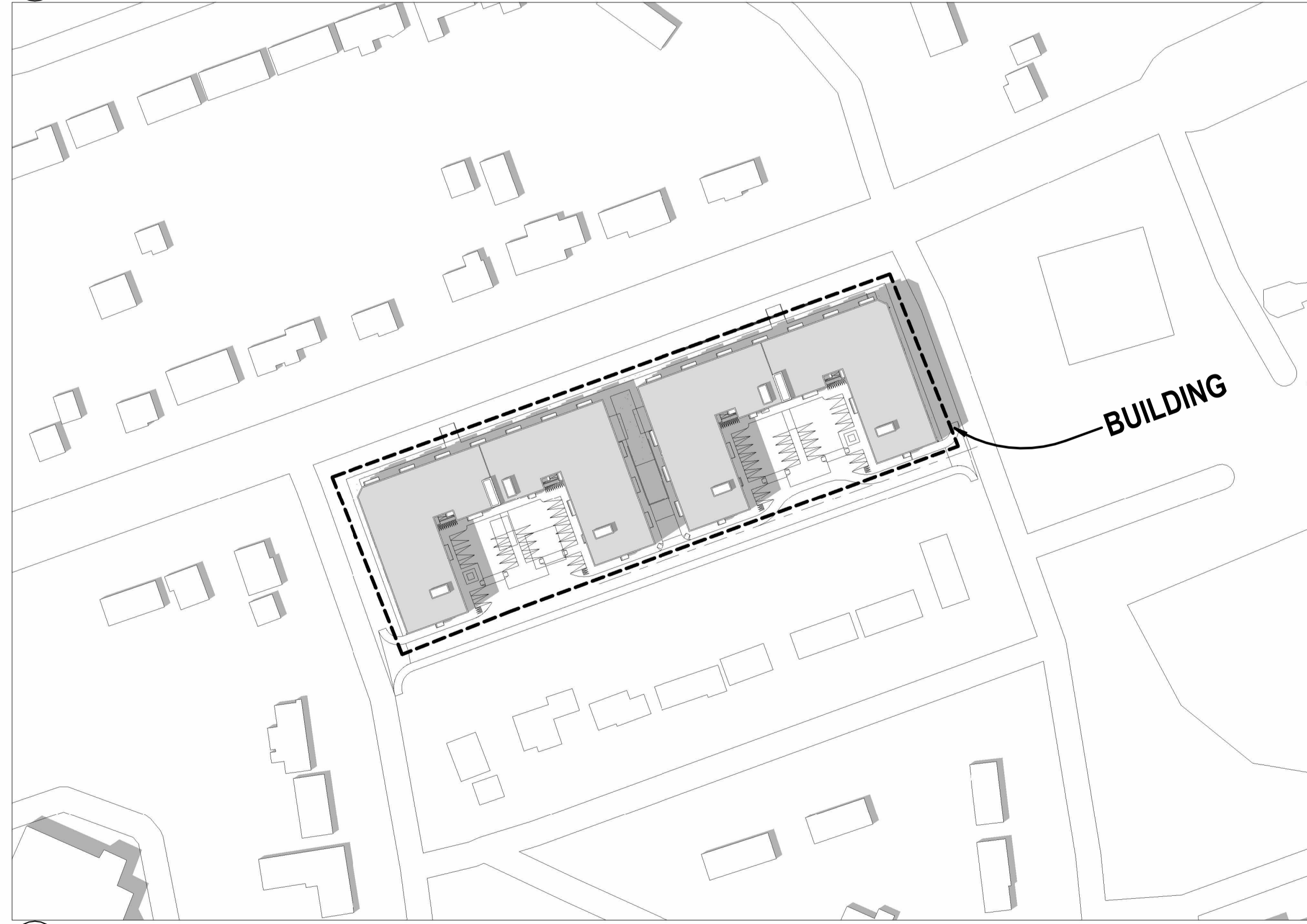
5 June 21 - 11:10 AM
AD-1.3 1:1200



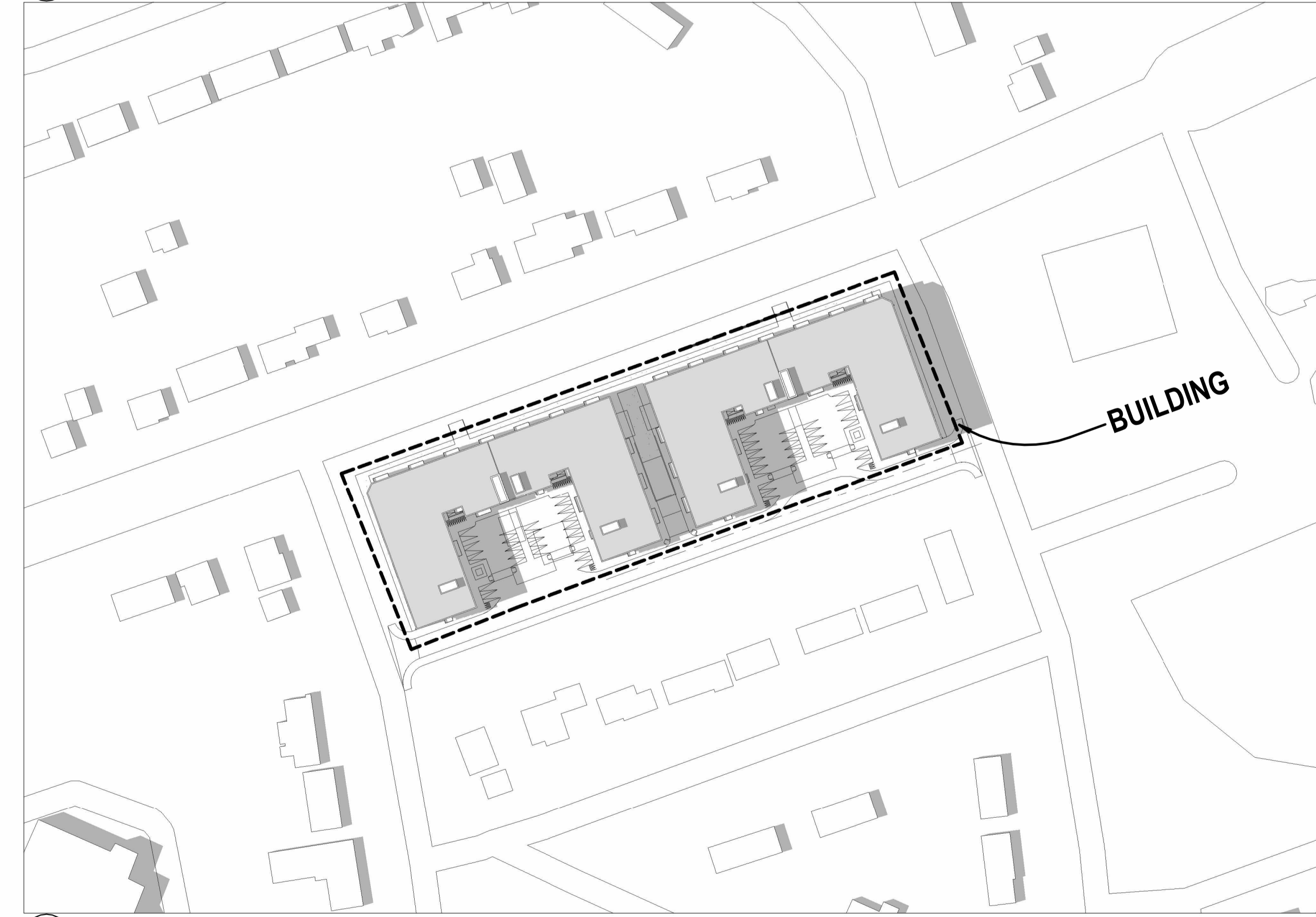
6 June 21 - 12:10 PM
AD-1.3 1:1200



7 June 21 - 1:10 PM
AD-1.3 1:1200



8 June 21 - 14:10 PM
AD-1.3 1:1200



9 June 21 - 15:10 PM
AD-1.3 1:1200

Sun Angles:

Sun Angles are based on the latitude and longitude which specified by Barrie Development application guidelines

Time Zone: Eastern
Standard Time: UT - 5 Hours
Daylight Time: UT - 4 Hours
UT denotes Universal Time i.e. Greenwich Mean Time

Latitude: 44.35 N
Longitude: 79.64 W

Software Used:
Autodesk Revit Architecture 2025

Shadow Study on June 21

Sun Shadow Timing June 21
Hourly intervals start 1.5 hours after sunrise and end 1.5 hours before sunset.

