City of Surrey PLANNING & DEVELOPMENT REPORT Application No.: 7923-0144-00

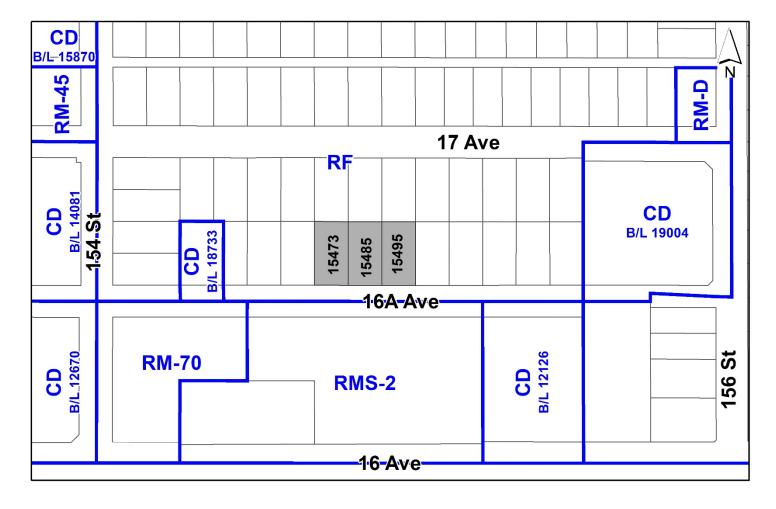
Planning Report Date: January 15, 2024

PROPOSAL:

- **Rezoning** from RF to CD (based on RM-70)
- Development Permit

to permit the development of a six-storey apartment building consisting of 66 units.

	LOCATION:	15495 – 16A Avenue
		15473 – 16A Avenue
		15485 – 16A Avenue
	ZONING:	RF
	OCP DESIGNATION:	Multiple Residential
	TCP DESIGNATION:	Low-Rise Residential
1		



112 AVE 104 AVE GUILDFORD WHALLEY 96 AVE 88 AVE FLEETWOOD 80 AVE 72 AVE NEWTON CLOVERDALE 64 AVE 56 AVE **48 AVE** 120 ST 40 AVE **32 AVE** SOUTH SURREY 24 AVE **16 AVE** 144 ST 152 ST 128 ST 136 ST 8 AVE 160 ST 0 AVE 184 ST 192 ST 176 ST 168 ST

RECOMMENDATION SUMMARY

- Rezoning By-law to proceed to Public Notification. If supported the By-law will be brought forward for First, Second and Third Reading.
- Approval to draft Development Permit for Form and Character.

DEVIATION FROM PLANS, POLICIES OR REGULATIONS

• None.

RATIONALE OF RECOMMENDATION

- The proposal complies with the Multiple Residential designation in the Official Community Plan (OCP).
- The proposal complies with the Low-Rise Residential designation in the Semiahmoo Town Centre Plan (TCP).
- The proposal complies with the General Urban designation in the Metro Vancouver Regional Growth Strategy (RGS).
- In accordance with changes to the *Local Government Act*, Section 464, under Bill 44 (2023) a Public Hearing is not required for the subject rezoning application as the proposed rezoning is consistent with the Official Community Plan (OCP). As such, Council is requested to endorse the Public Notification to proceed for the proposed Rezoning By-law. The Rezoning By-law will be presented to Council for consideration of First, Second, and Third Reading, after the required Public Notification is complete, with all comments received from the Public Notification presented to Council prior to consideration of the By-law readings.
- The proposed density and building form are appropriate for this part of Semiahmoo Town Centre Plan.
- The proposed development is within the Semiahmoo Town Centre plan area and conforms to the goal of achieving higher density development near a transit corridor.
- The proposal complies with the Development Permit requirements in the OCP for Form and Character.
- The proposed setbacks achieve a more urban, pedestrian streetscape in compliance with the Semiahmoo Town Centre Plan (TCP) and in accordance with the Development Permit (Form and Character) design guidelines in the OCP.
- The proposed building achieves an attractive architectural built form, which utilizes high quality, natural materials and contemporary lines. The street interfaces have been designed to a high quality to achieve a positive urban experience between the proposed building and the public realm.

RECOMMENDATION

The Planning & Development Department recommends that:

