

4545 WEST 10TH AVENUE

NOVEMBER 2023

REZONING BOOKLET



4545 West 10th Avenue

SUBMITTED BY: MUSSON CATTELL MACKEY ARCHITECTS DESIGNERS PLANNERS

SUBMITTED TO: CITY OF VANCOUVER SUBMITTED ON: NOVEMBER, 2023

INTRODUCTION

REZONING INTENT AND RATIONALE

4545 West 10th Avenue

Rezoning Booklet

November 2023



REZONING RATIONALE

The rezoning application for the property at 4545 West 10th Avenue from a C-2 zone to a CD-1 zone is necessary and justifiable given the transformative nature of the proposed development, its consistency with the City of Vancouver's Moderate Income Rental Housing Pilot Project (MIRHPP), and the substantial benefits it will provide to the local community and the city's housing stock.

CONFORMITY WITH CITY-WIDE STRATEGIC GOALS AND POLICIES

1. Housing Vancouver Strategy and MIRHPP: The proposal is in line with the objectives of the City's Housing Vancouver Strategy, specifically the goal to increase the supply of diverse and affordable housing options. As part of the MIRHPP, the proposed development includes 114 below-market rental units aimed at moderate-income households. This is a significant contribution to the Strategy's aim of creating affordable homes.

2. Sustainable Large Developments: The proposal fulfills the criteria for sustainable large developments outlined in the City's Rezoning

Policy for Sustainable Large Developments. The development will be highly efficient and sustainable, incorporating net zero carbon mechanical systems, LEED Gold design, electric vehicle charging stations, and other environmentally responsible features.

3. Support for Local Economy: By incorporating 40,751 sf of commercial-retail space, including a grocery store and other smaller retail units, the proposed development is likely to boost local commerce. This fits with city-wide strategies to encourage vibrant mixed-use communities and support local economies.

SUITABILITY OF THE LOCATION

- 1. Transit-Oriented Development: The site's location along West 10th Avenue, a major transit route, is ideal for higher density, mixed-use development. The site's accessibility to public transportation supports the city's broader goal of encouraging transit-oriented development.
- 2. Proximity to Amenities: The site is in walking distance to amenities and services such as bus stops, green spaces, recreation centres, community centres, and schools, enhancing the convenience and quality of life for future residents.
- 3. Support for University Community: Given its proximity to the University of British Columbia, the development is poised to provide much-needed rental housing for university students, faculty, and staff, as well as for families and individuals associated with the university community.

COMMUNITY BENEFITS

1. Affordable Housing: The development contributes significantly to the city's housing supply, offering a total of 569 secured-rental homes, 114 of which will be offered at affordable rates for moderate-income households.

- 2. Family Housing: The proposal emphasizes family housing, with 37% of the total units designed as 2-3 bedroom homes. This surpasses the City's standard requirement of delivering 35% of units as family housing, further diversifying Vancouver's rental housing supply.
- 3. Revitalization of Vacant Site: The new development will rejuvenate a currently vacant site previously occupied by a Safeway grocery store, creating an animated, human-scaled public plaza space and a publicly accessible pedestrian path that provides new opportunity for a mid block connection connectivity between West 10th and West 9th Avenues.

The rezoning of 4545 West 10th Avenue from C-2 to CD-1 is warranted given the proposal's alignment with the City of Vancouver's housing and sustainability strategies, the suitability of the location for higher density and mixed-use development, and the multitude of community benefits the project will deliver. This rezoning will help to alleviate the acute housing shortage in the city and contribute to the creation of a vibrant, inclusive, and sustainable community.

Site Analysis

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DESIGN RATIONALE

The proposed redevelopment at 4545 West 10th Avenue embodies the foundational principles of a thriving, inclusive, and sustainable urban ecosystem. It appreciates the vital interplay of diverse uses and builds upon the existing city fabric, while ensuring that the benefits of densification are equitably distributed.

SITE CONTEXT AND DESIGN RESPONSE

DESIGN RATIONALE

Situated along the bustling West 10th Avenue and nestled amidst a variety of amenities, the site possesses an intrinsic potential to serve as a microcosm of a flourishing urban life. The proposed project acknowledges this potential and seeks to make a vital contribution to the community's vibrancy, diversity, and resilience.

For the previous several decades, the site was home to a grocery store and a large surface parking lot. The grocery store vacated in 2018 and the site has been vacant since that time. By replacing the previous grocery store with a new mixed-use, retail and residential development, the proposal reinforces the neighbourhood's identity as a place for living, shopping, and leisure. The proposed mixed-use development encourages diversity in urban design. It incorporates retail and residential uses, with the retail portion enhancing the quality of street life. With a mixture of market and affordable rental homes, the development creates a blend of socio-economic backgrounds in a single community, promoting social cohesion. The proposed development will also contribute to the continuity of the area by replacing the former Safeway grocery store, offering the neighbourhood the grocery amenity it has been missing since 2018.

The built form is designed with a sensitive transition from 19 and 17 storeys on West 10th Avenue to a mix of 2 to 6 storeys on West 9th Avenue. This nuanced approach not only respects the single-family residential character of West 9th Avenue but also aligns with the commercial vibrancy of West 10th Avenue, achieving a balance between densification and compatibility with the existing urban fabric. The increased density, particularly along the main transit route

of West 10th Avenue, leverages the site's proximity to amenities and transit connectivity, offering a sustainable living environment for residents.

PUBLIC REALM AND COMMUNITY CONNECTION

A key design aspiration is the creation of high-quality public spaces that foster social interaction and community building. The 6000sf public plaza, lined with active retail, provides a comfortable outdoor room for neighbourhood gatherings, thereby promoting civic engagement and neighbourhood vitality.

Pedestrian permeability, another design priority, is achieved through the creation of two pedestrian paths (N/S and E/W). The paths provide a convenient, mid block connection from West 10th Avenue through to West 9th Avenue, and from the Plaza to Tolmie Street. This serves to break down the urban scale of the site into more manageable, human-scale blocks. These paths, along with the plaza, enliven the pedestrian experience and contributes to the overall walkability of the neighbourhood.

HOUSING DIVERSITY AND AFFORDABILITY

A healthy, inclusive neighbourhood necessitates a diversity of housing options, affordable to a broad spectrum of incomes. The proposal embraces this principle by offering 455 market rental suites and 114 below-market rental suites, with 37% suitable for families. This mix of unit types and affordability levels aligns with the City's Moderate Income Rental Housing Pilot Project (MIRHPP), thus serving a critical gap in the local rental housing market.

SUSTAINABILITY AND RESILIENCE

The project responds to the long-term vision of a sustainable and resilient neighbourhood. The development aligns with the City's Rezoning Policy for Sustainable Large Developments and proposes

multiple strategies including a highly efficient envelope, net-zero carbon mechanical systems, EV chargers, and on-site ride-share vehicles to ensure a minimized environmental footprint. In addition, this development leverages its proximity to major transit routes, ensuring excellent connectivity for residents while reducing car dependency. Additionally, the provision of ample bicycle parking encourages active transportation.

The redevelopment proposal for 4545 West 10th Avenue represents a thoughtful response to the site's context, the community's needs, and the broader goals of city-building. It recognizes the significance of a diverse, inclusive, and sustainable urban ecosystem and strives to enhance the social, economic, and environmental fabric of the neighbourhood.

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Mark Whitehead

Architect AIBC, Architect AAA, MRAIC, (Assoc) AIA

Mark Whitehead Architect Ltd., Partner

MUSSON CATTELL MACKEY PARTNERSHIP

Site Analysis

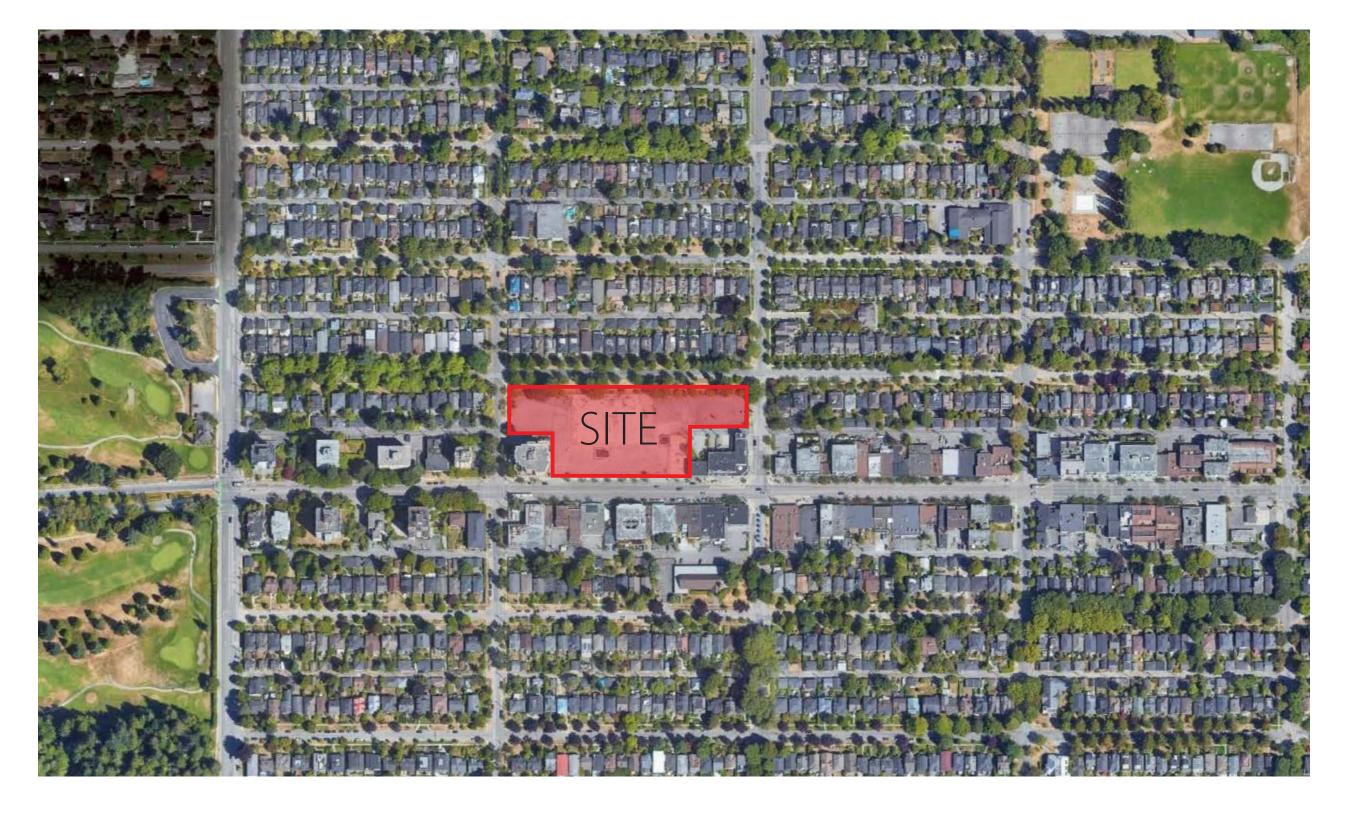
SITE ANALYSIS

CONTEXT MAP

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Site Analysis



PUBLIC TRANSIT

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Transit

#4, 44, 84 (East-West along West 4th Avenue) #14, N17, 99 B-Line (East-West along West 10th Avenue) #25,33 (East-West along West 16th Avenue) #4 (North-South along Blanca Street) #042 (NW Marine Drive)

Bike Lanes

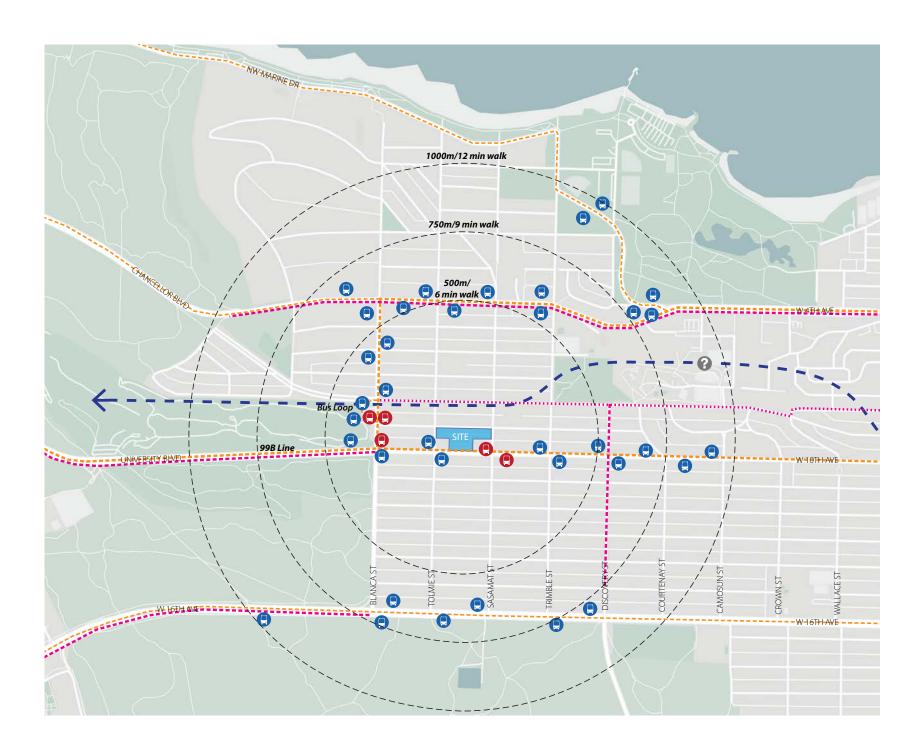
West 4th Avenue Discovery Street University Boulevard

Bicycle-Friendly Roads / Trails

West 8th Avenue Pacific Spirit Regional Park Trails Jericho Beach Park Trails

Skytrain

Vancouver city council on March 29th 2022 approved a new plan for the proposed SkyTrain extension to the UBC that could see a station built on the Jericho Lands.