Sunrise: 5:40
Sunset: 21:02

LOCAL TIME EDT

7:10	8:10	9:10
10:10	11:10	12:10
13:10	14:10	15:10
16:10	17:10	18:10
19:32		

Shadow impacts from proposed development does not exceed two afternoon consecutive hourly test time on April 21, June 21, September 21 and December 21

The proposed development allows adequate sunlight on building faces and roofs for the possibility of using solar energy.

ALL WORK SHALL BE CARRIED OUT IN ACCORDANCE WITH THE LATEST ONTARIO BUILDING CODE.
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REVISIONS

#	DATE	REMARKS
01	2024 11 22	ISSUED FOR SITE PLAN APPROVAL

PROJECT TITLE

APARTMENT BUILDING

545-565 BAY POINT ROAD, BARRIE ON

DRAWING TITLE

SUN SHADOW STUDY JUNE 21

DRAWN BY

LA

SCALE

1:1200

DATE

NOVEMBER 2024

CHECKED BY

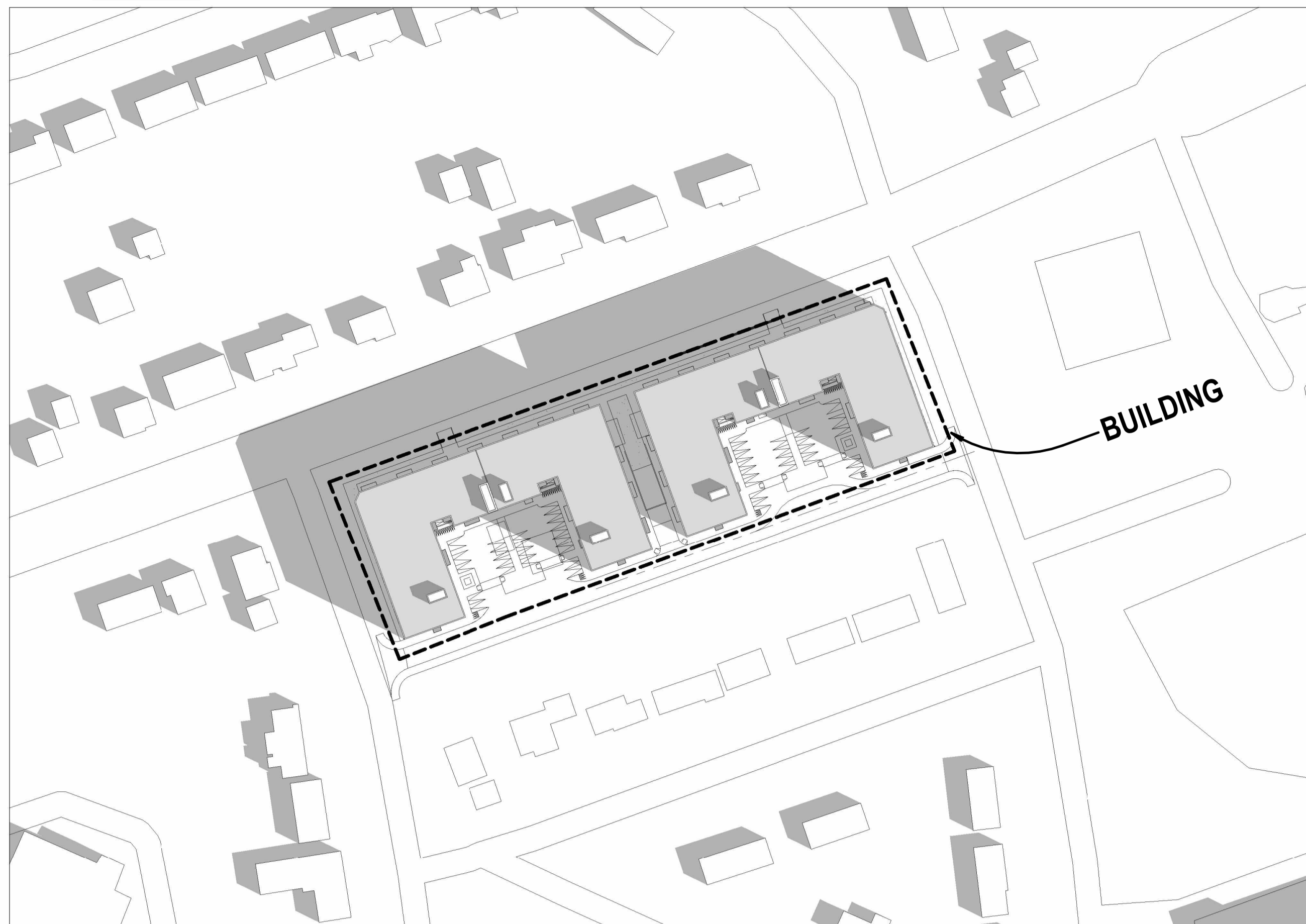
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PROJECT NUMBER