- Council endorse the Public Notification to proceed for a By-law to rezone the subject site from "Single Family Residential Zone (RF)" to "Comprehensive Development Zone (CD)" (based on "Multiple Residential 70 Zone (RM-70)").
- 2. Council authorize staff to draft Development Permit No. 7923-0144-00, generally in accordance with the attached drawings (Appendix I).
- 3. Council instruct staff to resolve the following issues prior to final adoption:
 - (a) ensure that all engineering requirements and issues including restrictive covenants, dedications, and rights-of-way where necessary, are addressed to the satisfaction of the General Manager, Engineering;
 - (b) submission of a subdivision layout to the satisfaction of the Approving Officer;
 - (c) resolution of all urban design issues to the satisfaction of the Planning and Development Department;
 - (d) submission of a finalized landscaping plan and landscaping cost estimate to the specifications and satisfaction of the Planning and Development Department;
 - (e) submission of a finalized tree survey and a statement regarding tree preservation to the satisfaction of the City Landscape Architect;
 - (f) the applicant satisfy the deficiency in tree replacement on the site, to the satisfaction of the Planning and Development Department;
 - (g) demolition of existing buildings and structures to the satisfaction of the Planning and Development Department; and
 - (h) registration of a Section 219 Restrictive Covenant to adequately address the City's needs with respect to public art, to the satisfaction of the General Manager Parks, Recreation and Culture and with respect to the City's Affordable Housing Strategy and Tier 1 Capital Project CACs, to the satisfaction of the General Manager, Planning & Development Services.

Direction	Existing Use	TCP Designation	Existing Zone
Subject Site	Single detached dwellings.	Low-Rise Residential	RF
North:	Single detached	Townhouse	RF
	dwellings.	Residential	

SITE CONTEXT & BACKGROUND

Direction	Existing Use	TCP Designation	Existing Zone
East:	Single detached	Low-Rise	RF
	dwellings.	Residential	
South (Across 16A Avenue):	Seniors residence.	Low-Rise	RMS-2
		Residential	
West:	Single detached	Low-Rise	RF
	dwellings.	Residential	

Context & Background

- The subject site consists of three single-detached properties with a combined area of 2,558 square metres (0.25 hectares) which is located within the Semiahmoo Town Centre Plan area. The properties are located near the southeastern boundary of the Plan area, mid-block between 154 and 156 Streets and north of 16A Avenue.
- The subject site is designated "Multiple Residential" in the Official Community Plan (OCP), "Low-Rise Residential" in the Semiahmoo Town Centre Plan (TCP) and zoned "Single Family Residential Zone (RF)".

DEVELOPMENT PROPOSAL

Planning Considerations

- The subject application proposes a six-storey apartment building consisting of 66 units with 5,128 square metres of floor area. The application includes:
 - Rezoning from "Single Family Residential Zone (RF)" to "Comprehensive Development Zone (CD)" (based on "Multiple Residential 70 Zone (RM-70)");
 - Development Permit for Form and Character; and
 - Subdivision to consolidate the properties into a single development site.

	Proposed
Lot Area	
Gross Site Area:	2,558 square metres
Road Dedication:	467 square metres
Net Site Area:	2,091 square metres
Number of Lots:	1
Building Height:	21.7 metres
Floor Area Ratio (FAR):	2.0
Floor Area	
Residential:	5,128 square metres
Total:	5,128 square metres
Residential Units:	
Studio:	3 (4.5%)
1-Bedroom:	35 (53%)

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	Proposed
2-Bedroom:	21 (32%)
3-Bedroom:	7 (10.5%)
Total:	66

Referrals

Engineering:	The Engineering Department has no objection to the project subject to the completion of Engineering servicing requirements as outlined in Appendix II.
School District:	The School District has advised that there will be approximately 8 school-age children generated by this development, of which the School District has provided the following expected student enrollment.
	5 Elementary students at Jessie Lee Elementary School 2 Secondary students at Earl Marriott Secondary School
	(Appendix III)
	Note that the number of school-age children is greater than the expected enrollment due to students attending private schools, home school or different school districts.
	The applicant has advised that the dwelling units in this project are expected to be constructed and ready for occupancy by Fall 2027.
Parks, Recreation & Culture:	No concerns.
Culture.	Alderwood Park is the closest park with a natural area and is 800 metres walking distance from the development. Future active parkland is proposed within 240 metres walking distance of the development as part of the Semiahmoo Town Centre Plan (TCP).
Surrey Fire Department:	No concerns.
Advisory Design Panel:	The proposal was considered at the ADP meeting on July 27, 2023 and was conditionally supported. The applicant has resolved most of the outstanding items from the ADP review as outlined in the Development Permit section of this report. Any additional revisions will be completed prior to Council's consideration of Final Adoption of the rezoning by-law, to the satisfaction of the Planning and Development Department.

Transportation Considerations

Road Network and Infrastructure

- The applicant will be required to provide the following improvements:
 - Dedication and construction of the west half of a new 155 Street (along the eastern property line) to the City's local road standard, which is planned to ultimately connect to 18 Avenue; and
 - Construction of the north side of 16A Avenue to the City's local road standard.

Traffic Impacts

- According to industry standard rates, the proposal is anticipated to generate approximately one vehicle every one to two minutes in the peak hour.
- As part of the land use planning process for the Semiahmoo Town Centre Plan, an area-wide Transportation Impact Analysis (TIA) was conducted to evaluate the overall traffic impacts of redevelopment throughout the Plan area and to inform the infrastructure improvements to support the planned growth. Overall, the road network and infrastructure improvements identified within the Plan are anticipated to adequately accommodate the projected growth associated with the subject development and land use intensification in the area.
- As the proposal is consistent with the Semiahmoo Town Centre Plan and is below the City's typical traffic generation threshold, a site-specific TIA was not required as part of the subject proposal.