Site Analysis

Legend







Bicycle-Friendly

Roads

Potential Skytrain Station

AMENITIES AND GREEN SPACE



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Parks

- 1. Trimble Park
- 2. Pacific Spirit Regional Park
- 3. Westmount Park
- 4. Locarno Park
- 5. Jericho Beach Park
- 6. Camosun Park

Schools + Libraries

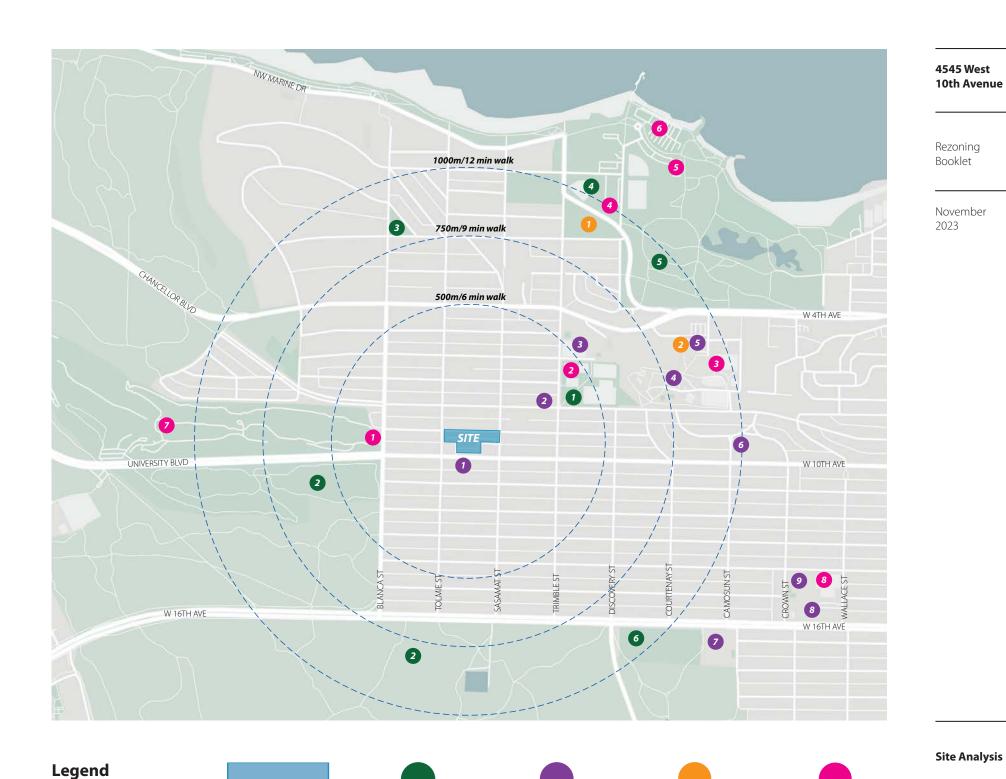
- 1. Vancouver Public Library, West Point Grey Branch
- 2. Monarch Montessori
- 3. Queen Mary Elementary School
- 4. West Point Grey Academy
- 5. Pacific Spirit School
- 6. Our Lady of Perpetual Help Catholic School
- 7. Queen Elizabeth Elementary
- 8. Lord Byng Secondary
- 9. Jules Quesnel Elementray

Community Centres

- 1. West Point Grey Community Centre
- 2. Jericho Hill Centre

Arts + Recreation

- 1. BC Golf Museum
- 2. West Point Grey Lawn Bowling Club
- 3. Jericho Hill Pool + Gymnasium
- 4. Jericho Arts Centre
- 5. Jericho Beach Public Tennis Courts
- 6. Jericho Sailing Centre / Ecomarine Paddlesport Centres
- 7. University Golf Club
- 8. Lord Byng Pool & Fitness Centre



Project Site

Parks

Schools/Libraries

Site Analysis

Arts / Recreation

Community

Centres

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SITE HISTORY

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November 2023 This project is located at 4545 West 10th Avenue, where the former Safeway grocery store was open for decades.

In 2018, Safeway closed it's doors and the site has been vacant since.









Site Analysis

SITE PHOTOS



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STREETSCAPE ALONG WEST 10TH AVENUE, OPPOSITE PROJECT SITE



Site Analysis

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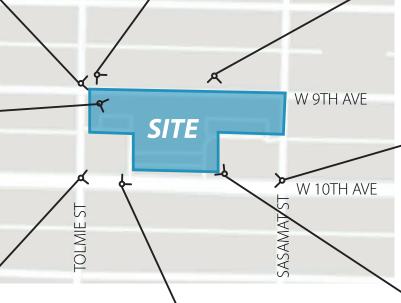
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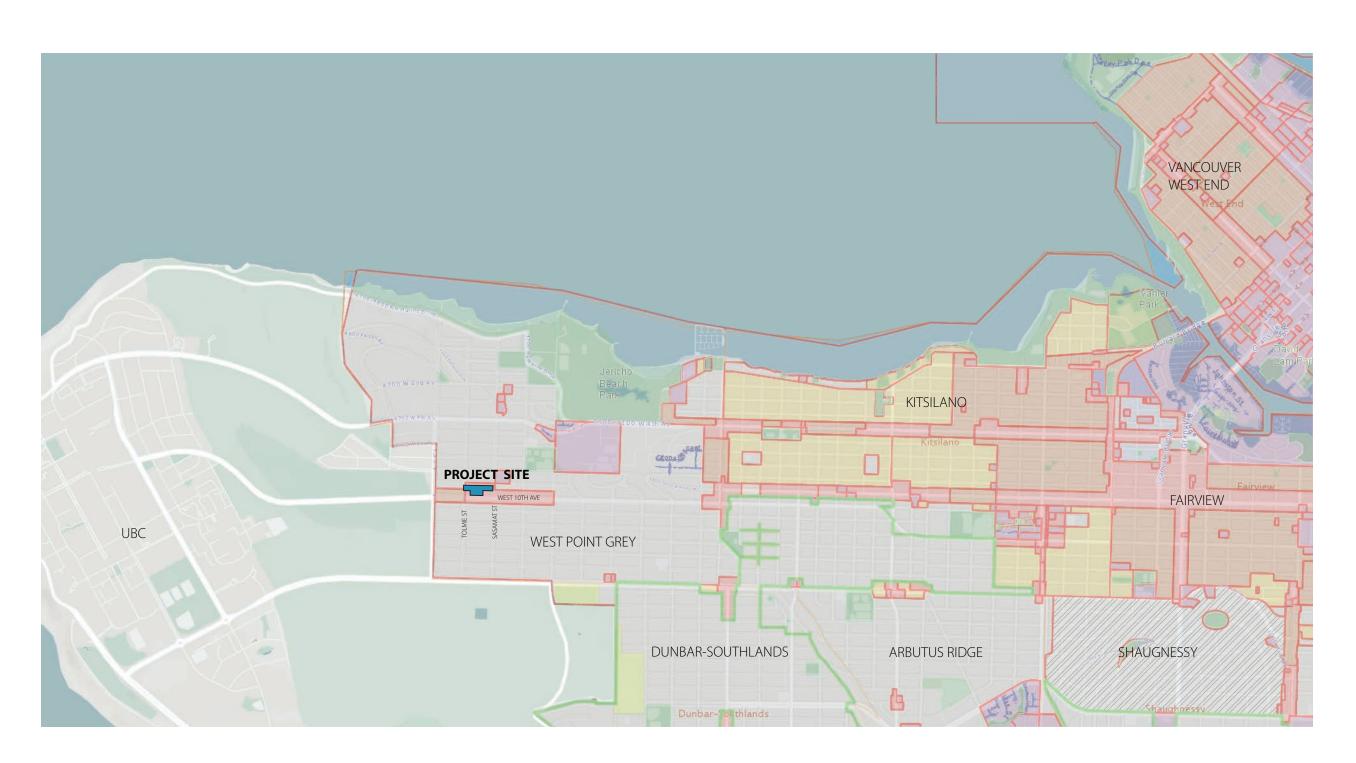


Site Analysis

REZONING CONTEXT



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Concept

13

Zoning

Comprehensive Development Commercial





One Family Dwelling









POLICY CONTEXT

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MIRHPP POLICY

The proposed development at 4545 West 10th Avenue, Vancouver, BC responds quite favorably to the City of Vancouver's Moderate Income Rental Housing Pilot Program (MIRHPP) guidelines. Here are several key points to illustrate how this project aligns with the goals and objectives of the MIRHPP:

Affordable Rental Housing:

With 114 units (20% of the total residential floor area) to be offered at Moderate-Income Rental Rates for households earning between \$38,000 and \$80,000 annually, the project clearly aligns with the MIRHPP's affordability requirements. These moderate-income homes will provide much-needed affordable housing to the city's renters, fulfilling a critical aspect of the MIRHPP.

Secured-Rental Housing:

The project aims to provide 569 new high-quality secured-rental homes, contributing to the city's goal to increase the rental housing supply, which is a critical part of the MIRHPP.

Family-Oriented Homes:

With 37% of the units planned as 2+ bedroom homes, the project even exceeds the City's standard requirement of delivering 35% of units as family housing. This focus on family-oriented housing further aligns the development with MIRHPP's goals to provide housing for a diverse range of Vancouver residents.

Location and Accessibility:

Located on a major transit route and walking distance to amenities and services, this development will allow moderate-income households to have easy access to essential services, recreational facilities, and employment centers such as the University of British Columbia.

Economic Benefits and Neighborhood Revitalization:

The project plans to offer neighborhood retail, including a large grocery store, that will animate and revitalize West 10th Avenue, thus improving the overall livability of the area for all residents.

Sustainable Development:

By following the City of Vancouver's rezoning Policy for Sustainable Large Developments and incorporating elements like a highly efficient building envelope, net-zero carbon mechanical systems, LEED Gold certification, garden plots, extensive green roof areas, roof top bee keeping and electric vehicle chargers, this development aligns with MIRHPP's goals to encourage sustainable building practices in new housing developments.

4545 West 10th Avenue embraces the objectives of the MIRHPP by providing an ample supply of secured, affordable, and sustainably built rental units for a diverse range of residents, while also promoting community benefits and economic revitalization.

Policy

Moderate Income Rental Housing Pilot Program (MIRHPP) Rezoning Policy

Approved by Council November 28, 20

SUSTAINABILITY

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SUSTAINABLE LARGE DEVELOPMENTS

The proposed development at 4545 West 10th Avenue, Vancouver, BC, has been diligently designed to thoroughly address the City of Vancouver's Sustainable Large Developments Policy. Below is an overview of the specific measures that we are undertaking to fulfill this policy's commitments:

Sustainable Site Design:

The site design focuses on enhancing the natural environment. We aim to increase tree canopy and vegetative cover to enhance local biodiversity and provide shade. The plan also incorporates at-grade continuous soils and a tree retention and replacement strategy, which will aid in improving air quality and reducing urban heat island effect.

Sustainable Food Systems:

The development supports local food production through provisions for community gardens and an edible landscape. Additionally, the inclusion of apiculture contributes to pollinator health, a crucial aspect of any local food system.

Green Mobility:

We're reducing our carbon footprint by including EV charging stations for both residential and commercial use. We are also promoting active transportation by providing support for present and future cycle and pedestrian networks.

Potable Water Management:

To reduce potable water consumption, the team will apply a combination of indoor and outdoor potable water management practices. Indoors, the team will make use of a selection of water efficient plumbing fixtures including water-sense certifications. Outdoors, the project will employ high efficiency irrigation strategies and moisture sensing controllers to ensure plants get water only when they need it.

Rainwater Management:

An integrated rainwater management plan has been devised to

handle stormwater effectively and to reduce the burden on city drainage systems.

Affordable Housing:

The development includes a dedicated segment of below-market rental housing, ensuring that the housing mix contributes to social diversity and supports Vancouver's affordability objectives.

Resilience:

The project team has participated in a climate resilience workshop following the City of Vancouver's latest climate planning worksheet. The project's focus was on adaptability and sustainability in the face of potential future climate changes.

Green Building Rezoning:

We comply with the requirements set out in the applicable May 2022 Green Building Rezoning Policy. The development incorporates rainwater infrastructure, maintains strict energy consumption and emissions performance limits, and sets out requirements for the embodied emissions as well.

The proposed development will be LEED Gold, and employ a thermally efficient envelope, and a net-zero carbon mechanical system. The highly efficient mechanical system will have an enhanced commissioning process. These measures are in line with the City's transition toward more sustainable building practices.

This holistic approach ensures that our project at 4545 W 10th Ave contributes positively to Vancouver's environmental, social, and economic sustainability. Our strategies touch on key aspects of sustainable urban living, including green transportation, sustainable water use, biodiversity enhancement, waste reduction, and affordable housing. We are excited to contribute to Vancouver's goals of becoming a greener, more resilient, and more inclusive city.

City of Vancouver Land Use and Development Policies and Guidelines
Planning, Urban Design and Sustainability Department
453 West 12th Avenue, Vancouver, 65 U V57 V4 | 1et 3-1. Jourside Vancouver 604.873.700 | fax. 604.873.710

REZONING POLICY FOR SUSTAINABLE LARGE DEVELOPMENTS

Adopted by City Council on July 25, 2018
Effective Date September 1, 2018*
Amended on September 15, 2020
Note: This policy replaces Revised Action A-2 of the EcoDensity/EcoCity Revised Charter and Initial Actions

Note: The affordable housing requirements in this policy apply to all large developments city-wide, except those areas that have recently adopted community plans (e.g. Cambic Corridor Unique Sites, tage inclusionary housing projects in the Net End and all age developments that have submitted a formal reconing enquiry (application for reconing advice) as of June 20, 2018. Those projects with an accepted letter of enquiry will proceed under the previous affordable housing requirements contained in the Rezoning Policy for Sustainable Large Developments amended December 16, 2014.

This policy is effective September 1, 2018 and is mandatory for all large development rezoning applications accepted as complete on or after September 1, 2018.

Large developments are those that:

- more, or b) Contain 45,000 sq. m (484,375 sq. ft) or more of new development floor area

- (a) Text amendments to the existing zoning for minor changes to large developments (b) Projects that contain less than 4,700 sq. m (50,590 sq. ft) of new development.
- In such cases, a request for partial or total exemption from the policy requirements should be discussed with the rezoning planner prior to rezoning application submission. Alternatives can be considered and, if warranted, some of the requirements may be waived by the Director of Planning in cases of hardship or conflict between requirements.

OVERALL POLICY INTENT

Note that City staff may involve external agencies such as TransLink, Vancouver School Board, and Vancouver Coastal Health to inform the rezoning review

September 2020

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Rezoning Booklet

November 2023

DESIGN ANALYSIS

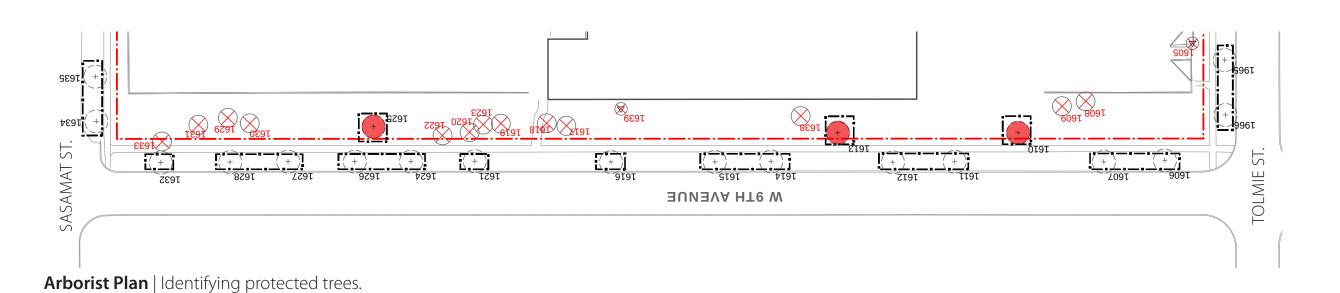
STREET TREE STUDY



Existing Trees | Along the south side of 9th Ave.



After Removing Trees On site unprotected trees removed.