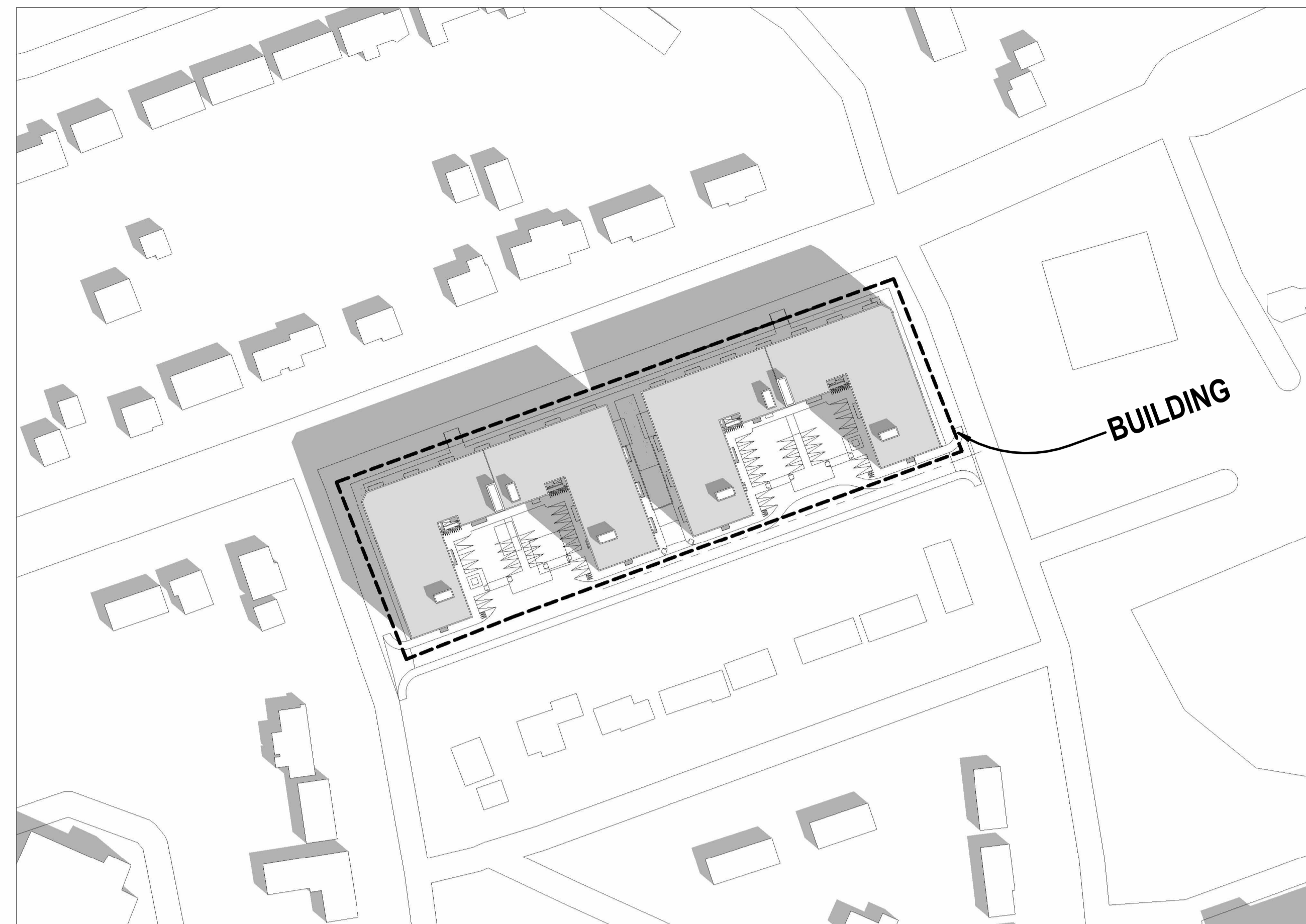
24-666

DRAWING NUMBER

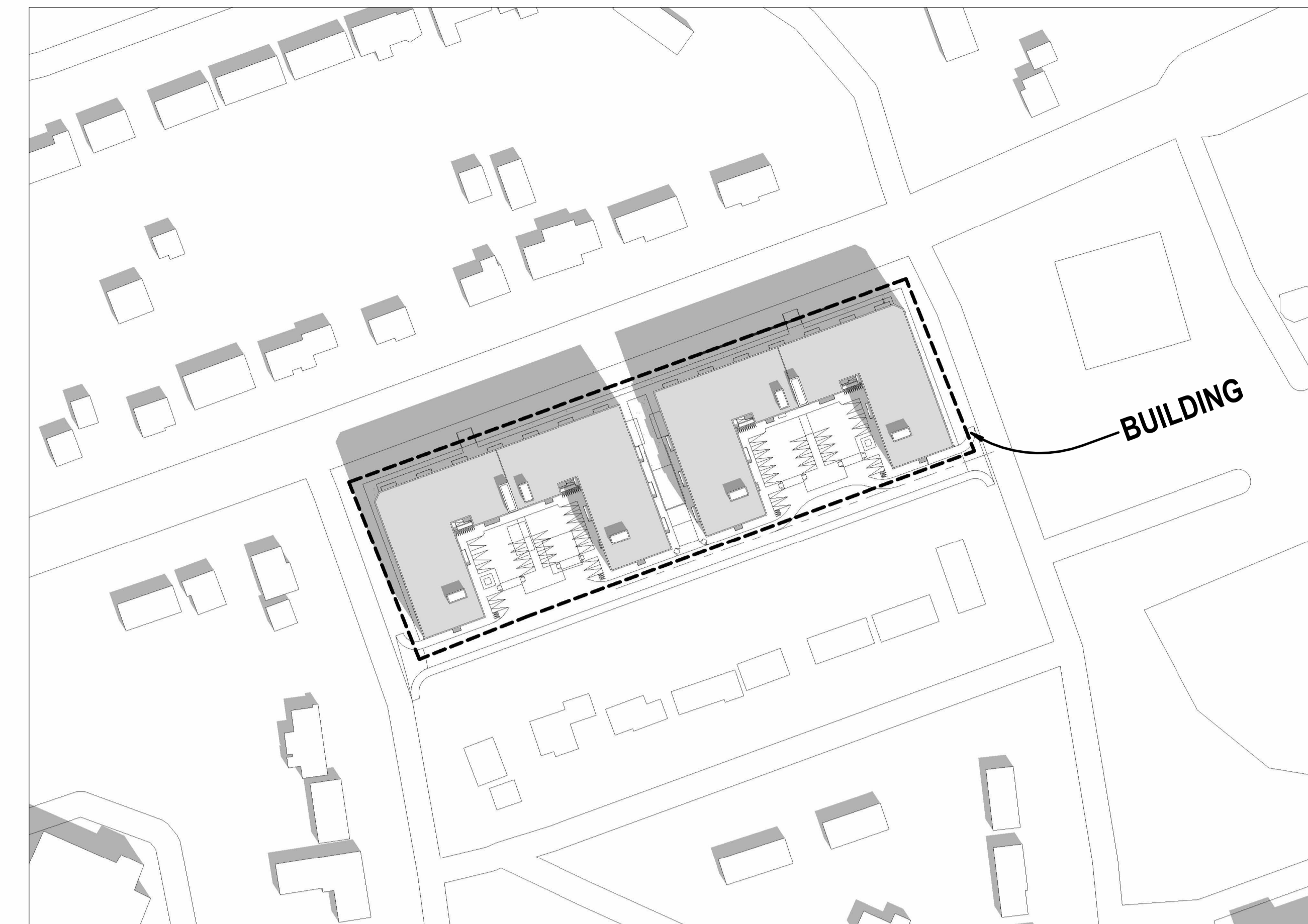
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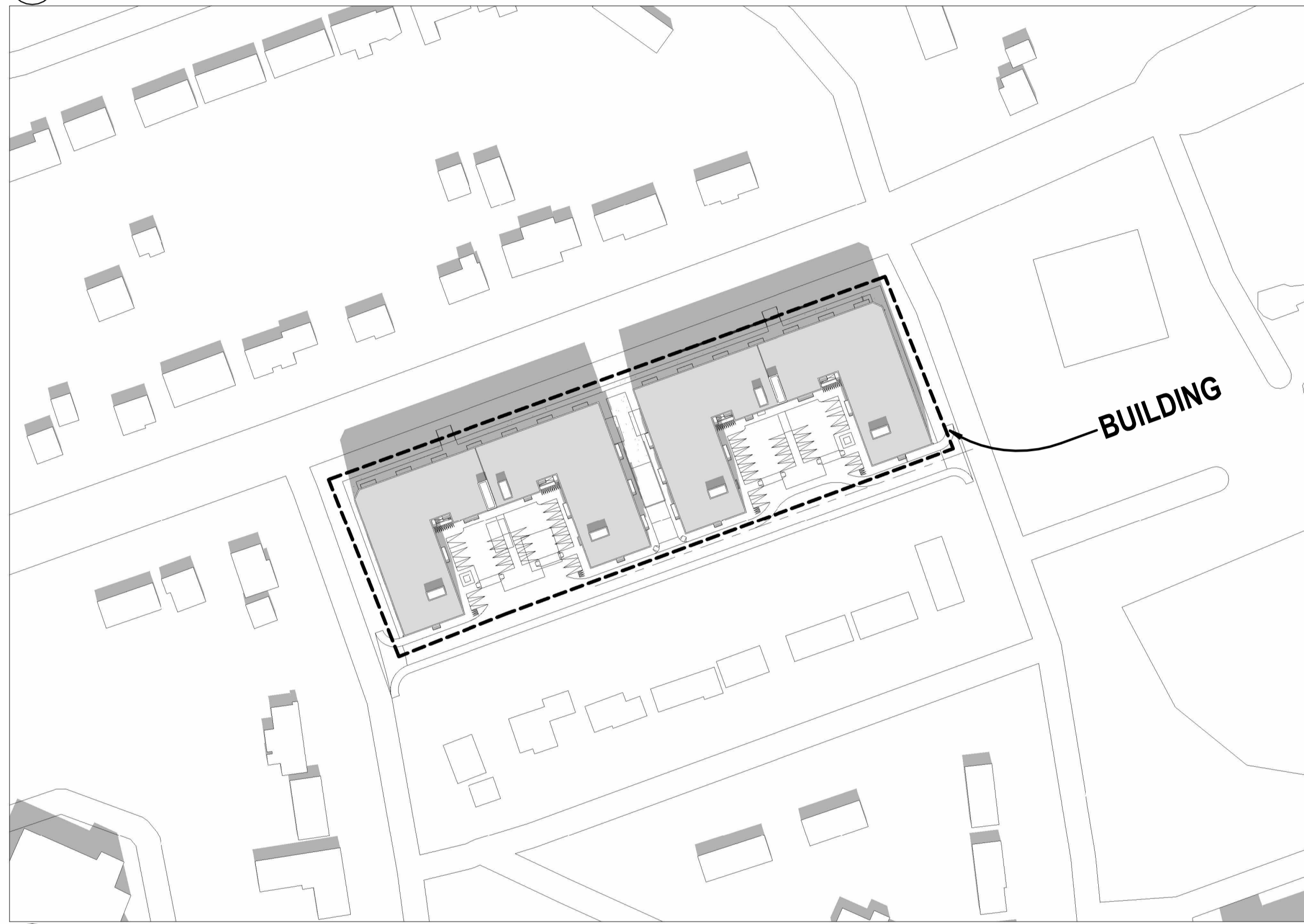
1 September 21 - 8:35 AM
AD-1.5 1:1200