Parking and Access

- The subject development is proposed to be accessed via a ramp to the underground parkade from the new 155 Street at the northeast corner of the site.
- According to the Zoning Bylaw, 104 parking spaces are required to be provided on site based on the proposed number and type of residential units. The applicant is proposing to provide a parkade with a total of 104 parking spaces, meeting the Zoning Bylaw requirement.
- According to the Zoning Bylaw, 79 secured bicycle parking spaces are required, plus an additional 6 visitor bicycle parking spaces. The applicant is proposing to provide 82 secured bicycle parking spaces, plus 8 visitor parking spaces, exceeding the Zoning Bylaw requirement. Additionally, the applicant proposes to provide 17 of the proposed 82 bicycle parking spaces with electric charging capabilities.

Transit and Cycling

- The subject site is located 300 metres (approximately four-minute walking distance) from transit stops with the following services:
 - No. 321: Surrey Central Station/Newton/White Rock Centre
 - o No. 360: Ocean Park/Peace Arch Hospital

- No. 363: Southpoint/Peace Arch Hospital
- No. 375: White Rock/Guildford
- The subject site is also located in proximity (approximately six-minute walking distance) to the proposed terminus for the future R₁ King George RapidBus extension.
- Cycle tracks are planned within the vicinity of the subject site, including along 16 Avenue, 17 Avenue, 18 Avenue, 154 Street, and 156 Street. 156 Street is identified within the City's 10-Year Servicing Plan for collector road improvements, including planned cycle tracks.

Sustainability Considerations

- The applicant has met all of the typical sustainable development criteria, as indicated in the Sustainable Development Checklist.
- In addition, the applicant has highlighted the following additional sustainable features:
 - The applicant proposes to provide a high-albedo roof with a minimum Solar Reflectance Index value of 75, in support of the goals of the Climate Change Action Strategy, which was adopted by Council on July 24, 2023.

POLICY & BY-LAW CONSIDERATIONS

Regional Growth Strategy

• The subject site is designated "General Urban" in the Metro Vancouver Regional Growth Strategy. The proposal complies with this designation.

Official Community Plan

Land Use Designation

• The subject site is designated "Multiple Residential" in the Official Community Plan. The proposal complies with this designation.

Themes/Policies

- The proposed development is consistent with several OCP Themes and Policies, including:
 - Growth Management:
 - *Growth Priorities*: Support compact and efficient land development that is consistent with the Metro Vancouver *Regional Growth Strategy* (RGS).
 - Accommodating Higher Density: Direct residential and mixed-use development into Surrey's City Centre, Town Centres, and along Frequent Transit Corridors and in approved Secondary Plan areas, at densities sufficient to encourage commercial development and transit service expansion.
 - Centres, Corridors and Neighbourhoods:

- *Distinctive Town Centres*: Plan Surrey's Town Centres to accommodate a wide range of households.
- Transit Corridors: Encourage development that supports increased transit, pedestrian, and cycle use along existing or planned Frequent Transit Corridors.
- *Healthy Neighbourhoods*: Plan and design urban neighbourhoods with sufficient densities to support a high-quality transit system that is accessible to most residents.
- *Urban Design*: Ensure new development responds to the existing architectural character and scale of its surroundings, creating compatibility between adjacent sites and within neighbourhoods.

Secondary Plans

Land Use Designation

- The subject site is designated Low-Rise Residential in the Semiahmoo Town Centre Plan, which permits a base density of 2.0 Floor Area Ratio (FAR). The applicant proposes a density of 2.0 FAR, which complies with the Low-Rise Residential designation and also complies with the 6-storey TCP building height strategy.
- The subject site is within a lot consolidation area, as outlined in the Semiahmoo TCP. The adjacent lands to the west are within a separate consolidation area. The proposed development is consistent with the lot consolidation requirements of the Semiahmoo TCP.

Themes/Objectives

- The proposed development is consistent with several Semiahmoo TCP goals, policies, and design guidelines, including:
 - *Sensitive Interfaces*: The proposal provides a step back in massing at the sixth storey.
 - Building Height: While the building height marginally exceeds the 20 metres noted in the TCP, the building is six-storeys in keeping with the Low-Rise Residential designation for the site.
 - *Family-Oriented Housing*: The applicant proposes approximately 42% of units as 2 or more bedrooms, including 10% as three or more bedrooms, exceeding the Family-Oriented Housing policy.
 - *Adaptable Housing Policy*: The applicant proposes 100% adaptable units to meet the British Columbia Building Code (BCBC) standards and meet the Adaptable Housing policy in the Semiahmoo TCP.

CD By-law

• The applicant proposes to rezone the subject site from "Single Family Residential Zone (RF)" to "Comprehensive Development Zone (CD)" (based on "Multiple Residential 70 Zone (RM-70)").