Concept

17



SHADOW STUDY

4545 West 10th Avenue

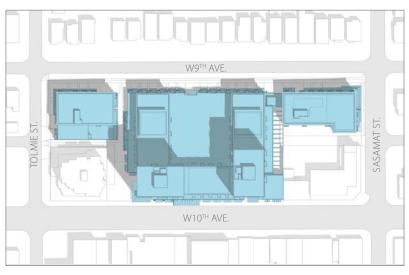
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November 2023

Summer Solstice (June 21st)



10:00 AM



12:00 PM



2:00 PM

Equinox (March 20th)



10:00 AM



12:00 PM

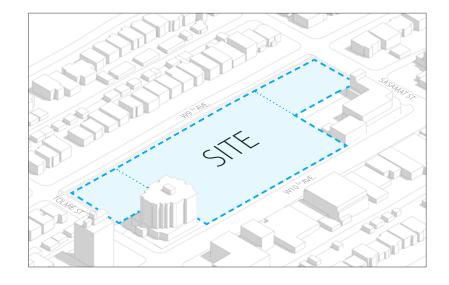


2:00 PM

18

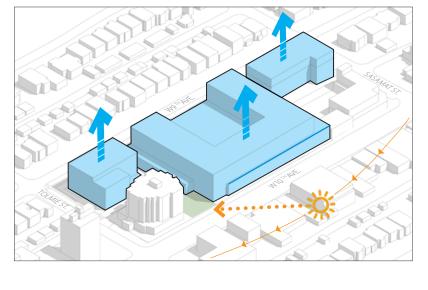
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Partnership

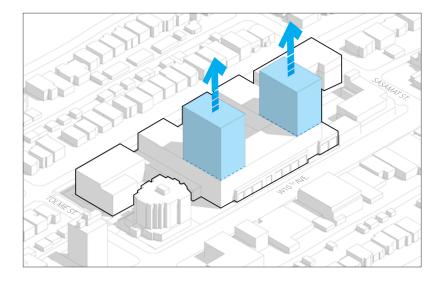


WEST 10TH AVE. MASSING

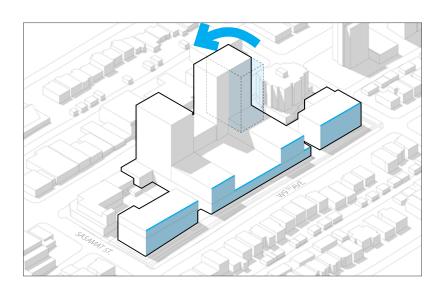
Site: The development will consist of 3 buildings, two smaller buildings relating to W 9th Ave and a larger mass in the centre of the block facing W 10th Ave. The central mass will contain a Grocery store, helping to activate the West 10th Avenue street frontage.



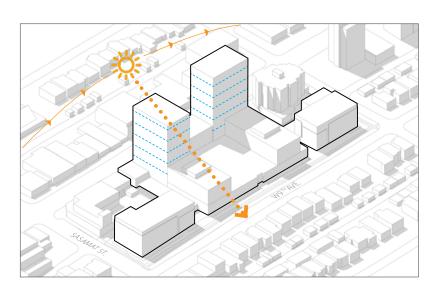
Podium: The two buildings on W 9th Ave and the podium of the central building will be six storeys. The podium facing W 10th Ave will step back above 30ft relating to the surrounding context. The podium and mews will frame a large south facing public plaza.



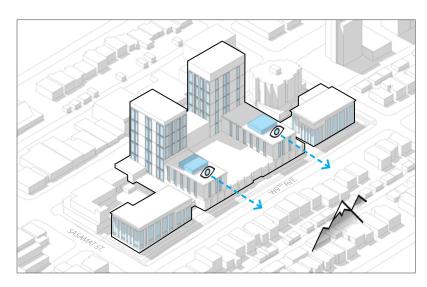
Building Extrusion: Two tower forms extrude from the podium positioned to the south, keeping the height and density on W 10th Ave. The podium creates a transition in height from the towers to the single-family homes on W 9th Ave.



Building Rotation: Rotating the west tower strengthens the street wall along W10th Ave. and reduces the impact on the neighboring property, on W 10th Ave. and Tolmie St. The street profile along W 9th Ave varies in height and mass to break up the length of the development.



Tower Massing: The tower location means the site will contain the majority of shadowing they create and allows the sun to still penetrate the homes on W 9th Ave. Architecturally the tower floors will be grouped in threes, creating horizontal elements to visually reduce their height.



Views: Amenity pavilions will be located on the legs of the podium, with views orientated towards the north shore mountains.

10th Avenue

4545 West

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November 2023

CONCEPT SKETCH - WEST 10TH AVE.

4545 West 10th Avenue

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CONCEPT SKETCH - WEST 9TH AVE. STREET SCAPE

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CONCEPT SKETCH - WEST 10TH AVE. PLAZA

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November 2023



PROPOSAL STATISTICS

CIVIC ADDRESS

4545 West 10th Avenue Vancouver, BC

LEGAL ADDRESS

Lot B Block 150 Plan VAP13082 District Lot 540 NWD of Lots 3 & 4. PID: 008735972

CURRENT ZONING

C-2

PROPOSED ZONING

CD-1

SITE AREA

128,805 SF (11,966 M²)

PROPOSED DENSITY

494,321 SF (45,924 M²)

PROPOSED FSR

3.84 FSR

PROPOSED BUILDING HEIGHT

BUILDING 1 & 3: 6 STOREYS

BUILDING 2: 6 STOREYS PODIUM, TOWER 17 & 19 STOREYS

UNIT COUNT

Level		Build	ling 1			Build	ling 2			Build	ling 3	
	ST	1 BED	2 BED	3 BED	ST	1 BED	2 BED	3 BED	ST	1 BED	2 BED	3 BED
1		3	2	3		17				5	2	
2		6	3	2		26	4	2	2	7	4	1
3		6	3	2	3	28	9	5	2	7	4	1
4		6	3	2	4	30	9	5	2	7	4	1
5		6	3	2	5	30	9	5	2	7	4	1
6	1	3	3	1	5	30	9	5	2	7	4	1
7					1	8	7					
8						8	8					
9						8	8				Ì	
10						8	8					
11						8	8					
12						8	8					
13						8	8					
14			•			8	8				1	
15						8	8					
16			•			8	8	•		1	1	
17						8	8				Ì	
18						4	4					
19						4	4					
Sub Total	1	30	17	12	18	257	135	22	10	40	22	5
Building Total		6	50		432 77							
Total					•	5	69		•			

Total Site

Unit Type	Ave. Unit Size	Total	%	
Studio	458.8	29	5%	
1 Bed	573.5	327	57%	
2 Bed	832.0	174	37.4%	31
3 Bed	1080.5	39	37.476	7
		569	1 '	

MIRHPP Units 114 Units Required

Jnit Type	Required	Total	%
tudio	28	28	25%
Bed	46	46	40%
& 3 Bed	40	40	35%
50.	114	114	

Market Rental

nit Type	Total	0/
udio	10 (a)	0%
Bed	281	62%
k 3 Bed	173	38%
	455	

CAR PARKING STALLS COUNT

Uses	Parking Bylaw	Required	Provided
Residential	4.5B1 - 1stall per 125m2 of GFA	360	285
Visitor	4.1.16 - 0.05 stall for every unit	28	28
Car Share		(-)	14
Passenger		-	7
Retail	4.2.5.1 - 1 stall per 100m ² GFA upto 300m ² , 1 stall per 50m ² >	6	110
Grocery	4.2.5.3 - 1 stall per 100m2 GFA upto 300m2, 1 stall per 20m2 upto 2300m2, 1 stall per 30m2 >	141	110
Total Stall	253	535	444

Uses	Accessable Bylaw	Required	Provided
Residential	4.8.4a - 1 stall for 7 units, 0.034 spaces per additional unit	20	20
Retail	4.8.4b - 1 stall for first 500m², 0.4 stall for every additional 1000m²	2	2
Grocery	4.5.40 - 1 star for prist Souri , 0.4 star for every additional 2000in	-	2
Total Stall		22	22

BICYCLE STALLS COUNT

Uses	Bylaw	Required	Provided
		Class A	Class A
Residential	1.5 @ unit < 699sf	615	
	2.5 @ unit 699sf - 1130sf	388	1,093
	3 @ unit > 1130sf	12	
Retail	1 for every 3660sf	11	14
Total Stall		1,026	1,107

Uses	Bylaw	Required	Provided
		Class B	Class B
Residential	2 for first 20 units	2	2
	1 for additional 20 units	27	27
Retail	Min 6 for > 10764sf	6	6
Total Stall	111	35	35

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23



PROPOSAL STATISTICS

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November 2023

BUILDING 1

	Gross Flo	or Area	FSR R	esidential Exclu	sions	FSR Summary			Outdoor Area (excluded from FSR)		
Level	Commercial	Residential	Resi. Storage	Service (1)	Amenity	GFA	Exclusions	FSR Area	Balcony	Roof Deck ⁽²⁾	Amenity
1 - GF		9,655	183	1,495		9,655	1,678	7,977		1,354	
2		10,015	768			10,015	768	9,247	356	360	
3		10,015	768			10,015	768	9,247	484		
4		10,015	768			10,015	768	9,247	484		
5		10,015	768			10,015	768	9,247	484		
6		7,820	200			7,820	200	7,620	400	422	1,402
Roof		230	775-753			230	0	230		100.5	
B1 Sub-Total	0	57,765	3,455	1,495	0	57,765	4,950	52,815	2,208	2,136	1,402

BUILDING 2

	DOILDING L										
	Gross Fl	oor Area		FSR Exclusions			FSR Summary		Outdoo	r Area (excluded t	rom FSR)
Level	Commercial	Residential	Resi. Storage	Service (1)	Amenity	GFA	Exclusions	FSR Area	Balcony	Roof Deck ⁽²⁾	Amenity
1- GF	40,751	21,805	640	1,516		62,556	2,156	60,400		1,861	
2		27,270	960			27,270	960	26,310	1,141	1,299	
3		37,860	1,272		2,500	37,860	3,772	34,088	578	6,180	16,860
4		36,935	1,959			36,935	1,959	34,976	2,053		
5		37,860	2,479			37,860	2,479	35,381	2,053		
6		37,860	2,479			37,860	2,479	35,381	2,053		_
7		18,600	193		5,600	18,600	5,793	12,807	460	1,548	6,498
8		13,000	230			13,000	230	12,770	920		
9		13,000	230			13,000	230	12,770	920		
10		13,000	230			13,000	230	12,770	920		
11		13,000	230			13,000	230	12,770	920		
12		13,000	230			13,000	230	12,770	920		
13		13,000	230			13,000	230	12,770	920		
14		13,000	230			13,000	230	12,770	920		
15		13,000	230			13,000	230	12,770	920		
16		13,000	230			13,000	230	12,770	920		
17		13,000	230			13,000	230	12,770	920		
18		6,500	115			6,500	115	6,385	460		
19		6,500	115			6,500	115	6,385	460		
Roof		1,650				1,650	0	1,650			
B2 Sub-Total	40,751	362,840	12,512	1,516	8,100	403,591	22,128	381,463	18,458	10,888	23,358

BUILDING 3

	Gross Flo	oor Area		FSR Exclusions			FSR Summary		Outdoo	Area (excluded f	rom FSR)
evel	Commercial	Residential	Resi. Storage	Service (1)	Amenity	GFA	Exclusions	FSR Area	Balcony	Roof Deck ⁽²⁾	Amenity
- GF		11,468	233	2,715	677	11,468	3,625	7,843		995	
		10,845	689			10,845	689	10,156	528		
3		10,845	429			10,845	429	10,416	528		
ř.		10,845	429			10,845	429	10,416	528		
		10,845	429			10,845	429	10,416	528		
		10,845	429			10,845	429	10,416	528		
loof		380				380	0	380			
31 Sub-Total	0	66,073				66,073	6,030	60,043	2,640	995	0
OTAL (SQ.FT.)	40,751	486,678	15,967	3,011	8,100	527,429	33,108	494,321	23,306	14,019	24,760
(M²)	3,786	45,214	1,483	280	753	49,000	3,076	45,924	2,165	1,302	2,300

14 SERVICE INCLUDES MECH. AND ELEC ROOMS AT GRADE, WASTE AND RECYCLING, BICYCLE STORAGE AND END OF TRIP FACILITY

(a) THE OVERALL ROOF DECK AREA INCLUDES PRIVATE PATIOS AT GRADE

PARKING

	Gross Floor Area
Level	
P2	92,920
P1	108,508
P1-2 Sub-Total	201,428

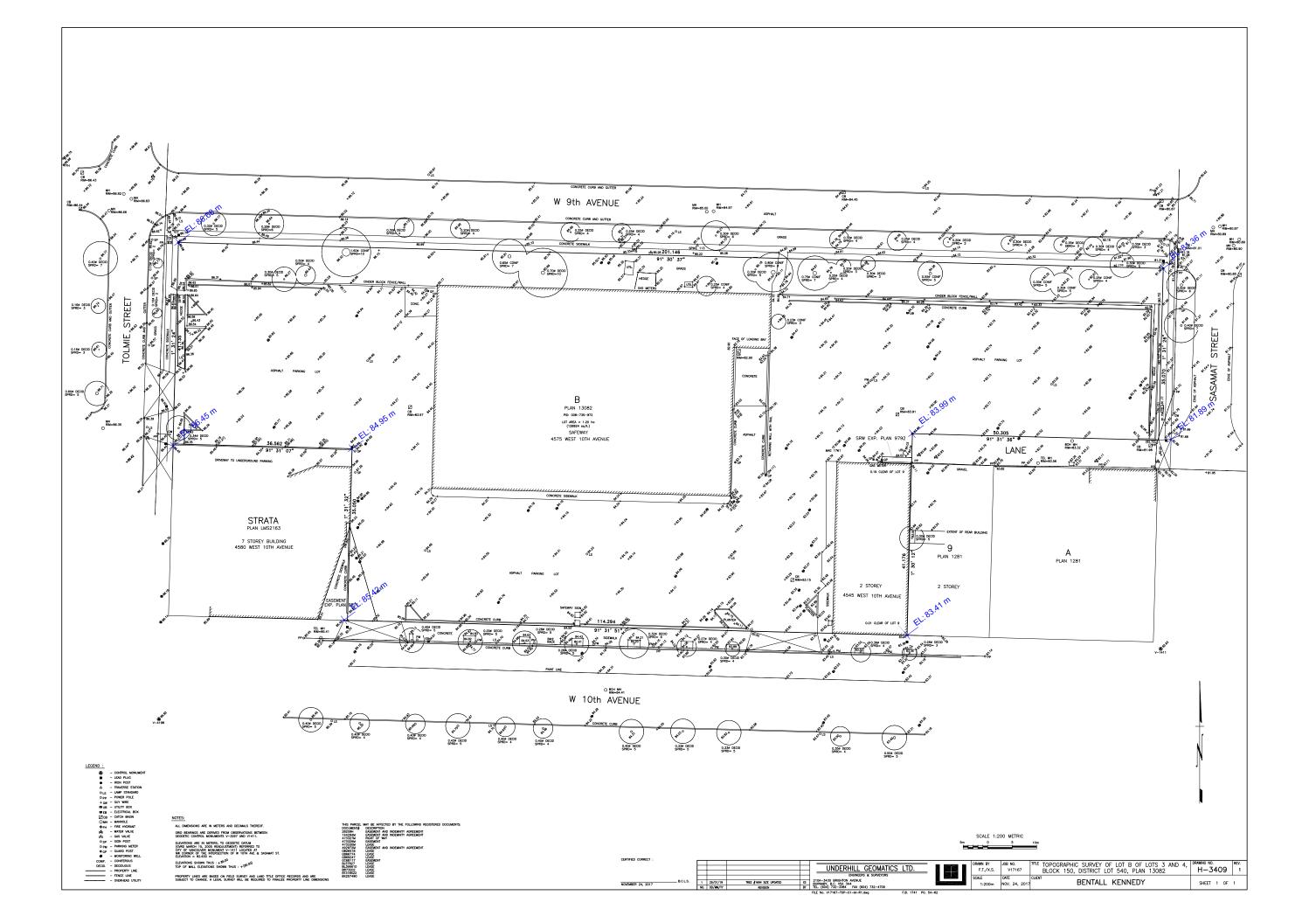
ı	FSR Exclusions
	92,920
	108,508
	201,428