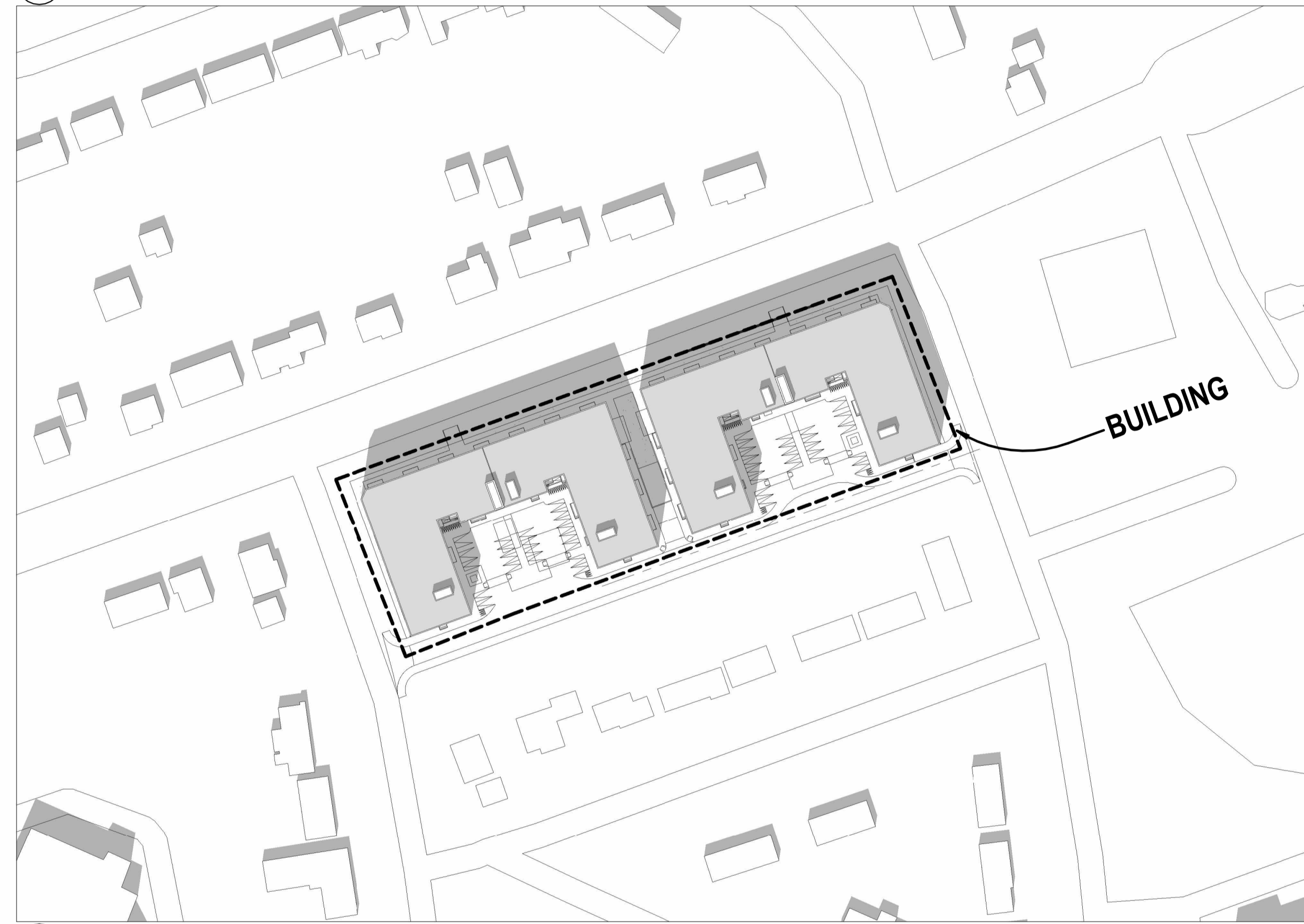
2 September 21 - 9:35 AM
AD-1.5 1:1200



3 September 21 - 10:35 AM
AD-1.5 1:1200



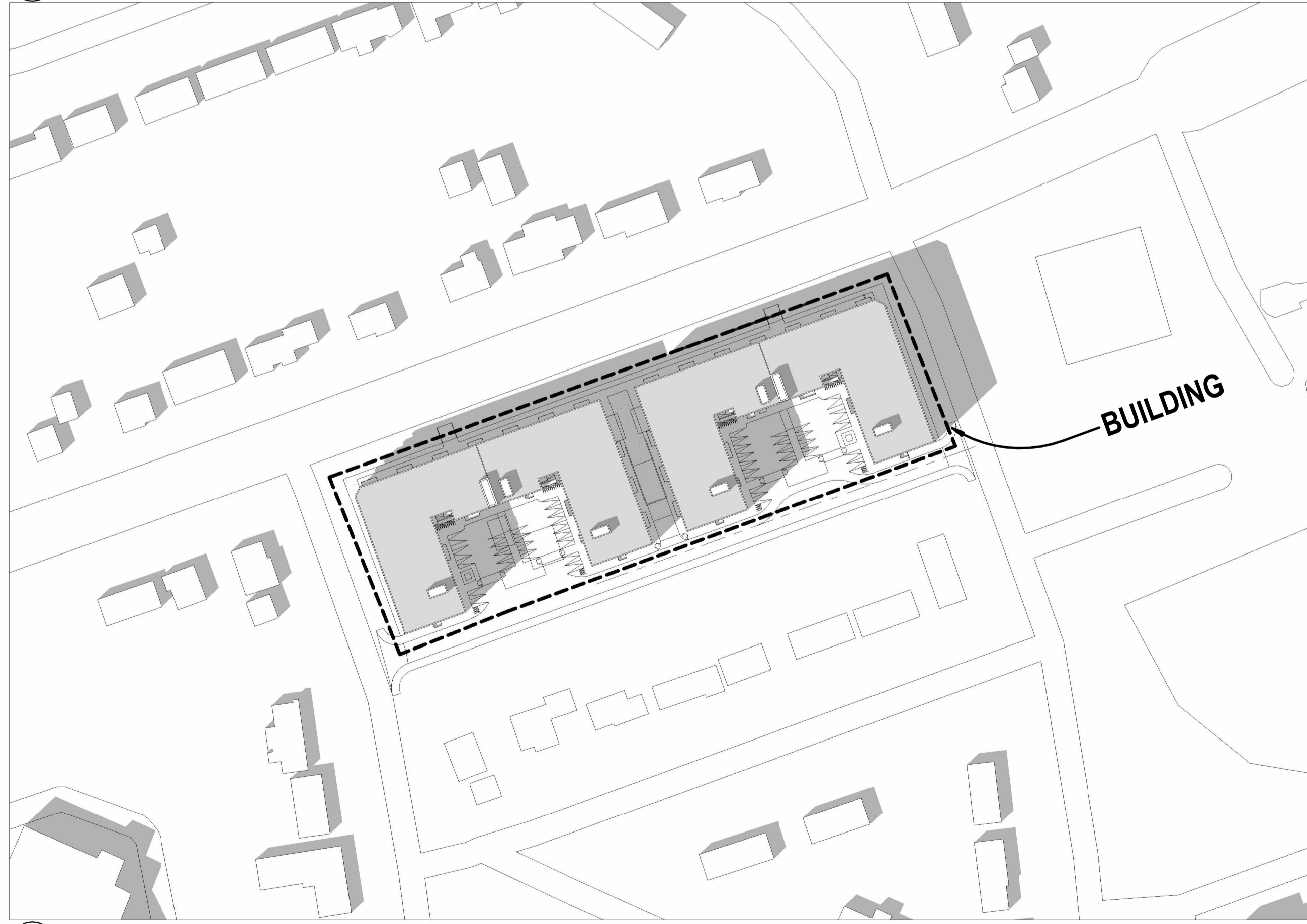
4 September 21 - 11:35 AM
AD-1.5 1:1200



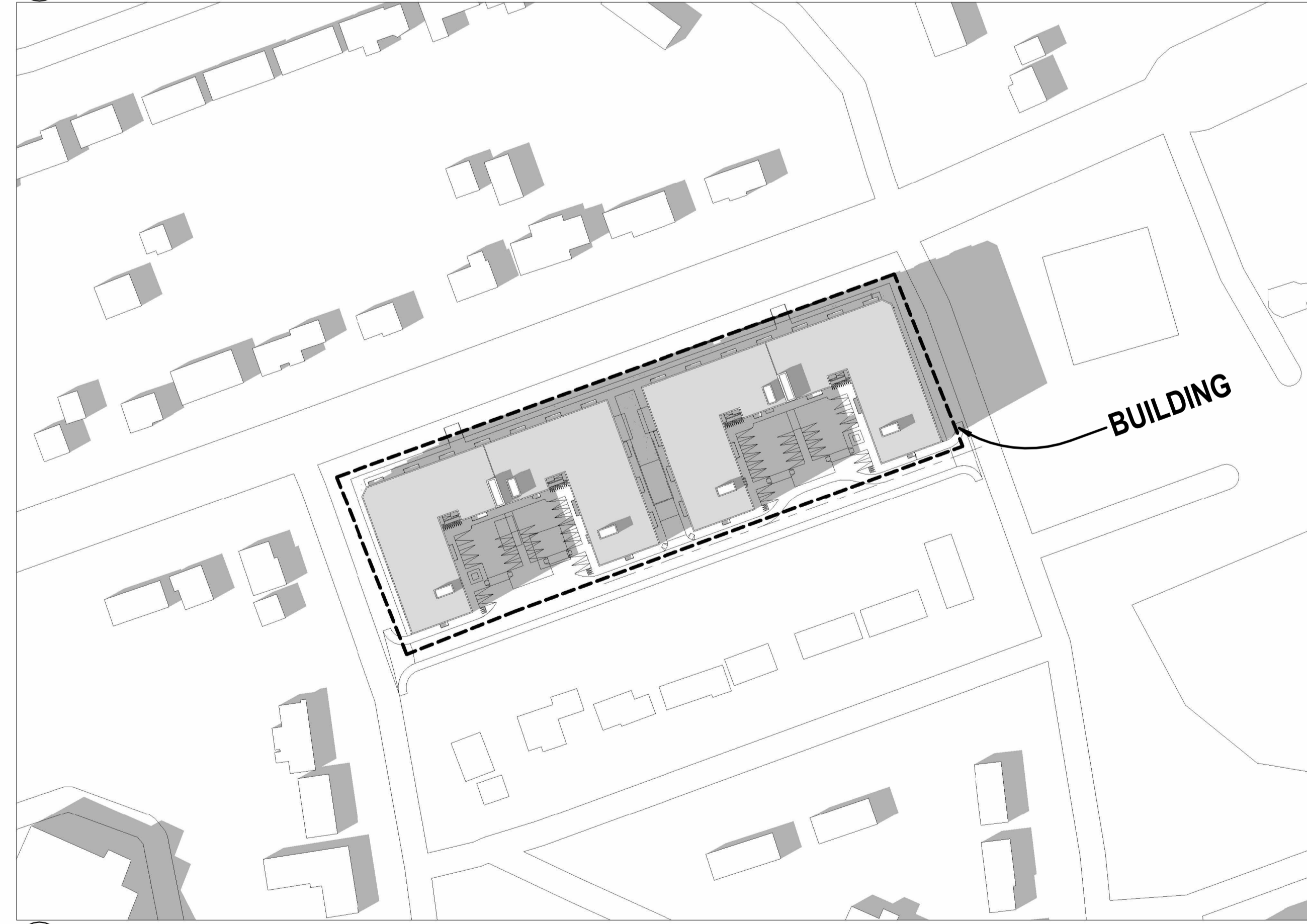
5 September 21 - 12:35 PM
AD-1.5 1:1200



6 September 21 - 13:35 PM
AD-1.5 1:1200



7 September 21 - 14:35 PM
AD-1.5 1:1200



8 September 21 - 15:35 PM
AD-1.5 1:1200



9 September 21 - 16:35 PM
AD-1.5 1:1200

Sun Angles:
Latitude: 44.35 N
Longitude: 79.64 W

Time Zone: Eastern
Standard Time: UT - 5 Hours
Daylight Time: UT - 4 Hours
UT denotes Universal Time i.e. Greenwich Mean Time

Software Used:
Autodesk Revit Architecture 2025

Shadow Study on September 21

Sun Shadow Timing September 21
Hourly intervals start 1.5 hours after sunrise and end 1.5 hours before sunset.

LOCAL TIME EDT		
8:35	9:35	10:35
11:35	12:35	13:35
14:35	15:35	16:35
17:35	17:48	

Sunrise: 7:05
Sunset: 19:18

Shadow impacts from proposed development does not exceed two afternoon consecutive hourly test time on April 21, June 21, September 21 and December 21

The proposed development allows adequate sunlight on building faces and roofs for the possibility of using solar energy.