- The applicant is proposing a "Comprehensive Development Zone (CD)" to accommodate a proposed six-storey residential building on the subject site. The proposed CD By-law for the proposed development site identifies the uses, densities and setbacks proposed. The CD By-law will have provisions based on the "Multiple Residential 70 Zone (RM-70)".
- A comparison of the density, lot coverage, setbacks, building height and permitted uses in the RM-70 Zone and the proposed CD By-law is illustrated in the following table:

RM-70 Zone (Part 24)	Permitted and/or Required	Proposed CD Zone
Unit Density:	n/a	n/a
Floor Area Ratio:	1.5	2.0
Lot Coverage:	33%	48%
Yards and Setbacks		
North:	7.5 m	4.5 m
East:	7.5 m	4.5 m
South:	7.5 m	4.5 m
West:	7.5 m	4.5 m
Height of Buildings		
Principal buildings:	50 m	21.7 M
Accessory buildings:	4.5 m	4.5 m
Amenity Space		
Indoor Amenity:	198 square metres	The proposed 244 m ² meets the Zoning By-law requirement.
Outdoor Amenity:	198 square metres	The proposed 198 m ² meets the Zoning By-law requirement.
Parking (Part 5)	Required	Proposed
Number of Stalls		
Residential:	91	91
Residential Visitor:	13	13
Total:	104	104
Accessible (%):	2 (2%)	4 (3%)
Bicycle Spaces		
Residential Secure Parking:	79	82
Residential Visitor:	6	8

- The CD Zone proposes a higher floor area ratio (FAR) at 2.0 relative to the 1.5 FAR permitted under the RM-70 Zone. The proposed 2.0 FAR is consistent with the site's Low-Rise Residential designation in the Semiahmoo TCP.
- The RM-70 Zone has a maximum lot coverage of 33% which is appropriate for taller built forms with smaller building footprints. The proposed 48% lot coverage for the site is appropriate for the proposed six-storey building.

- The reduced setbacks in the CD Zone on 16A Avenue and 155 Street are in keeping with the Semiahmoo TCP where an active frontage is sought. The north and west yard setbacks are similarly reduced to 4.5 metres, but the reduced setbacks are not anticipated to have a negative impact on the future adjacent development.
- The CD Zone proposes a lower building height at 21.7 metres relative to the building height of 50.0 metres permitted by the RM-70 Zone. The proposed building height reflects the applicant's proposal for a six-storey building. While it is marginally taller than the 20 metres identified in the Semiahmoo TCP, it remains consistent with the maximum six-storeys permitted within the TC Plan's building heights strategy.

Capital Projects Community Amenity Contributions (CACs)

- On December 16, 2019, Council approved the City's Community Amenity Contribution and Density Bonus Program Update (Corporate Report No. R224; 2019). The intent of that report was to introduce a new City-wide Community Amenity Contribution (CAC) and updated Density Bonus Policy to offset the impacts of growth from development and to provide additional funding for community capital projects identified in the City's Annual Five-Year Capital Financial Plan. A fee update has been approved in April 2023, under Corporate Report No.R037;2023.
- The proposed development will be subject to the Tier 1 Capital Plan Project CACs. The contribution will be payable at the rate applicable at the time of Building Permit Approval. The current rate is \$2,136 per unit.

Affordable Housing Strategy

- On April 9, 2018, Council approved the City's Affordable Housing Strategy (Corporate Report No. Ro66; 2018) requiring that all new rezoning applications for residential development contribute \$1,000 per new unit (now \$1,068) to support the development of new affordable housing. The funds collected through the Affordable Housing Contribution will be used to purchase land for new affordable rental housing projects.
- The applicant will be required to register a Section 219 Restrictive Covenant to address the City's needs with respect to the City's Affordable Housing Strategy.

Public Art Policy

• The applicant will be required to provide public art or register a Restrictive Covenant agreeing to provide cash-in-lieu, at a rate of 0.5% of construction value, to adequately address the City's needs with respect to public art, in accordance with the City's Public Art Policy requirements. The applicant will be required to resolve this requirement prior to consideration of Final Adoption.

PUBLIC ENGAGEMENT

• Pre-notification letters were sent on May 23, 2023 and the Development Proposal Signs were installed on July 28, 2023. Staff received seven responses from neighbouring residents, whose concerns are outlined below (*staff comments in italics*):

• Several residents expressed concerns and/or opposition with the proposed building height.

(The proposed six-storey residential building is a departure from the current character of this part of Semiahmoo Town Centre, however, the proposal is consistent with the Low Rise Residential designation in the TC Plan and its building height strategy. The building is stepped back by 5.0 metres at the sixth storey along the east and 4.9 metres on the south elevation to reduce the overall appearance of massing along the public realm.)

 Several neighbouring residents (both east and west of the subject site) expressed concerns that the proposed development would compromise the development potential of adjacent properties.