FSR Summary			
GFA	Exclusions	FSR Area	
92,920	92,920	0	
108,508	108,508	0	
201,428	201,428	0	

FSR:

3.84

ARCHITECTURAL DRAWINGS



LEGEND

PROPERTY LINE

--- TREE PROTECTION BARRIER

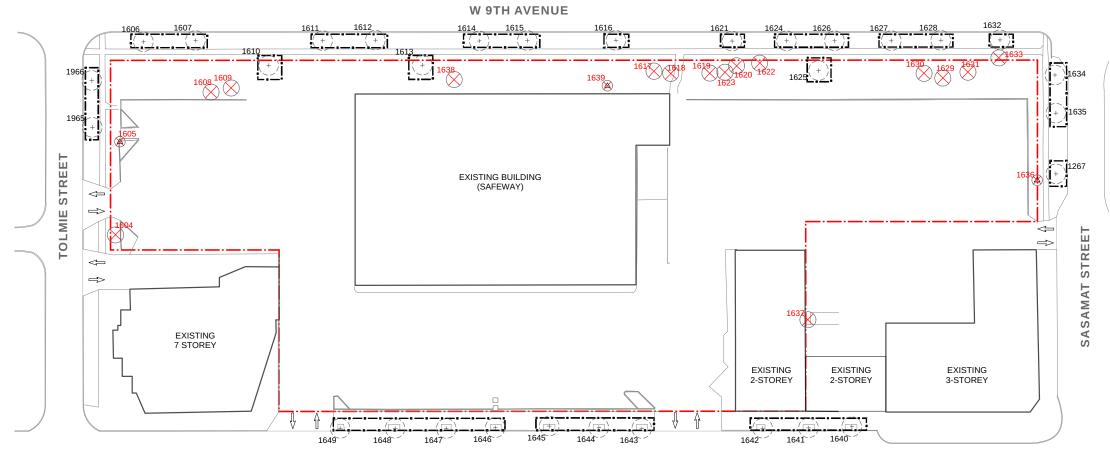
EXISTING TREE TO REMAIN (PER ARBORIST REPORT)

1574 EXISTING TREE TO BE REMOVED (PER ARBORIST REPORT)

(PER ARBORIST REPORT)

TREE PROTECTION NOTES

- 1. ALL TREES DESIGNATED TO BE SAVED SHALL BE PROTECTED BY FENCING, AS ILLUSTRATED.
- 2. INSTALL TREE PROTECTION FENCE AT TREE DRIP LINE (PERMEABLE AREA UNDER THE LEAF STRUCTURE) OR AT THE MINIMUM TREE PROTECTION ZONE DISTANCE PROVIDED IN THE ARBORIST REPORT, PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- 3. TREE PROTECTION FENCING IS TO BE CLEARLY SIGNED "TREE PROTECTION ZONE – DO NOT ENTER" AND REMAIN INTACT DURING ANY ACTIVE DEVELOPMENT/CONSTRUCTION
- 4. INFORM PROJECT ARBORIST WHEN ALL TREE PROTECTION BARRIERS HAVE BEEN INSTALLED AND PRIOR TO CONSTRUCTION. ARBORIST TO PROVIDE WRITTEN INSPECTION AND APPROVAL OF ALL BARRIERS BEFORE CONSTRUCTION
- 5. THERE SHALL BE NO STORAGE OF MATERIAL WITHIN THE BOUNDARIES OF THE TREE PROTECTION FENCING.
- 6. TREE PROTECTION FENCING SHALL BE MAINTAINED THROUGHOUT THE DURATION OF



TREE PROTECTION DETAIL

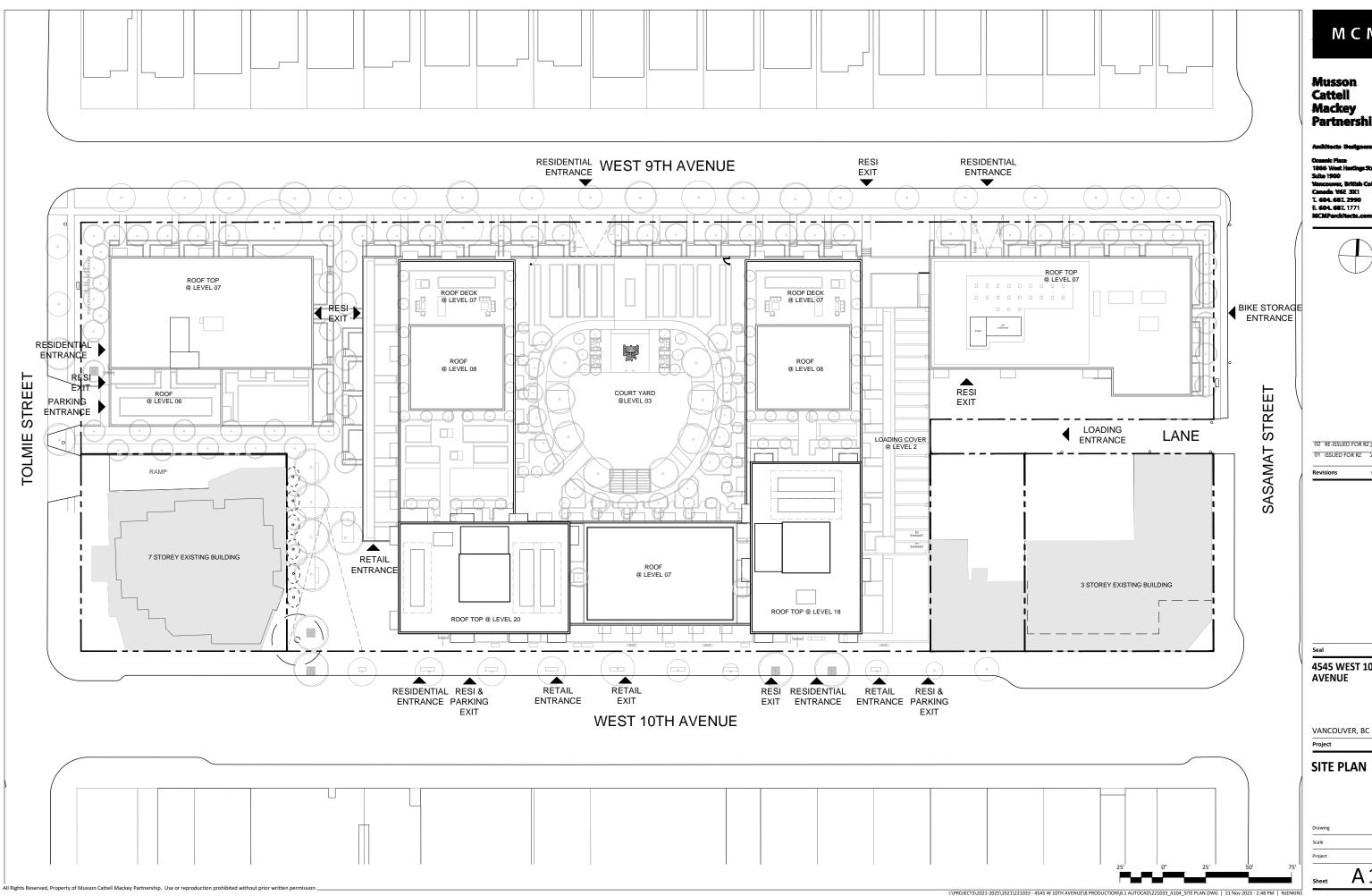
Connect
LANDSCAPE ARCHITECTURE

TREE PROTECTION BARRIER METAL OR 2X4 WOOD FRAME WITH CROSS BRACE CONSTRUCTION SPACED NO MORE THAN 1M APART AND STAKED TO GROUND SNOW FENCING FASTENED SECURELY TO -CLEAR SIGNAGE ON FENCING TO REMAIN INTACT DURING ANY ACTIVE DEVELOPMENT / CONSTRUCTION ACTIVITY W 10TH AVENUE

50 m SCALE: 1:750

4545 W 10th ave. VANCOUVER, BRITISH COLUMBIA

19-02-28 06-652 Project No: Revision: Issued For Information



M C M

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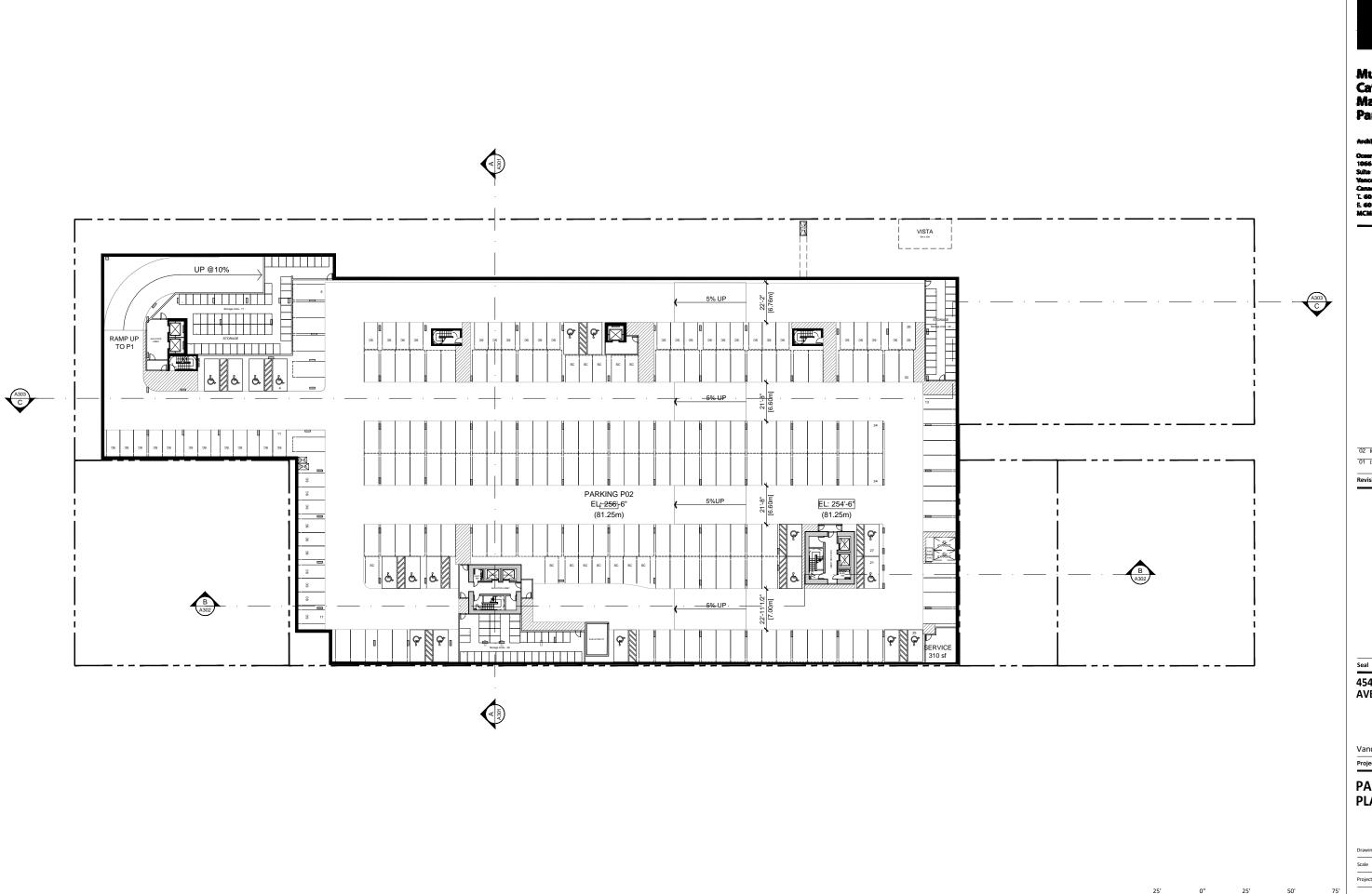
YYYY-MM-DD

4545 WEST 10TH **AVENUE**

SITE PLAN

1" = 50' 221033

A 104



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4545 WEST 10TH AVENUE

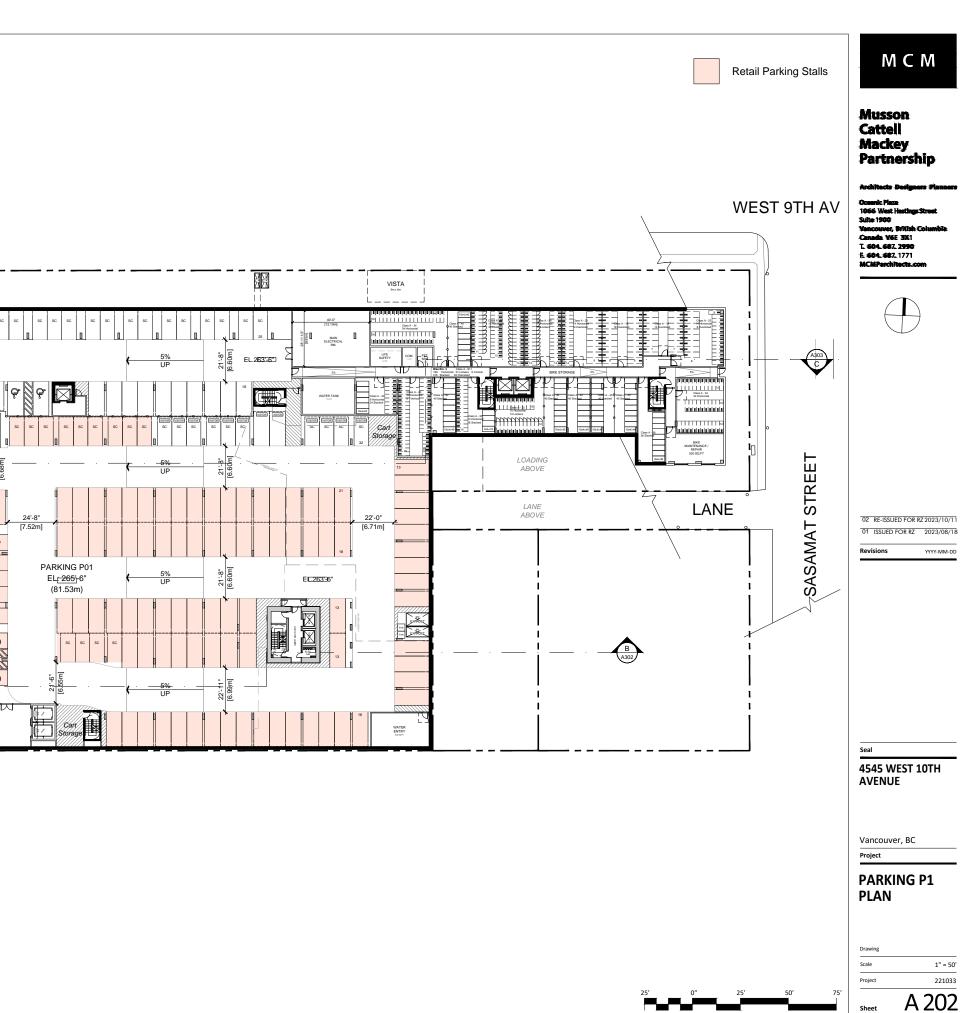
Vancouver, BC

PARKING P2 PLAN

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1" = 50'