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#	DATE	REMARKS
01	2024 11 22	ISSUED FOR SITE PLAN APPROVAL

PROJECT TITLE
APARTMENT BUILDING

545-565 BIG BAY POINT ROAD, BARRIE ON

DRAWING TITLE
SUN SHADOW STUDY SEPTEMBER 21

DRAWN BY
LA

SCALE
1:1200

DATE
NOVEMBER 2024

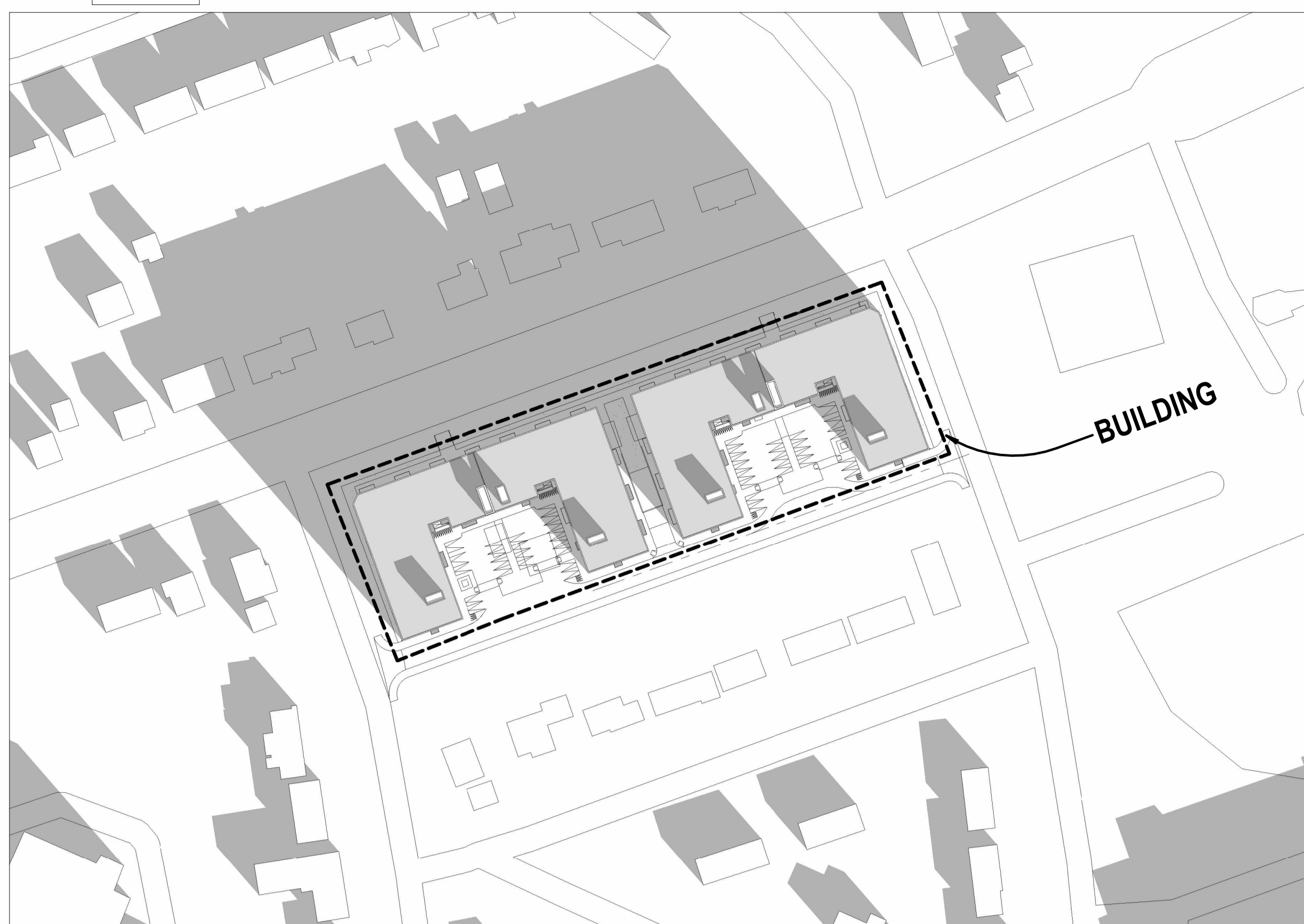
CHECKED BY
FL

PROJECT NUMBER
24-666

DRAWING NUMBER

AD-1.5

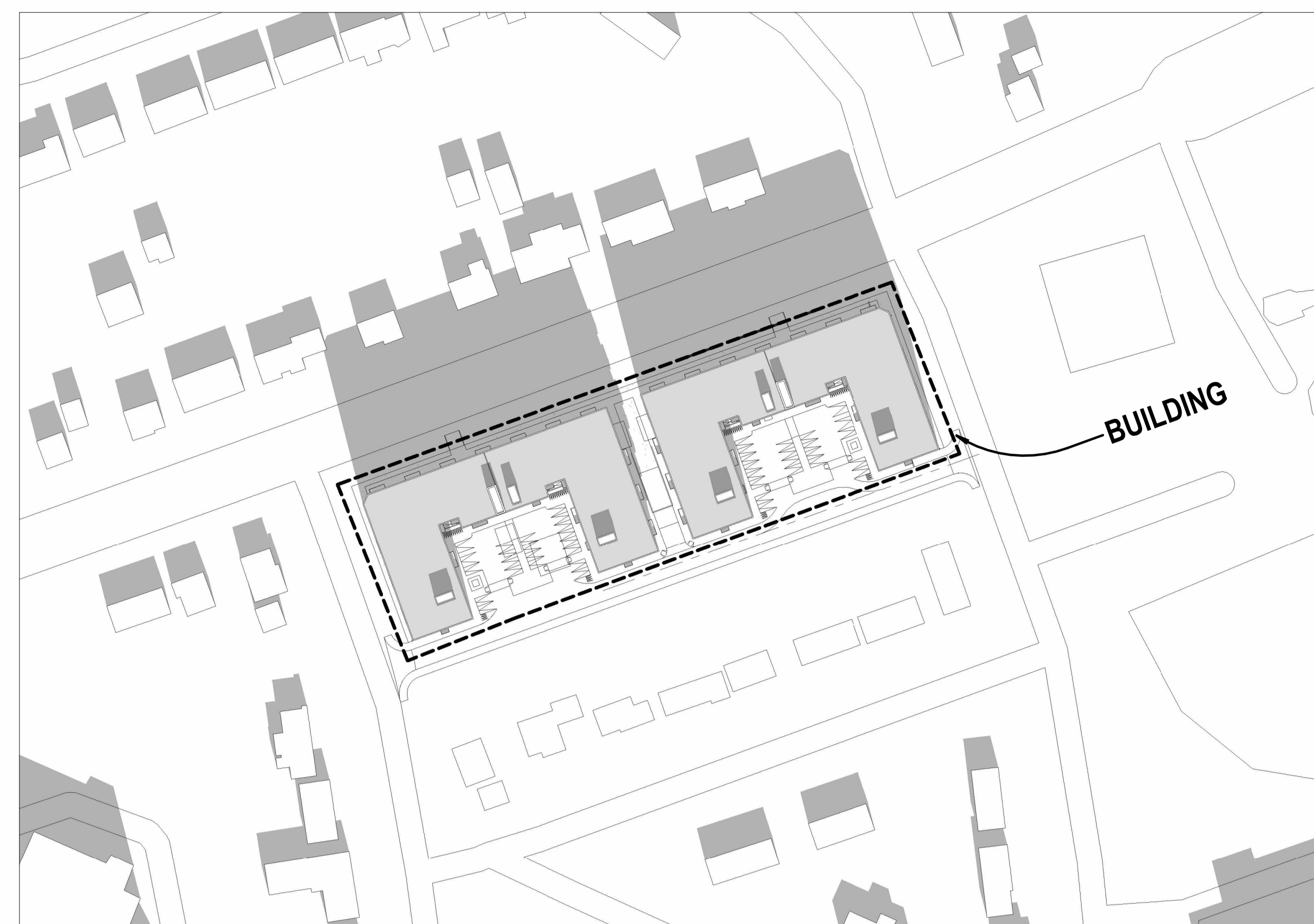
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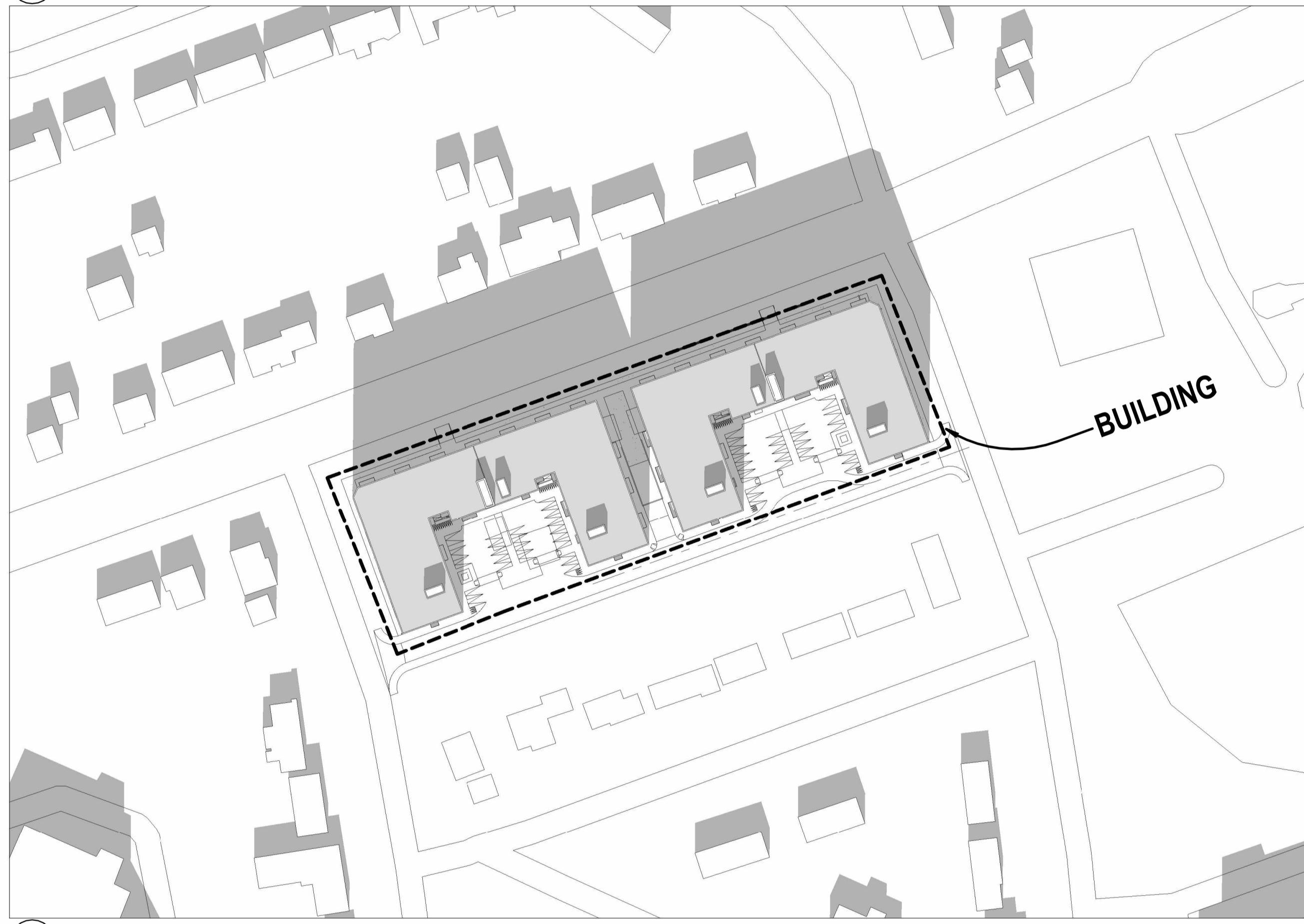
1 December 21 - 9:18 AM
AS-17 1:1200