(The three properties that make up the subject site are identified within a single consolidation area in the Semiahmoo TCP. The three properties west of the subject site are included in a separate lot consolidation area, while the lands east of the proposed 155 Street are within their own consolidation area. Despite the lands to the west being within a separate consolidation area, the applicant demonstrated how the adjacent lands can develop in similar fashion and therefore, the proposed development is not anticipated to negatively impact the development potential of any adjacent lands.)

• The proposed building represents a departure to the existing neighbourhood character.

(The proposed development presents a departure from the existing low-density development in this area of Semiahmoo Town Centre. To mitigate the building scale, integrate the building into the existing architectural context of the neighbourhood and present a more human scale, the building mass is broken down into three parts: a three-level base portion, a two-level middle portion, and the recessed top floor. Each of the three individual parts of the building are proposed with different materials to enhance the design, emphasize balanced horizontal proportions, and create vertical hierarchy. Through future densification and shift to higher built forms in this area of Semiahmoo Town Centre, the proposed building will fit well with the evolving and future character of the neighbourhood.)

• Several residents inquired about whether the proposed development would impact existing senior care facilities in the neighbourhood.

(Staff provided these residents with details about the proposed development which addressed potential concerns as it relates to existing care facilities in the neighbourhood.)

DEVELOPMENT PERMITS

Form and Character Development Permit Requirement

- The proposed development is subject to a Development Permit for Form and Character and is also subject to the urban design guidelines in the Semiahmoo Town Centre Plan (TCP).
- The proposed development generally complies with the Form and Character Development Permit guidelines in the OCP and the design guidelines in the Semiahmoo Town Centre Plan (TCP).
- The applicant has worked with staff to:
 - Provide a sensitive interface along the street by stepping back the upper storey;
 - Provide a building that is aligned with the Semiahmoo TCP design guidelines, including extending the west coast modern character expression across all facades;
 - To meet the Semiahmoo TCP policy for adaptable units and family-oriented units.

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- The design of the building is contemporary, using a modulated series of rectilinear volumes arranged in an orderly rhythm of projections and recesses for a dynamic architecture. The building is further articulated with a palette of materials and colours, which provides for visual interest on the facades. To break down the building scale and create a sensitive architectural expression, the building massing is broken into three parts: a three-level base portion that is expressed with a brick veneer; a two-level middle portion, and a recessed top floor, which has the effect of reducing the massing along 16A Avenue and 155 Street.
- The site plan proposes a 4.5 to 5.0-metre-wide setback along all frontages, with a pathway along the perimeter of the site for the west and north property lines.
- The applicant proposes all residential units to be adaptable meeting the adaptable housing policy in the TCP. Similarly, the applicant proposes 21 two-bedroom units and 7 three-bedroom units, resulting in 42% of the 66 total units being family-oriented (minimum 30% in the Semiahmoo TCP).
- The proposed residential entrance is on the south elevation, where there is a large lobby area, and also a mail pick-up area. The design incorporates CPTED principles including landscape design that allows clear and unobstructed views, visible and well-lit walkways and entries, and glazed doors and windows.
- The applicant is proposing to provide two levels of underground parking, which will provide all of the required parking for the development. The underground parkade is accessed via the northeast corner of the site along 155 Street. The underground parkade includes 82 secured bicycle parking spaces (17 of which are capable of electric charging) and a storage locker for each unit.
- High quality materials and careful detailing are used to achieve a high-quality building treatment. The proposed exterior materials include brick (grey), fibre-cement panels (white and grey), black window frame treatments, grey-tinted transparent balcony glazing, wood tone accents and a stone masonry lobby entranceway. The roofing material is high albedo to reduce its heat island effect.
- The proposed residential units range in size from 40 square metres for a studio, to 92 square metres for a 3 bedroom unit.

Landscaping

- The landscape plan proposes a total of 30 trees to be planted on the site and a significant number of shrubs and ground cover species.
- The applicant is proposing a perimeter walkway along the western boundary connected to 16A Avenue, that provides access to the rear yard outdoor amenity area and a single ground floor unit. A 3-metre-wide landscape buffer is proposed along a portion of the northern boundary buffering the proposed building from the existing single detached homes to the north (designated for Townhouse Residential in the Semiahmoo TCP).

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Indoor Amenity

- The total required indoor amenity space is 198 square metres (3 square metres/unit) while the applicant is providing a total of 244 square metres.
- The indoor amenity space is located on the north side of the building on the ground floor away from the public frontages and is situated adjacent to the outdoor amenity area. The indoor amenity space is divided into several areas and includes a large lounge area with kitchenette, a fitness studio, and sauna area.

Outdoor Amenity

- The total required outdoor amenity space is 198 square metres (3 square metres/unit) while the applicant is providing 198 square metres thereby meeting the requirements of the Zoning Bylaw).
- The outdoor amenity space is located on the north side of the building away from the public realm and is situated adjacent to the indoor amenity area to create a seamless connection between the two amenity spaces. The outdoor amenity area includes a children's play area, an outdoor lounge and barbeque area, and a games area. The outdoor amenity area is complimented with a variety of benches, trees and shrubs.