A 201



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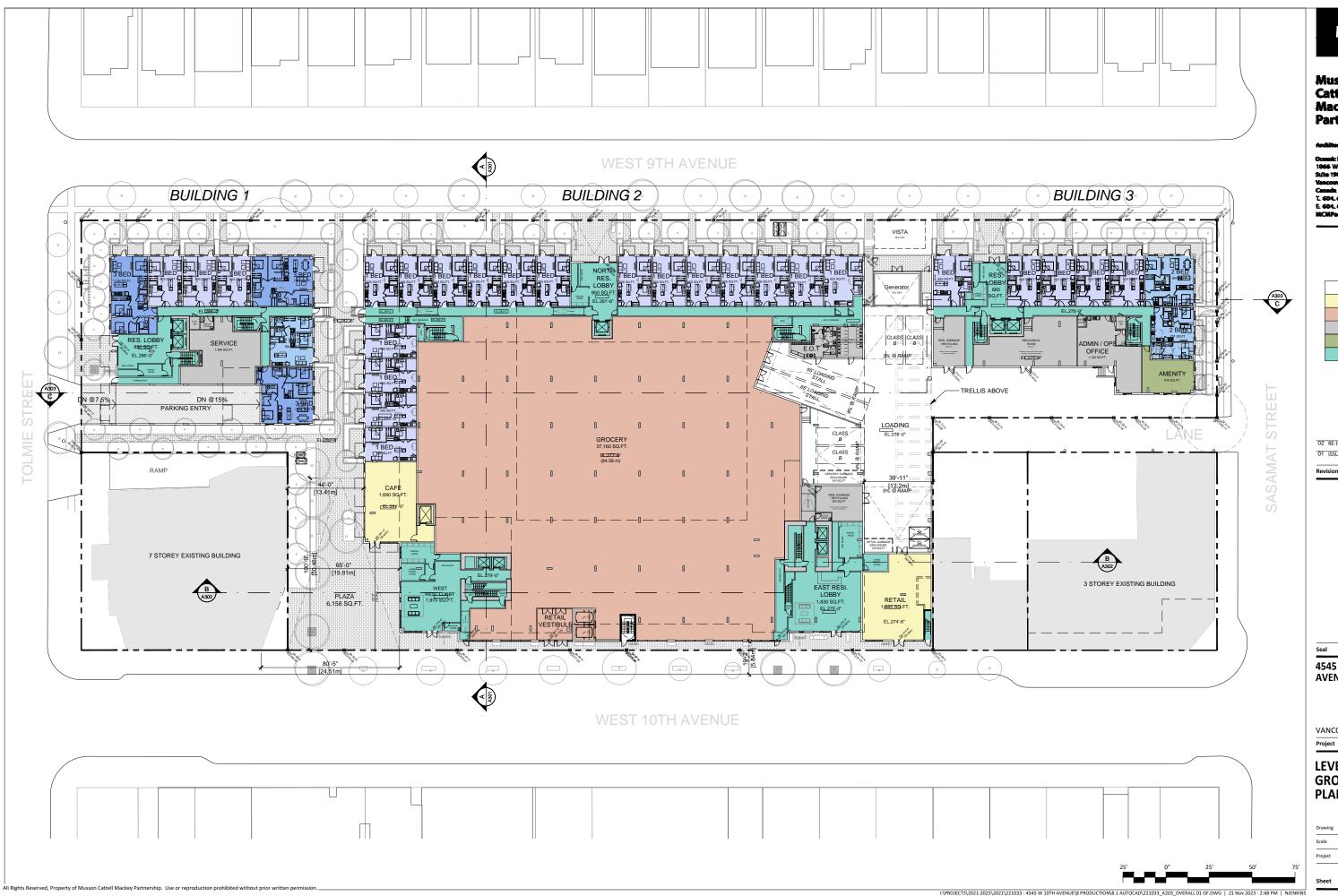
UP @15%

THE CONTRACTOR OF THE CONTRACT

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UP@7.5%

A303 C



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Architects Designers Plans

Oceanic Plaza
1066 West Hastings Street
Suite 1900
Vancouver, British Columbi
Canada V6E 3X1
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E 604, 687, 1771
MCMERockhode com





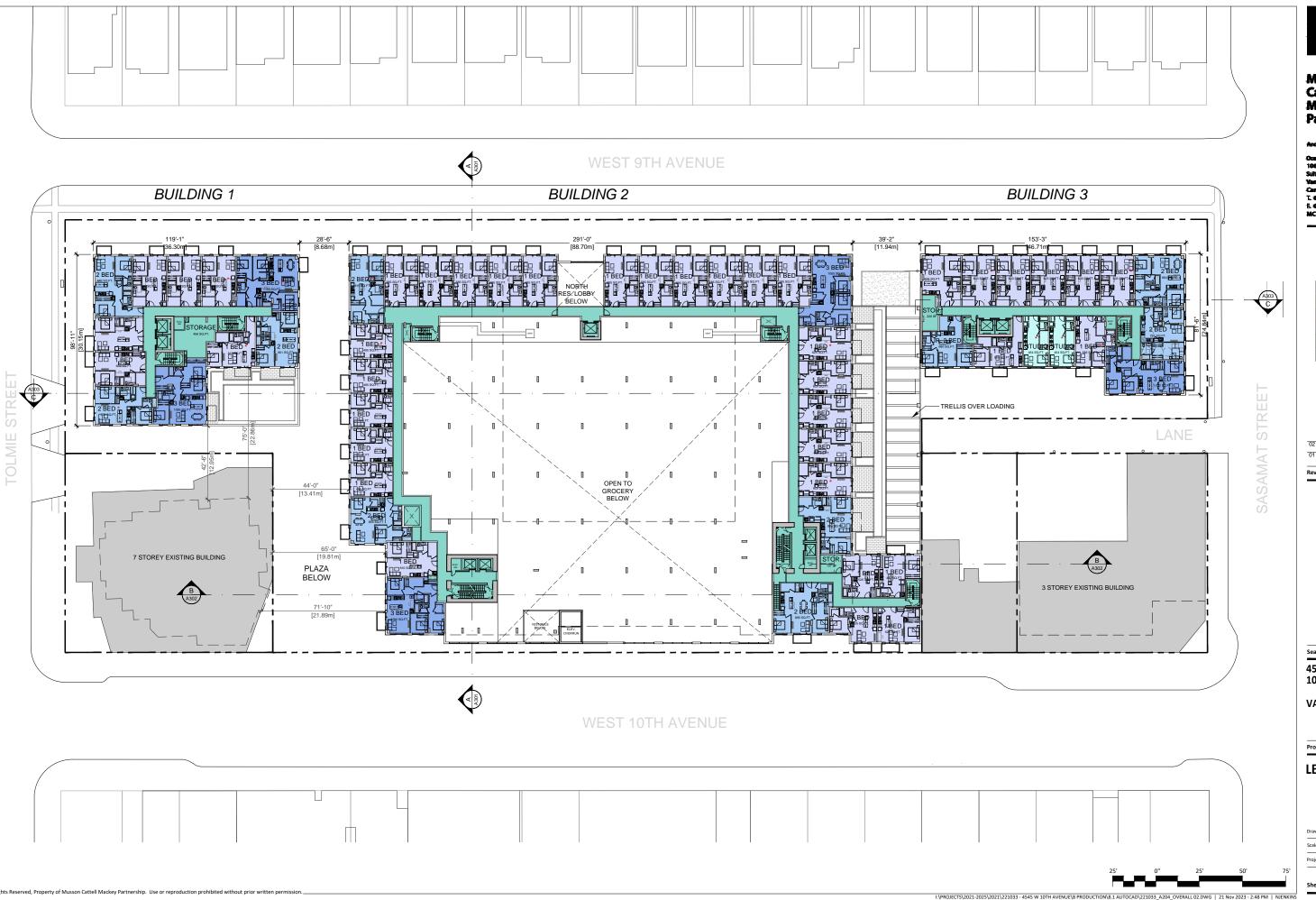
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4545 WEST 10TH AVENUE

VANCOUVER, BC

LEVEL 01 GROUND FLOOR PLAN



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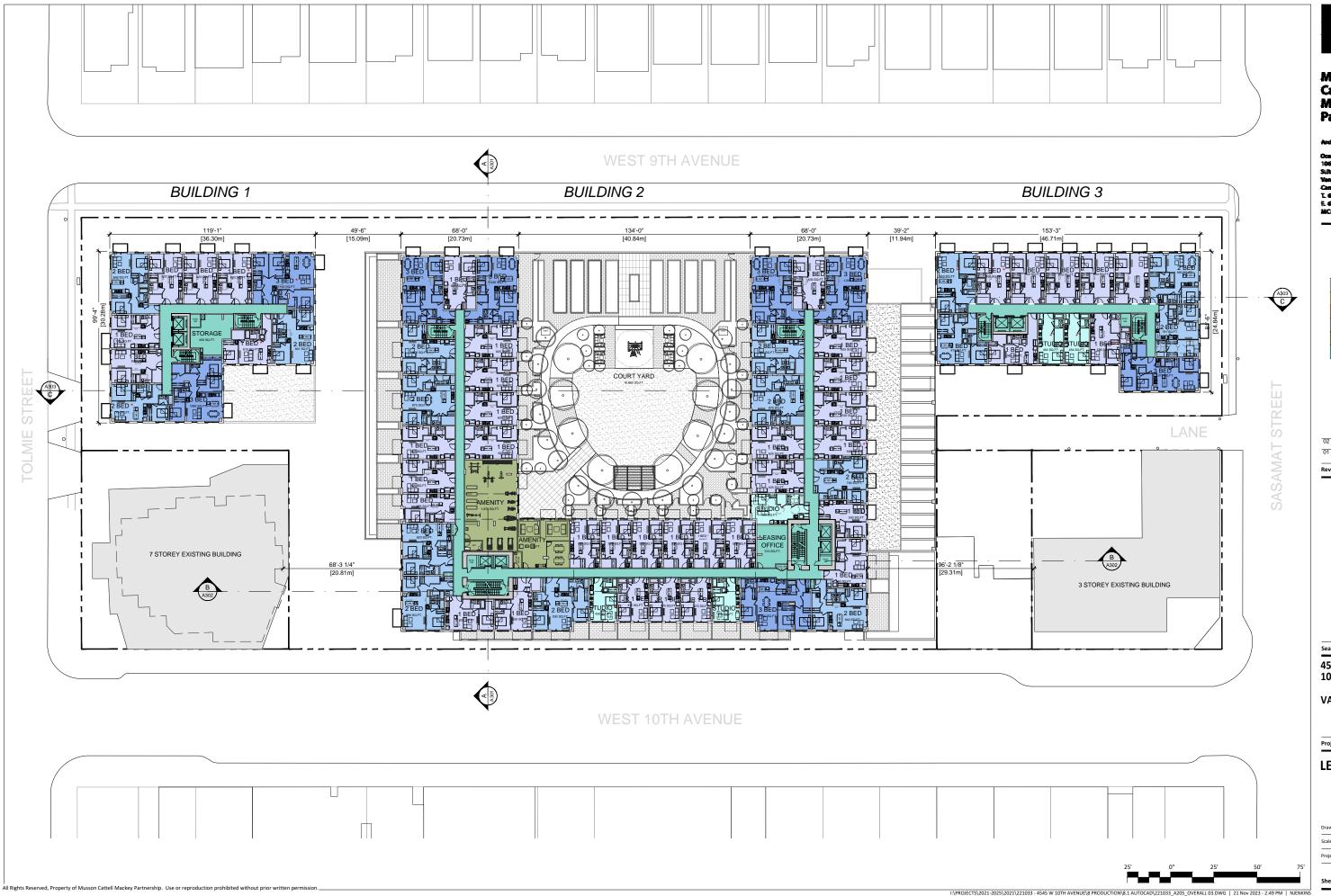
4545 WEST 10TH AVENUE

VANCOUVER, BC

LEVEL 02 PLAN

1" = 50'

A 204



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★ MIRHPP UNIT

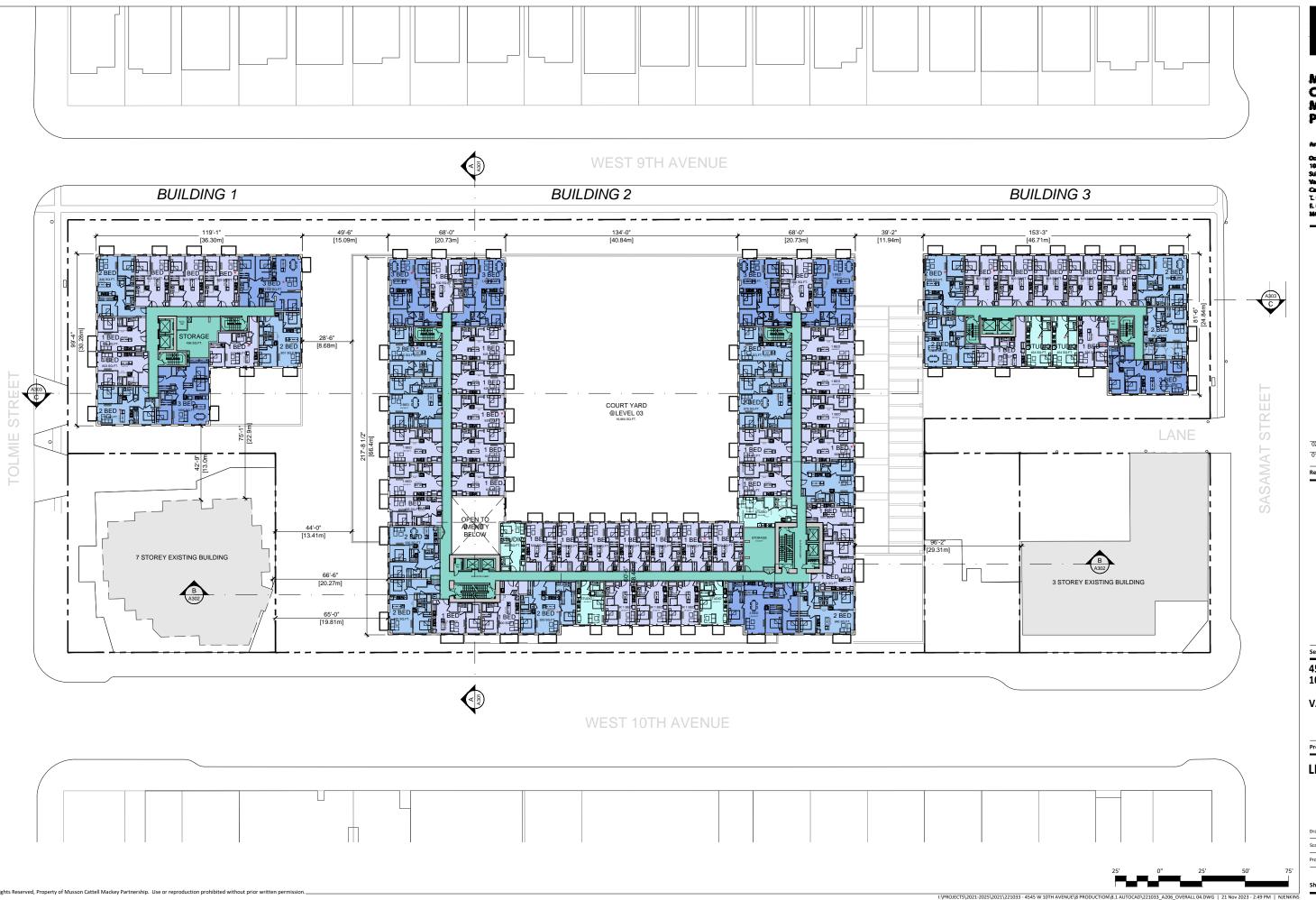
4545 WEST 10TH AVENUE

VANCOUVER, BC

LEVEL 03 PLAN

1" = 50'