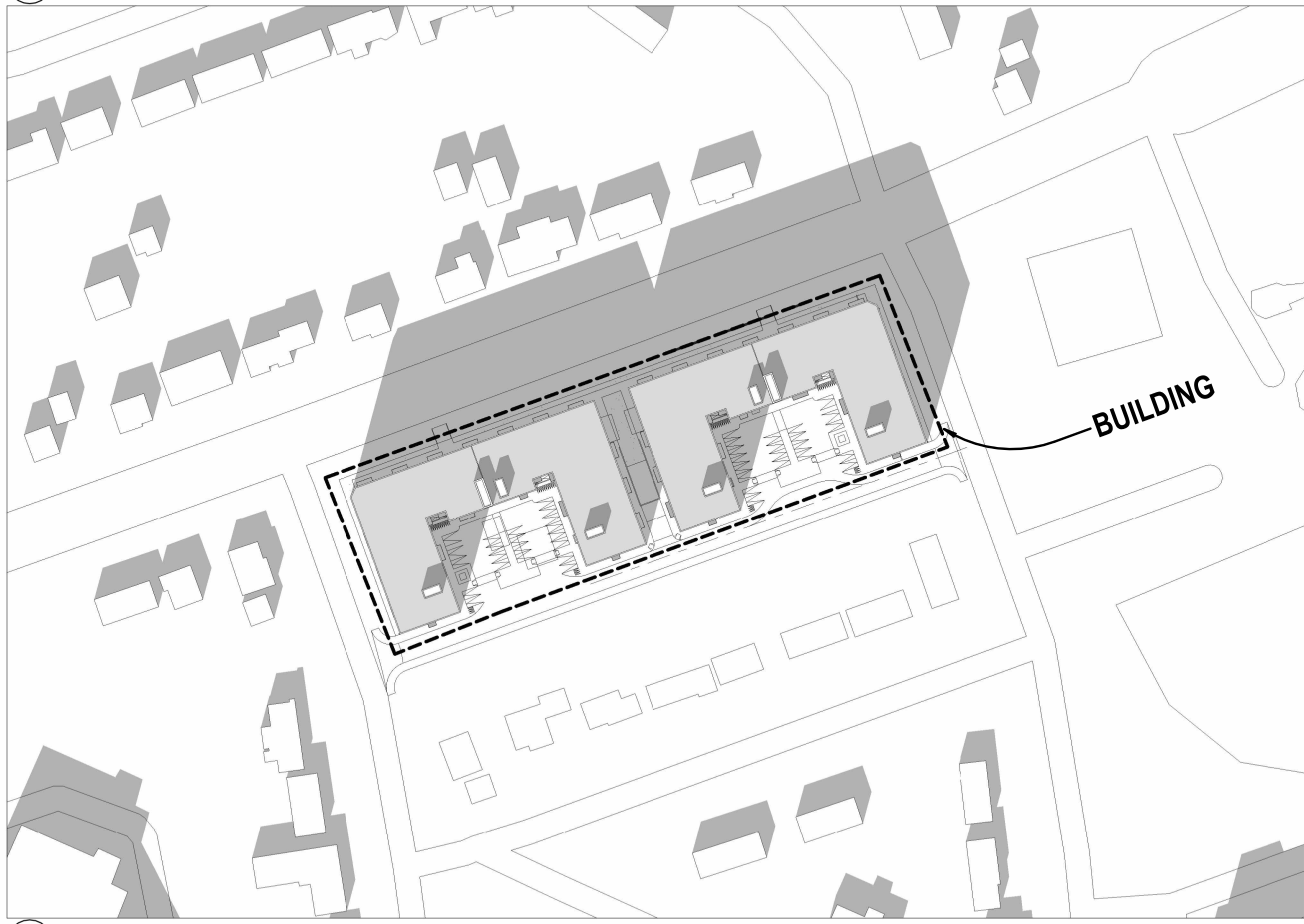
2 December 21 - 10:18 AM
AD-17 1:1200



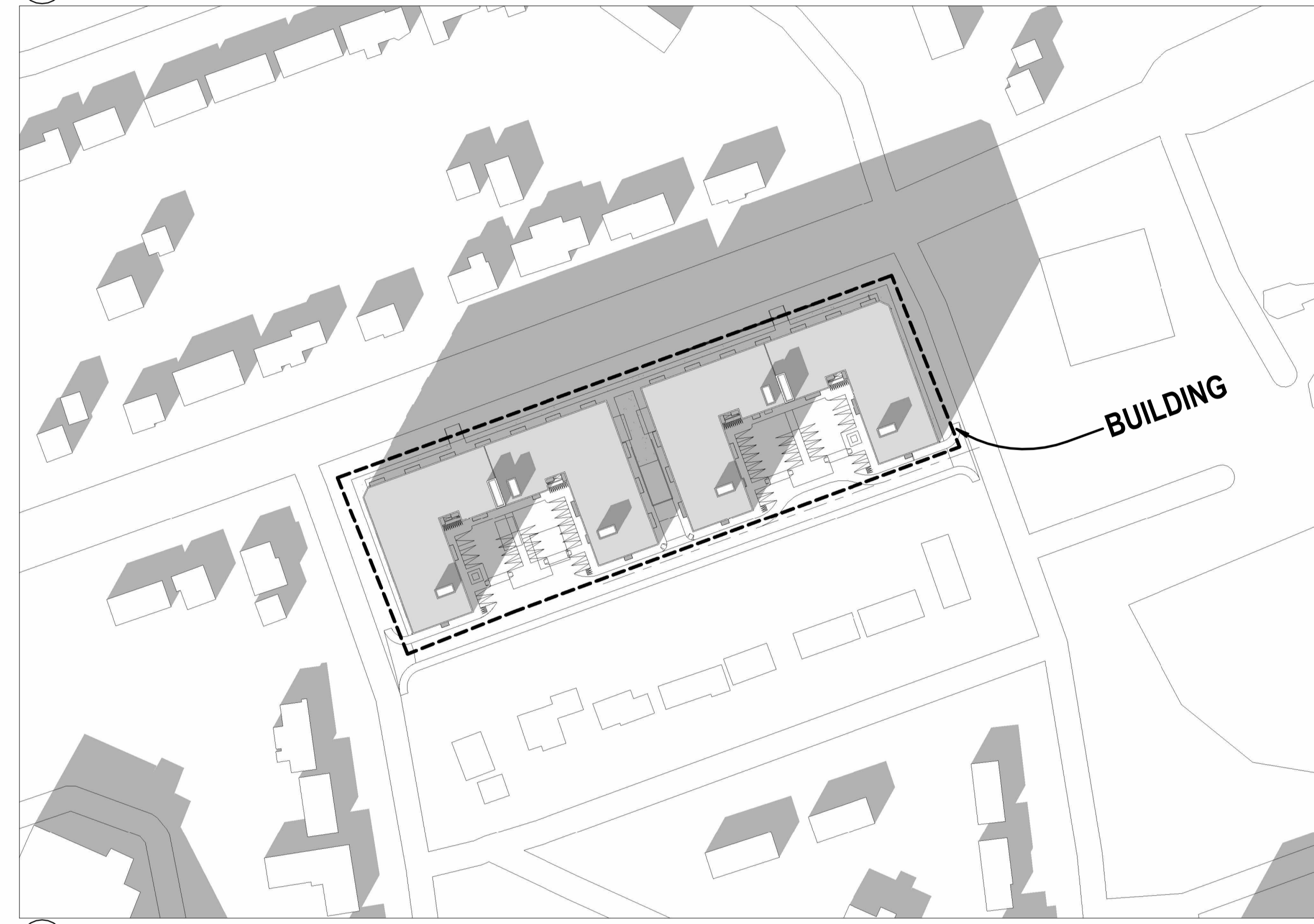
3 December 21 - 11:18 AM
AD-17 1:1200



4 December 21 - 12:18 PM
AS-17 1:1200



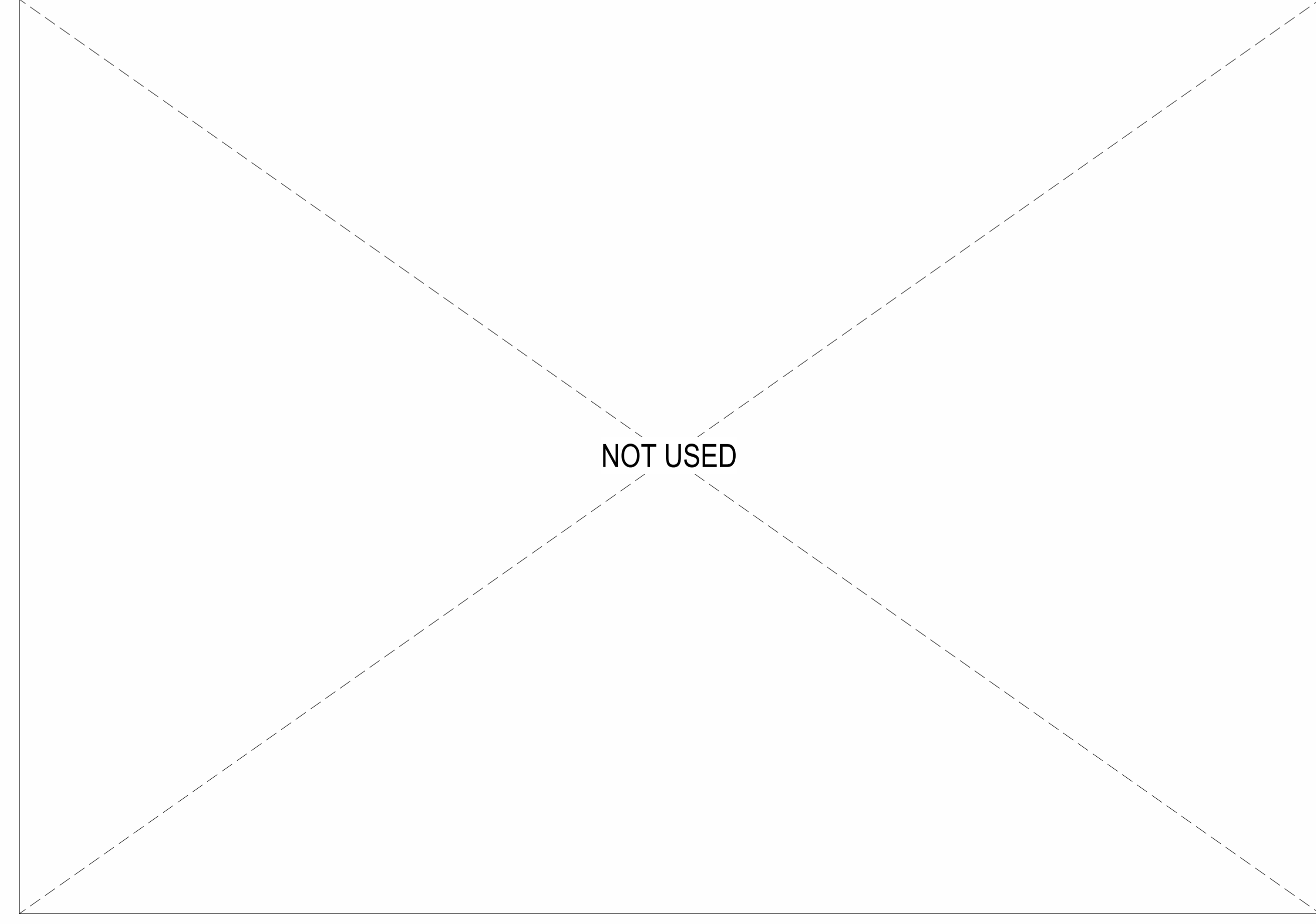
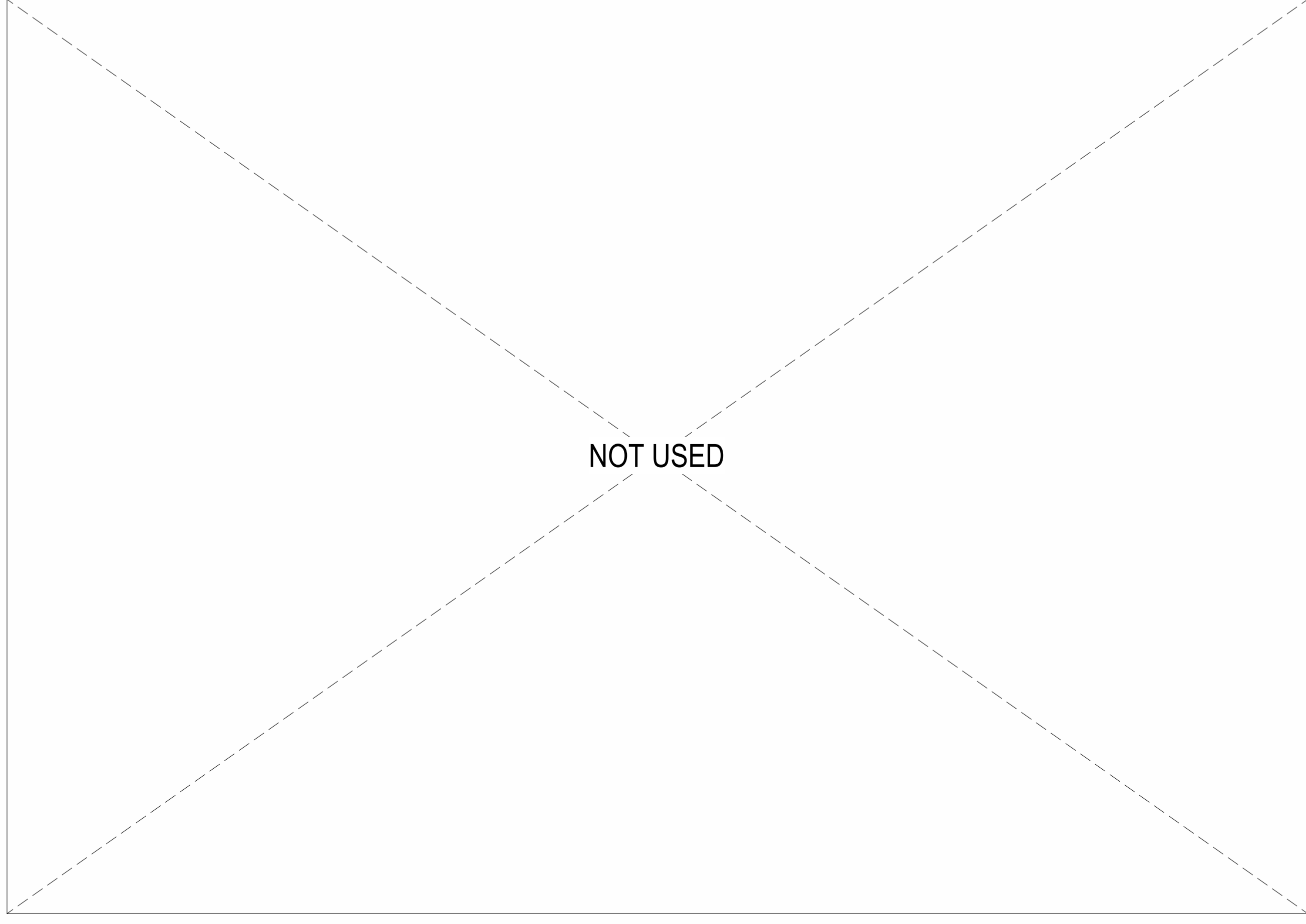
5 December 21 - 1:18 PM
AD-17 1:1200



6 December 21 - 14:18 PM
AD-17 1:1200



7 December 21 - 15:15 PM
AD-17 1:1200



Sun Angles:

Sun Angles are based on the latitude and longitude which specified by Barrie Development application guidelines

Latitude: 44.35 N
Longitude: 79.64 W

Time Zone: Eastern
Standard Time: UT - 5 Hours
Daylight Time: UT - 4 Hours
UT denotes Universal Time i.e. Greenwich Mean Time

Software Used:
Autodesk Revit Architecture 2025

Shadow Study on December 21

Sun Shadow Timing December 21
Hourly intervals start 1.5 hours after sunrise and end 1.5 hours before sunset.

LOCAL TIME EDT		
9:18	10:18	11:18
12:18	13:18	14:18
15:15		

Sunrise: 7:48
Sunset: 16:45

Shadow impacts from proposed development does not exceed two afternoon consecutive hourly test time on April 21, June 21, September 21 and December 21

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#	DATE	REMARKS
01	2024 11 22	ISSUED FOR SITE PLAN APPROVAL

PROJECT TITLE
APARTMENT BUILDING

545-565 BIG BAY POINT ROAD, BARRIE ON

DRAWING TITLE
SUN SHADOW STUDY DECEMBER 21

DRAWN BY
LA

SCALE
1:1200

DATE
NOVEMBER 2024

CHECKED BY
FL

PROJECT NUMBER
24-666

DRAWING NUMBER

AD-1.7