Outstanding Items

- There are a limited number of Urban Design items that remain outstanding, and which do not affect the overall character or quality of the project. These generally include:
 - Resolving the public realm design at the southeast corner (155 Street/16A Avenue intersection); and
 - Resolution of urban design issues resulting from detailed coordination with architectural, landscape, and civil designs.
- The applicant has been provided a detailed list identifying these requirements and has agreed to resolve these prior to Final Approval of the Development Permit, should the application be supported by Council.

TREES

• Nick McMahon, ISA Certified Arborist of ACL Group Enterprises Ltd., prepared an Arborist Assessment for the subject property. The table below provides a summary of the proposed tree retention and removal by tree species:

Table 1: Summary of Proposed Tree Preservation by Tree Species:								
Tree Species	Ext	isting	Remove	Retain				
Deciduous Trees								
(excluding Alder and Cottonwood Trees)								
Common Plum		1	1	0				
English Holly		1	1	0				
European Beech		1	1	0				
Saucer Magnolia		1	1	0				
Flowering Cherry		2	2	0				
Coniferous Trees								
Blue Spruce		1	1	0				
Douglas Fir		1	1	0				
Eastern White Cedar		1	1	0				
Hinoki Cypress		1	1	0				
Lawson Cypress		4	4	0				
Total (excluding Alder and Cottonwood Trees)		14	14	o				
Total Replacement Trees Proposed (excluding Boulevard Street Trees)30								
Total Retained and Replacement T Proposed	rees	30						
Estimated Contribution to the Gree Program	en City	NA						

Table 1: Summary of Proposed Tree Preservation by Tree Species:

- The Arborist Assessment states that there are a total of fourteen mature trees on the site and no Alder and Cottonwood trees. The applicant is not proposing to retain any trees as part of this development proposal. The proposed tree removal includes two City trees at the corner of 16A Avenue and the future 155 Street. The applicant has refined the site design to accommodate the retention of two off-site trees near the northwest corner of the site. The proposed tree retention was assessed taking into consideration the location of services, building footprints, parkade, road dedication and proposed lot grading. Due to the required road dedication and construction, the two City trees cannot be retained. Parks staff have accepted the proposed removal and will require compensation at a 2:1 ratio for the City trees.
- For those trees that cannot be retained, the applicant will be required to plant trees on a 2 to 1 replacement ratio for all trees. This will require a proposed total of 28 replacement trees on the site. The applicant proposes to plant 30 replacement trees, exceeding City requirements.
- The new trees on the site will consist of a variety of trees including Pacific Dogwood, Royal Star Magnolia, and Japanese Maple.

• In summary, a total of 30 trees are proposed to be replaced on the site and no contribution to the Green City Program is required.

INFORMATION ATTACHED TO THIS REPORT

The following information is attached to this Report:

Appendix I.	Site Plan, Building Elevations, Landscape Plans and Perspective
Appendix II.	Engineering Summary
Appendix III.	School District Comments
Appendix IV.	Summary of Tree Survey, Tree Preservation and Tree Plans
Appendix V.	ADP Comments and Response

approved by Shawn Low

Don Luymes General Manager Planning and Development

KS/ar

APPENDIX I

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NOTES:

PROPOSED MULTI - FAMILY DEVELOPMENT

15473, 15485 & 15495 - 16A AVENUE, SURREY, BRITISH COLUMBIA



PROJECT INFO

LEGAL DESCRIPTION:

LOT 5 BLOCK 6 & 13 SECTION 14 TOWNSHIP 1 PLAN NWP19804 NWDSUBURBAN BLOCK 2, PART SW 144, LOT 6 SECTION 14 TOWNSHIP 1 PLAN NWP19804 NWD PART SW 144, LOT 3 SECTION 14 TOWNSHIP 1 PLAN NWP18890 NWD PART SW 144.

CIVIC ADDRESS:

15473, 15485 & 15495 - 16 A AVENUE, SURREY, BRITISH COLUMBIA

ZONING INFORMATION:

ZONE: EXISTING: RF PROPOSED: CD BASED ON RM-70

LOT AREA:

GROSS SITE AREA DEDICATIONS NET SITE AREA - 0.63 AC. / 2558.3 SQM - 0.12 AC. / 466.7 SQM - 0.51 AC. / 2091 5 SQM

PROJECT DIRECTORY CLIENT:

MANORLANE PROPERTIES (PEACE ARCH) INC. #201 - 204 CAYER STREET COQUITLAW, B.C. V3K 581 CONTACT: MILAN MANN T: 604-521-4300 Info&Dimprogelentes.com

ARCHITECTURAL:

350 - 10851 SHELLBRIDGE WAY RICHMOND, BC V8X 2W9

DHALIWAL & ASSOCIATES LAND

SURVEYING INC. #216 - 12699 76TH AVENUE SURREY, B.C. V3W 1E6 T 604-501-6188 info@dhaliwslsurvey.com

DF ARCHITECTURE INC.