A 205

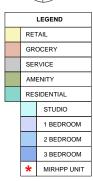


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4545 WEST 10TH AVENUE

VANCOUVER, BC

Project

LEVEL 04 PLAN

Drawing

Scale 1" = 50'
Project 221033

Sheet A 206

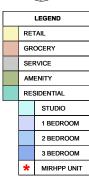


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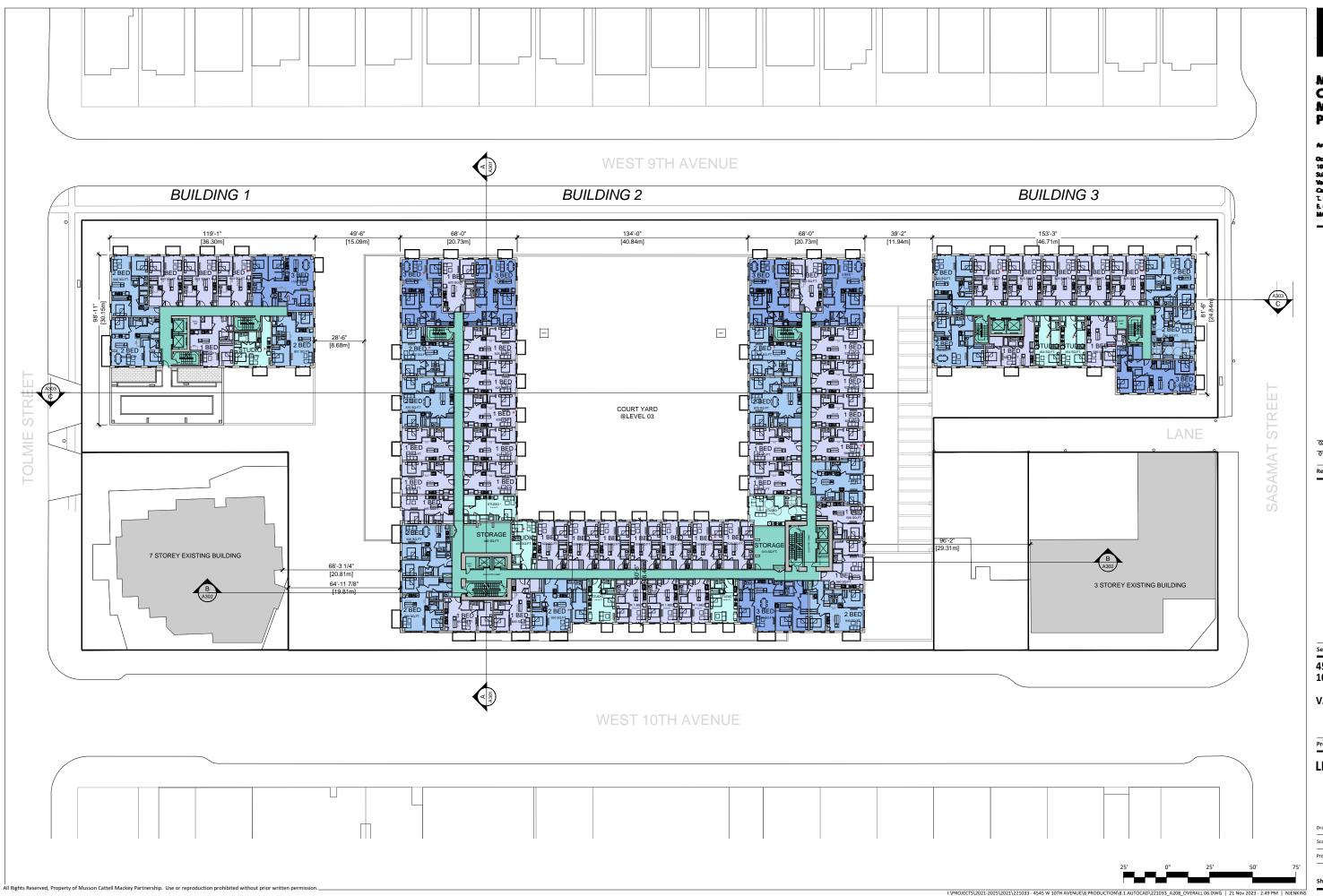
Project

LEVEL 05 PLAN

Drawing

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Project 221033

Sheet A 207



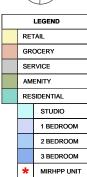
Musson Cattell Mackey Partnership

Architects Designers Planner

Orașel: Plaza

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4545 WEST 10TH AVENUE

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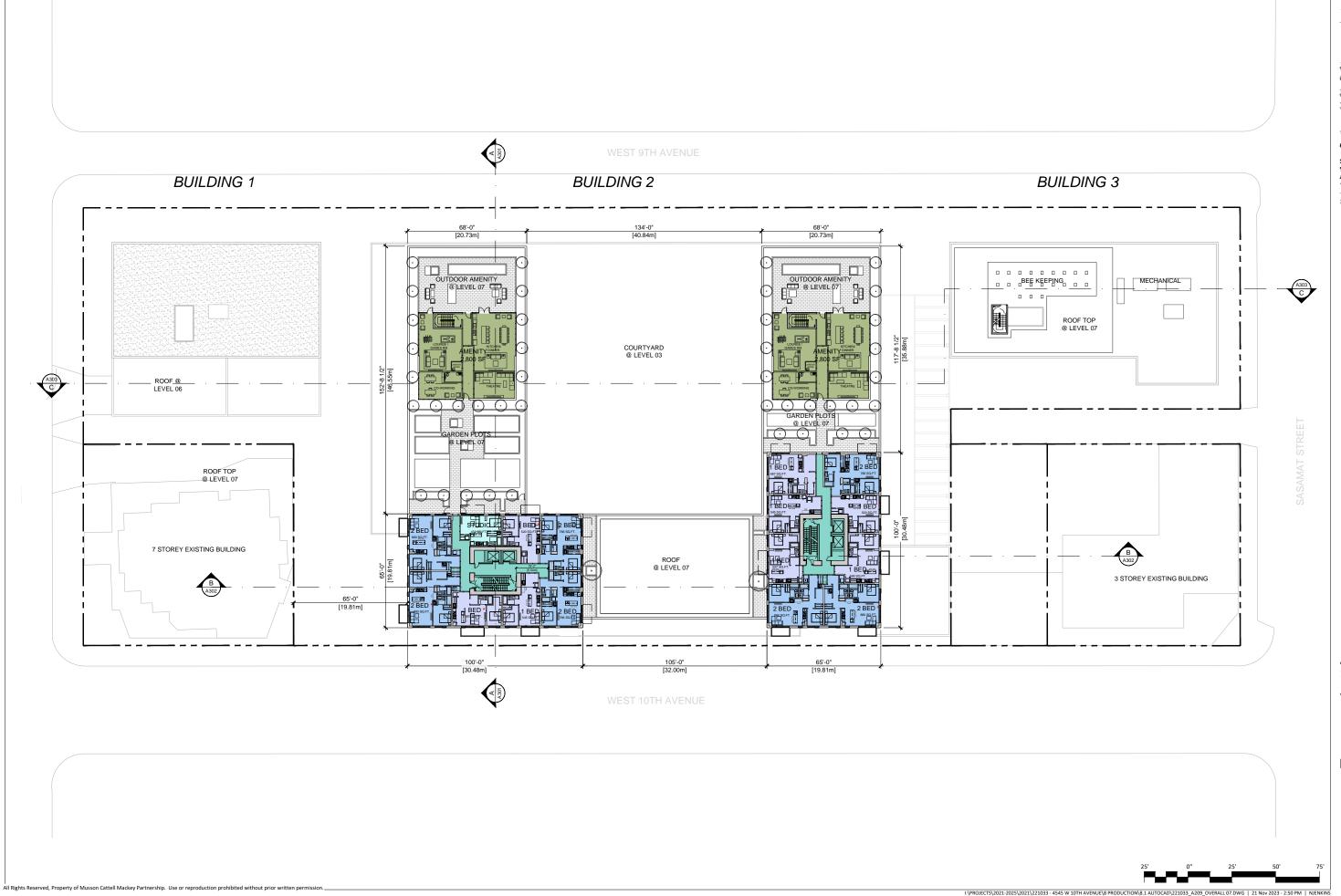
Project

LEVEL 05 PLAN

Drawing

Scale 1" = 50'
Project 221033

Sheet A 208

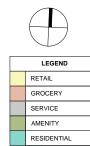


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★ MIRHPP UNIT
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STUDIO 1 BEDROOM

2 BEDROOM 3 BEDROOM

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4545 WEST 10TH AVENUE

VANCOUVER, BC

Proiect

LEVEL 07 PLAN

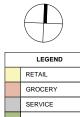
Drawing

Scale 1" = 50'
Project 221033

Sheet A 209



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AMENITY RESIDENTIAL STUDIO 1 BEDROOM 2 BEDROOM 3 BEDROOM ★ MIRHPP UNIT

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4545 WEST 10TH AVENUE

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LEVELS 08-17 PLAN

1" = 50'

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1 BEDROOM
2 BEDROOM
3 BEDROOM
* MIRHPP UNIT