CONTACT: JESSIE ARORA T 604-284-5194

essle@dfarchitecture.cs

SURVEY:

CIVIL: COASTLAND ENGINEERING & SURVEYING LTD. #101 - 19292 - 50 AVENUE SURREY, B.C. V35 3M2

#101 - 19292 - 60 AVENUE SURREY, B.C. V3S 3M2 CONTACT: MIKE HELLE T: 604-632-9700 hell@ccestiand.bc.cs

LANDSCAPE:

VD2+A #102 - 355 KINGSWAY VANCOLIVER, BC V5T 3J7 CONTACT: MICOLE WO T 604-882-0024 mark@vdz.ca

ARBORIST:

ARBORTECH (ACL GROUP) A125 - 6286 203 ST LANGLEY, B.C. V2Y 3S1 CONTACT: NICK MCMAHON T 604-275-3484 x104 nick@adgroup.cs

ARCHITECTURAL

MATION

SITE &

RELATED

BUILDING FLANS & UNIT PLANS

ELEVATIONS SECTIONS & DETAILS

CATEGORY SHEET NO.

COVER PAGE A-001 A-002 DEVELOPMENT DATA SITE ANALYSIS (CONTEXT PHOTOS) A-003 A-004 SITE ANALYSIS (SEMIAHMOO TOWN CENTRE PLAN) SITE ANALYSIS (TRANSIT AND RECREATION) A-005 A-006 SITE ANALYSIS (CONTEXT AERIAL VIEW) A-007 SITE ANALYSIS (SCALE COMPATIBILITY) A-008 SITE ANALYSIS (PEDESTRIAN & VEHICULAR) A-009 SITE ANALYSIS (ARCHITECTURAL PRECENDENCE) A-010 SURVEY A-011 BASE PLAN A-012 SHADOW ANALYSIS CONCEPT PLAN (NEIGHBORING LOT) A-013 A-100 SITE PLAN A-101 FIRE SAFETY PLAN PARKADE 1 A-200 PARKADE 2 A-201 A-202 FLOOR PLAN (LEVEL-1) A-209 FLOOR PLAN (LEVEL-2) A-204 FLOOR PLAN (LEVEL- 3, 4 & 5) A-205 FLOOR PLAN (LEVEL-6) A-206 ROOF PLAN A-220 UNIT PLANS A-221 UNIT PLANS UNIT PLANS A-222 A-223 UNIT PLANS ELEVATIONS A-301 A-302 **ELEVATIONS** A-310 STREETSCAPE (16A AVE) A-401 LONGITUDINAL SECTION A-402 CROSS SECTION DETAILS A-410

SHEET NAME





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PROPOSED MULTI-FAMILY DEVELOPMENT

16473,16466 & 16485 16A Avenue

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NANORLANE PROPERTIES (PEACE ARCH) INC.



COVER PAGE

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A-001	J

	P	ROJECT DATA				
CIVIC ADDRESS ;	15473, 15485 & 15	495 - 16 A AVENUE, SURREY	, BC			
LEGAL DESCRIPTION :	BLOCK 2, PART SW 14 TOWNSHIP 1 PL	5 BLOCK 6&13 SECTION 14 TOWNSHIP 1 PLAN NWP19604 NWD SUBURBAN IX 2, PART SW 1/4. LOT 6 SECTION DWNSHIP 1 PLAN NWP19604 NWD PART SW 1/4. 3 SECTION 14 TOWNSHIP 1 PLAN NWP18890 NWD PART SW 1/4.				
LOT INFO						
GROSS LOT AREA		27537.2 SQFT	2558.3 SQM			
ROAD DEDICATION		5024.0 SQFT	466.7 SQM			
NET AREA		22513.2 SQFT	2091.5 SQM			
		0.52 ac	0.21 ha			
ZONING						
EXISTING		1	RF			
PROPOSED		CD BASED ON RM-70				
NCP						
OCP		URBAN	MULTIPLE RESI.			
SETBACKS						
		ALLOWED	PROPOSED			
NORTH		4.50 m	4.56 m			
SOUTH		4.50 m	4.74 m			
EAST		4.50 m	4.80 m			
WEST		4.50 m	4.64 m			
HEIGHT		ALLOWED	PROPOSED (AVG. GRADE)			
		50.0 m	21.71 m			
DENSITY		ALLOWED	PROPOSED			
FAR		2.0	2.0			
SITE COVERAGE		ALLOWED	PROPOSED			
		33%	10811.2 SOFT 48%			