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VANCOUVER, BC

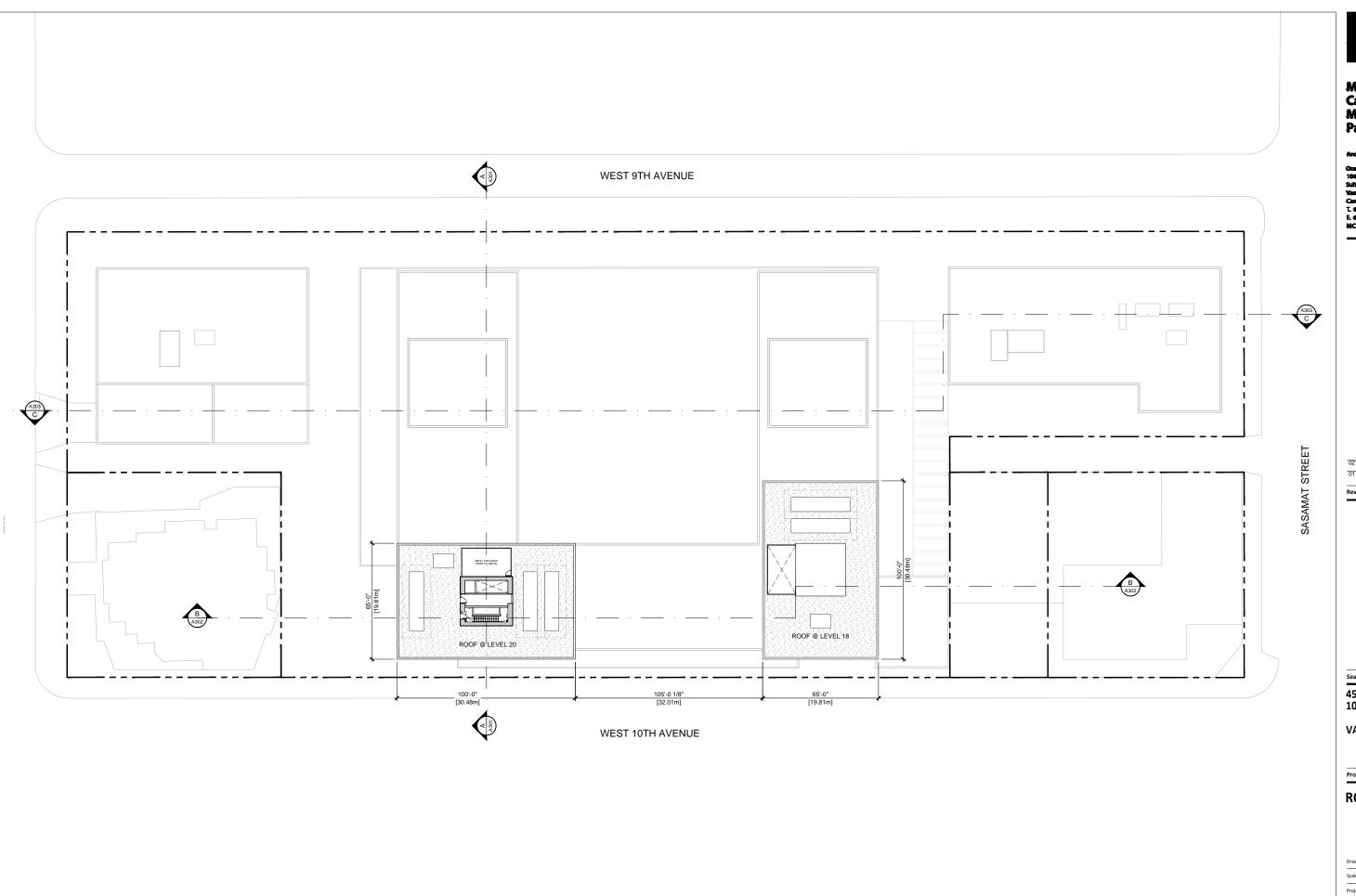
Project

LEVELS 18-19 PLAN

Drawing

Scale 1" = 50'
Project 221033

Sheet A 211



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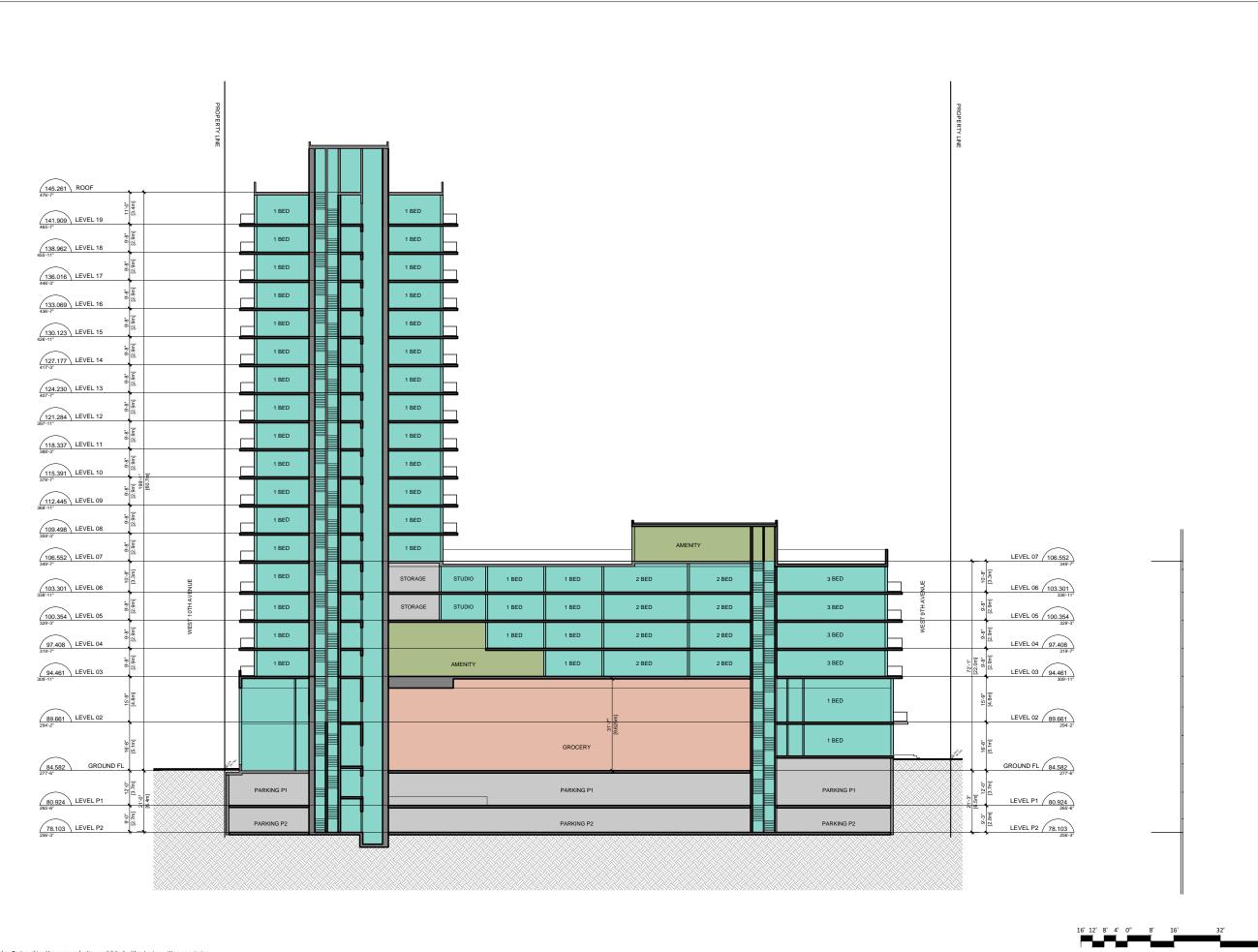
4545 WEST 10TH AVENUE

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ROOF LEVEL

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1" = 50'





Architects Designers Plan

Oceanic Piaza 1066 West Hastings Street Sulfa: 1900 Vancouver, British Columbi Canada: V6E 3K1 T. 604, 687, 2990 E. 604, 687, 1771 MCMParchitects.com

LEGEND				
	RETAIL			
	GROCERY			
	SERVICE / PARKING			
	AMENITY			
	RESIDENTIAL			

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Revisions YYYY-MM

Seal

4545 WEST 10TH AVENUE

VANCOUVER, BC

Project

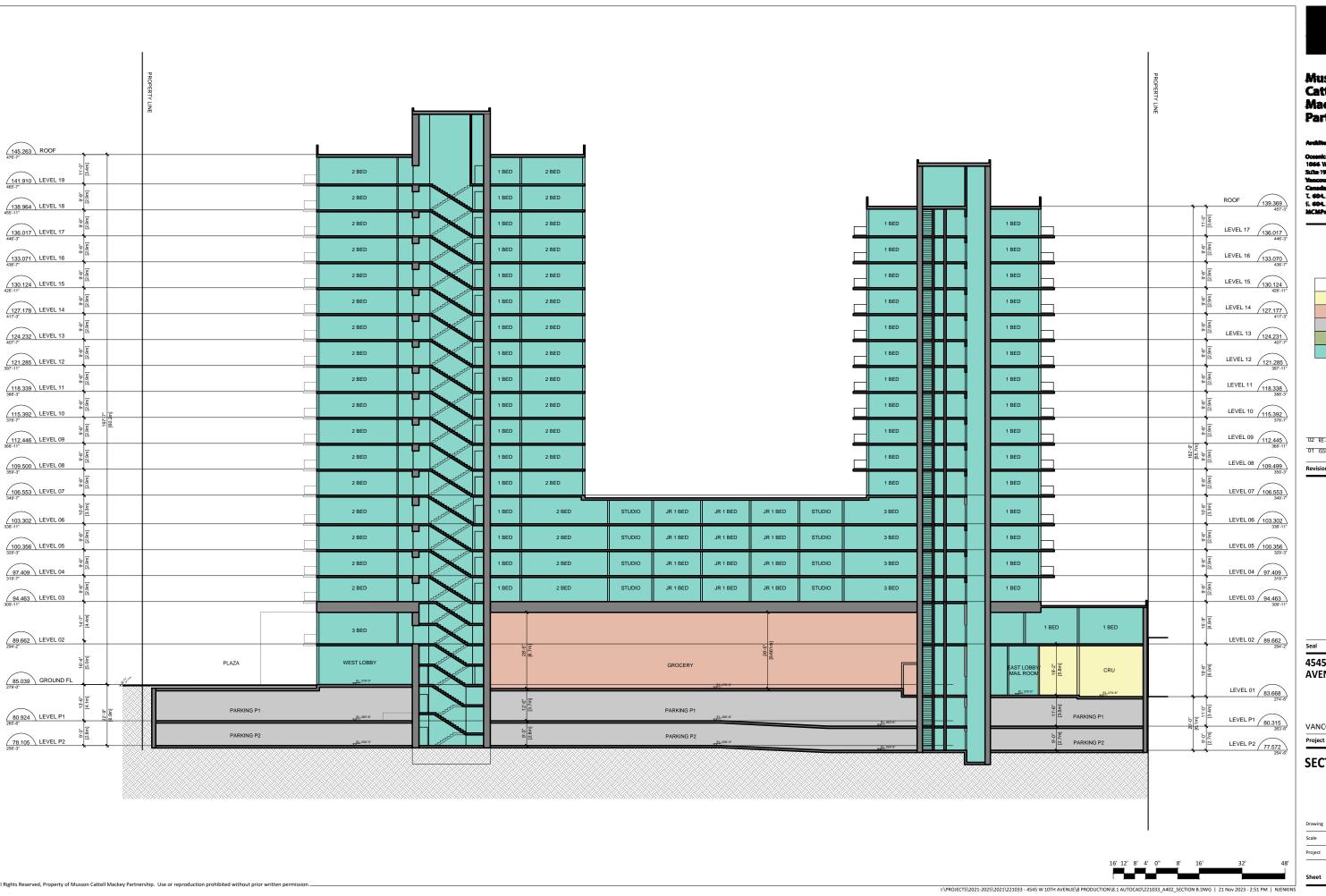
SECTION A-A

Drawing

Scale 1/32" = 1'-0"

Project 221033

Sheet A 401





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Suitle 1900
Vancouver, British Co.
Canada: V6E 3X1
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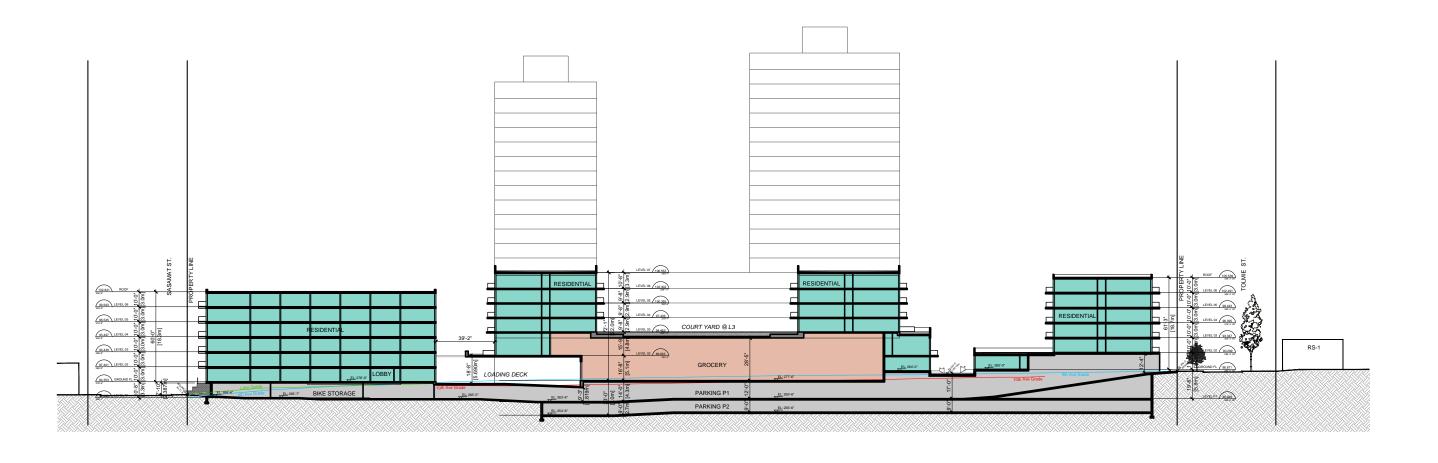
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4545 WEST 10TH **AVENUE**

VANCOUVER, BC

SECTION B-B

1/32" = 1'-0"



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Oceanic Plaza: 1966 West Hastings Str Suite: 1900 Vancouver, British Col Canada: V6E 3X1 T. 604. 687. 2990 E. 604. 687. 1771 MCMParchitects.com

LEGEND				
	RETAIL			
	GROCERY			
	SERVICE / PARKING			
	AMENITY			
	RESIDENTIAL			

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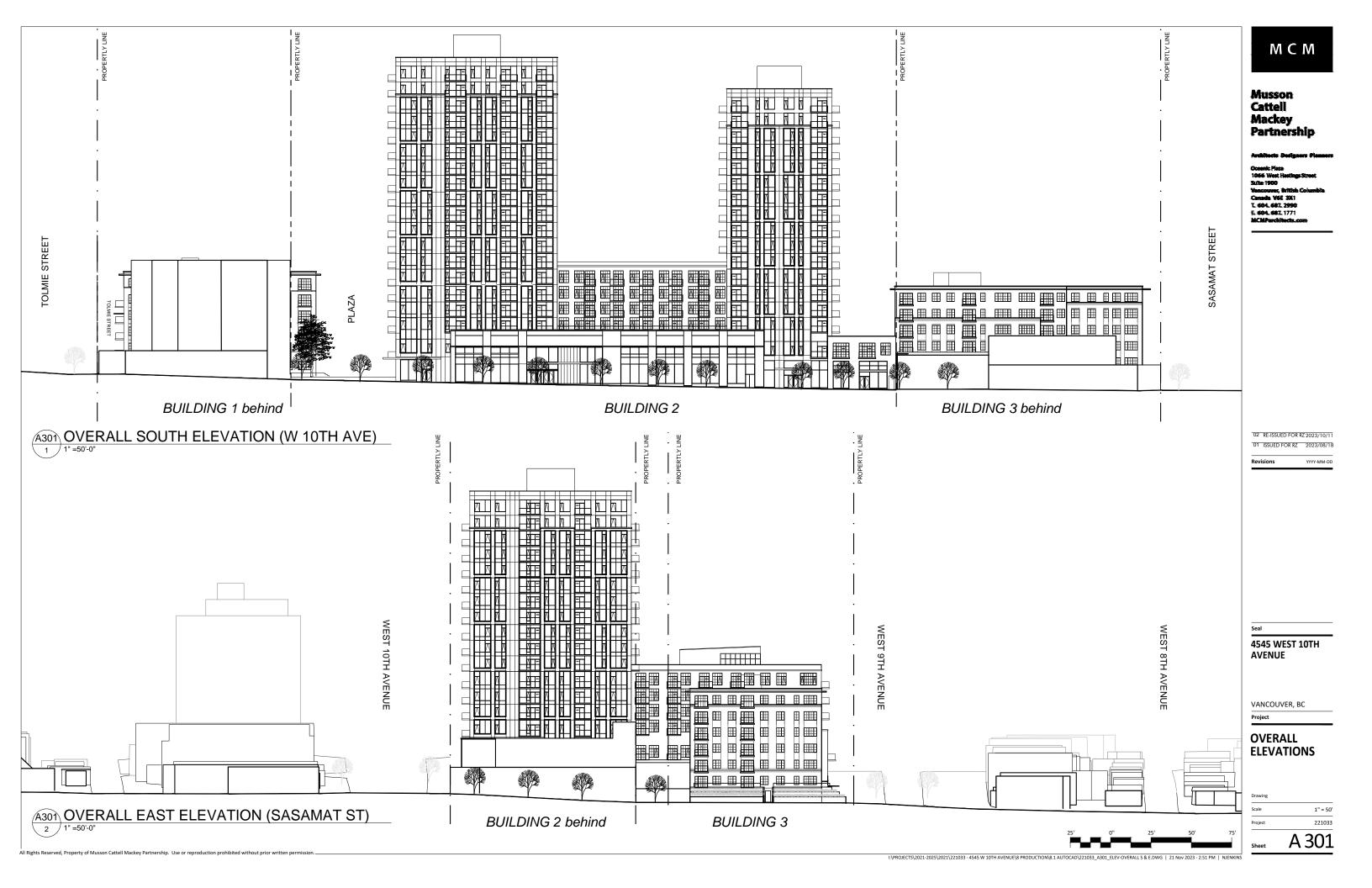
4545 WEST 10TH AVENUE

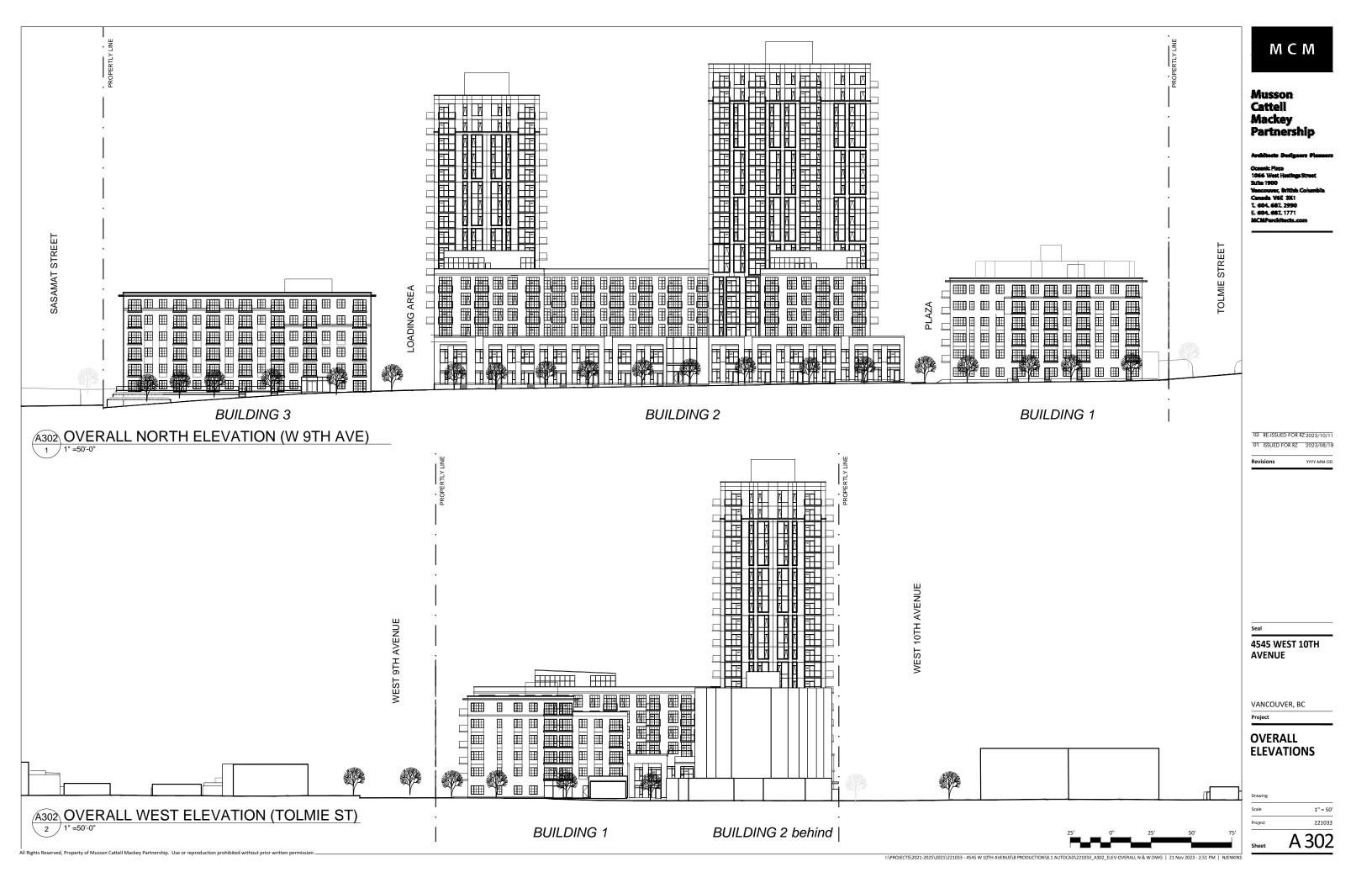
VANCOUVER, BC

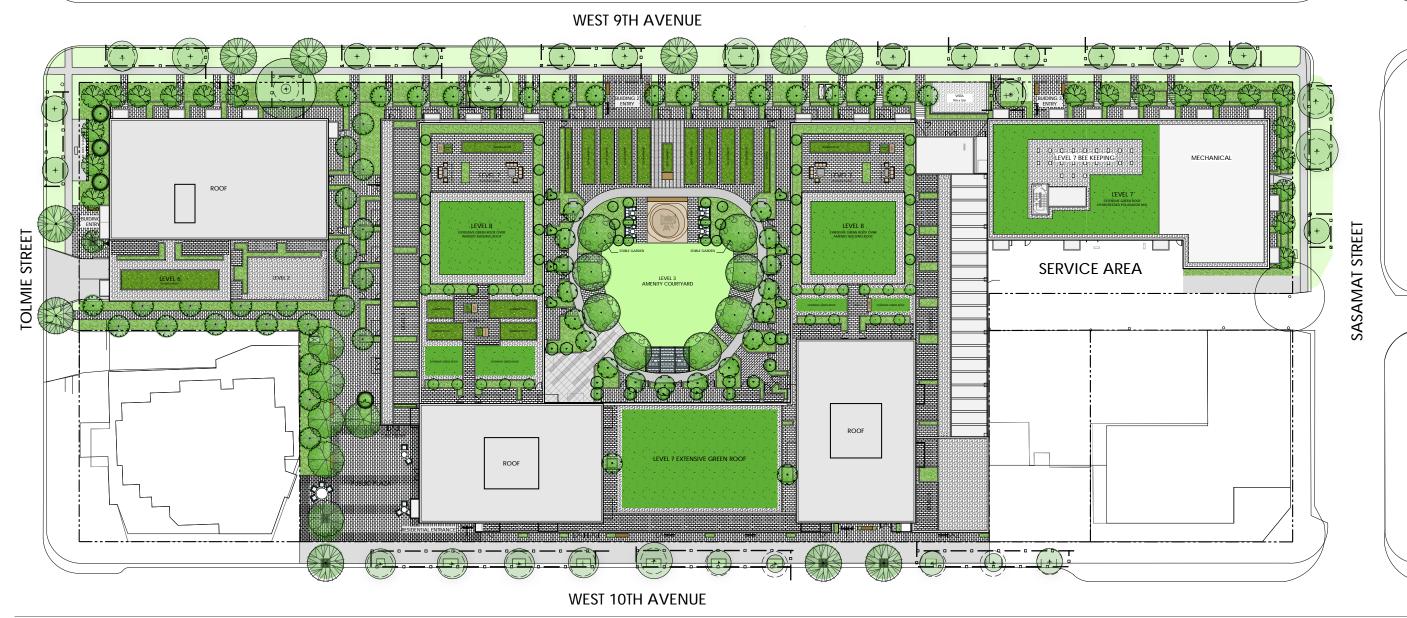
Project

SECTION C

1/64" = 1'-0"







	2	Aug 18-2023	Rezoning
	1	May 20-2023	Open House
	no.:	date:	item:



4545 WEST 10TH AVENUE VANCOUVER, BC

August 2023

1" = 24' 0"

OVERALL LANDSCAPE

DESIGN RATIONALE

The landscape design aims to create interesting outdoor spaces and programming for the West Point Grey community, residents, and various user groups to enjoy and benefit from. Amenities available to the public are a supermarket, a cafe, a public corner plaza, future bike share stalls, bike racks, seating opportunities, etc. Semi-public amenities available to the residents include, garden plots, edible gardens, children play areas, outdoor living spaces, a trellis with vines, an open lawn area for flex use, outdoor seating areas, etc. A mix of evergreen and deciduous trees and shrubs will create a softer ambiance and seasonal interest throughout the project.

The proposed landscape planting incorporates canopy/habitat stratification with tree and shrub planting. The design retains 31 existing trees onsite and offsite. In total 185 new trees are proposed. Of this number, 174 trees are proposed within the property and 11 are to be planted in the city boulevards. Trees are selected from the "Urban Tree List for Metro Vancouver in a Changing Climate". The plant pallet aims to maximize ecosystem services by utilizing native and adaptive plants, plants that attract birds and insects, and edible species. This includes a combination of evergreen and deciduous shrubs, perennials, and intensive/extensive green roof systems.

DRAWING LIST

	DRAWING NAME
L-1.01	OVERALL LANDSCAPE PLAN
L-1.02	GROUND LEVEL LANDSCAPE

LEVEL 2 AND 3 LANDSCAPE PLAN L-1.04 L-1.05 LEVEL 6, 7 AND 8 LANDSCAPE PLAN SOIL DEPTH PLAN

VEGETATIVE COVER AND TREE CANOPY PLAN LANDSCAPE SECTIONS

DRAWING SCALE 1" = 24' 0" (1:288) 1" = 24' 0" (1:288) 1" = 24' 0" (1:288)

1" = 24' 0" (1:288) 1" = 24' 0" (1:288) " = 24' 0" (1:288) 1" = 4' 0" (1:96)

MATERIALS LEGEND

OFF-SITE. CIP CONCRETE PAVING. Colour: Natural. Finish: Light Broom. (to City Standards).

BROADWAY UNIT PAVER BY UNILOCK.

Color: Charcoal and Natural. Size: 12" X 6" X 4"

MANHATTAN VIBROPRESSED SLABS BY NEW STONE GROUP. Color: Natural. Size: 12" x 24" x 2".

GRAVEL.

SHRUB PLANTING.

SOD LAWN. Non-netted sand based turf.

EXTENSIVE GREEN ROOF SYSTEM.

GARDEN PLOTS.

POURED IN PLACE RUBBER SAFETY SURFACE.

---- PROPERTY LINE.

PLANTER WALLS/CURBS.

22009 Sheet No.:

Drawn by:

Date:

Scale:

Checked by:

PLAN

L-1.01

REFERENCE IMAGES



JAPANESE BLACK PINE























STAR MAGNOLIA









LANDSCAPE GATES.

PRE FABRICATED PLAY EQUIPMENT. Refer to cutsheets. EXISTING TREE AND TREE PROTECTION FENCE. Refer to arborist report.

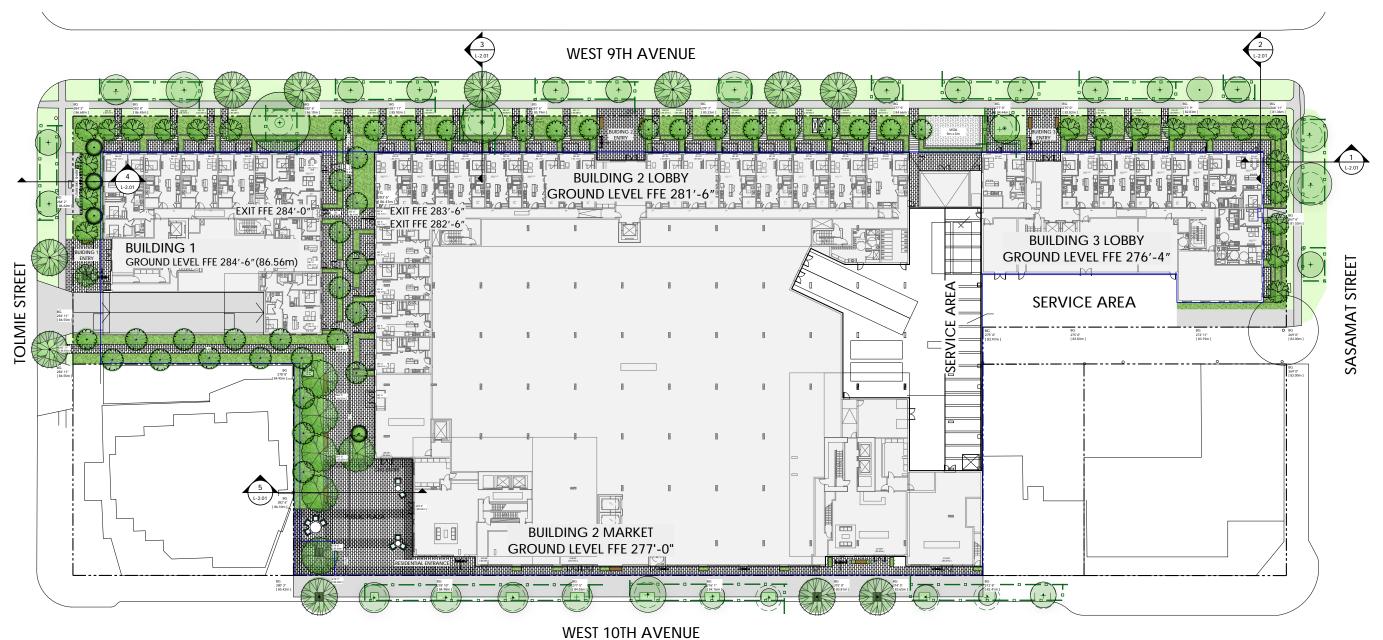
4545 West

Rezoning Booklet

10th Avenue

November 2023







LANDSCAPE - LEVEL 3

4545 West 10th Avenue

Rezoning Booklet

November 2023



LANDSCAPE - LEVEL 7



Musson Cattell Mackey Partnership

4545 West 10th Avenue

Rezoning Booklet

November 2023



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RENDER - WEST 10TH AVE. AERIAL

4545 West 10th Avenue

Rezoning Booklet

Novembe 2023



November 2023



Appendix

RENDER - WEST 9TH AVE. AERIAL

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RENDER - WEST 10TH AVE.

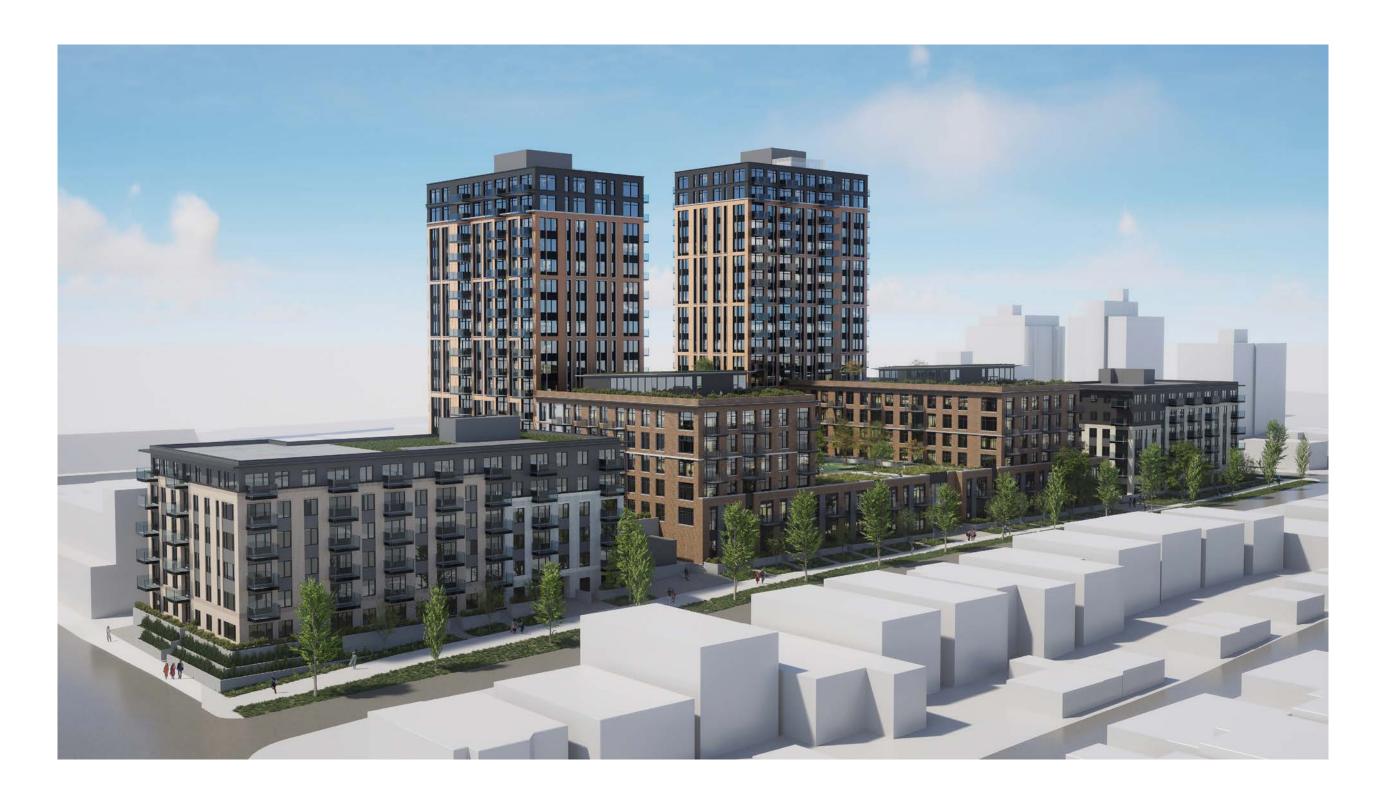
4545 West 10th Avenue

Rezoning Booklet

November 2023



RENDER - WEST 9TH AVE.



4545 West 10th Avenue

Rezoning Booklet

November 2023

	4545	West	10th	Avenue
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SUBMITTED BY: MUSSON CATTELL MACKEY ARCHITECTS DESIGNERS PLANNERS
SUBMITTED TO: CITY OF VANCOUVER
SUBMITTED ON: NOVEMBER, 2023

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