UNIT TYPE	NO. OF UNITS	CARS PER DWELLING	NO. OF CARS	REQUIRE
1-BEDROOM / BACHELOR	38	1.3	49.4	49
2-BEDROOM / 3 BEDROOM	28	1.5	42	42
VISITORS CAR PARK	66	0.2	13.2	13
TOTAL NO. OF PARKING REQUIRED				104
NO. OF PARKING PROVIDED AT PARKADE LEVEL 1 & 2	13(VISITORS) + 36(P1) + 55(P2)		104	
NO. OF SMALL CAR SPACES		15		14%
BICYCLE SPACES	NO. OF UNITS	BICYCLE PER DWELLING	NO. OF	BICYCLES
REQUIRED	66	1.2	1	79
PROVIDED (INCLUDING 17 E-BIKES)				82
VISITORS PROVIDED (E-BIKES)				8
TOTAL			2	90
		1		-

	AMENITY CALCULATION			
INDOOR A	MENITY	NO. OF UNITS	AREA PER UNIT (3 SQM.)	AREA
REQUIRED		66	32.29	2131.1 SQFT
PROVIDED				2630.1 SQFT
OUTDOOR	AMENITY	NO. OF UNITS	AREA PER UNIT	AREA
REQUIRED		66	32.29	2131.1 SQFT
PROVIDED				2129.5 SQFT

	FLOOR AREA	EVCL	USIONS		
LEVEL		DBL. HT.	INDOOR	NET	AREA
	GROSS AREA	SPACE	AMENITY		
LEVEL 1	9,794.32	-	2,665.08	7129.2 SQFT	662.3 SQM
LEVEL 2	10,331.88	496.00		9835.9 SQFT	913.8 SQM
LEVEL 3	10,257.20	-		10257.2 SQFT	952.9 SQM
LEVEL 4	10,257.20	-	-	10257.2 SQFT	952.9 SQM
LEVEL 5	10,257.20	-	-	10257.2 SQFT	952.9 SQM
LEVEL 6	7,410.24			7410.2 SQFT	688.4 SQM
TOTAL	58,308.04	496.00	2,665.08	55147.0 SQFT	5123.3 SQM
PROPOSED)				2.00

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ARCHITE	CT.	IRE
		Inc.

340 - 1041 UML AFC DB VEFT RCHOOL MATTER COLUMNA CARAGE VECTOR T RCAMESCER F (RCATE-FIST REGISTER FIST

PROPOSED MULTI-FAMILY DEVELOPMENT

NOTES:

15473,15465 & 15455 15A Avenue

CLANT:

NANORLANE PROPERTIES (PEACE ARCH) INC.



DEVELOPMENT DATA

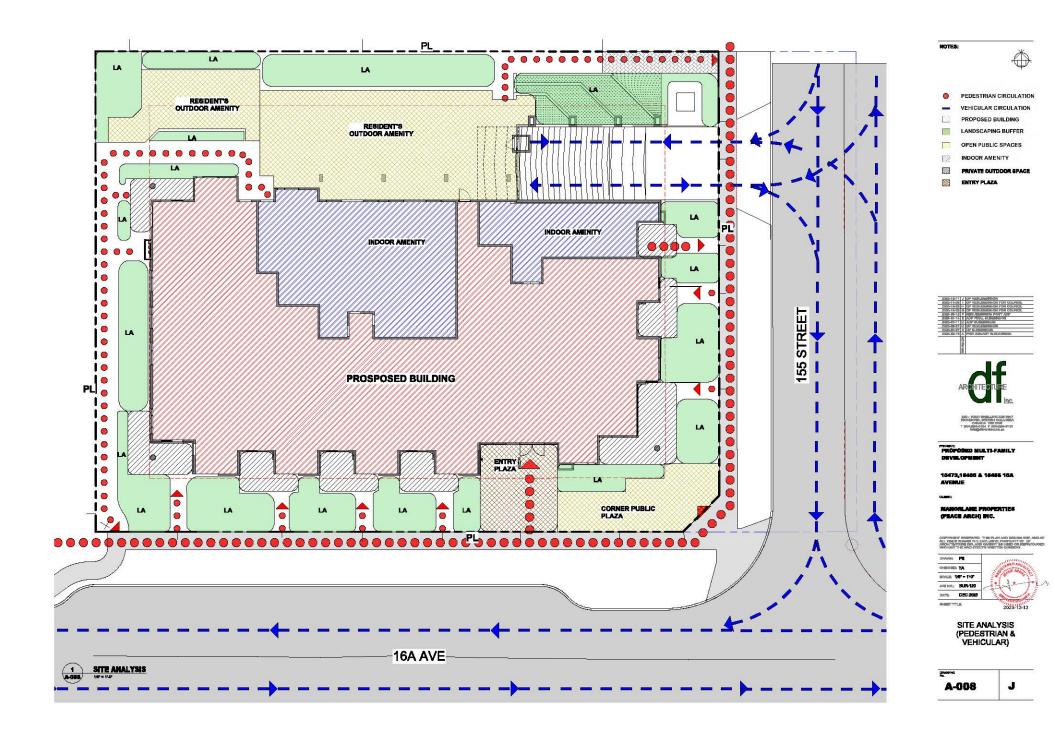
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A-002	J

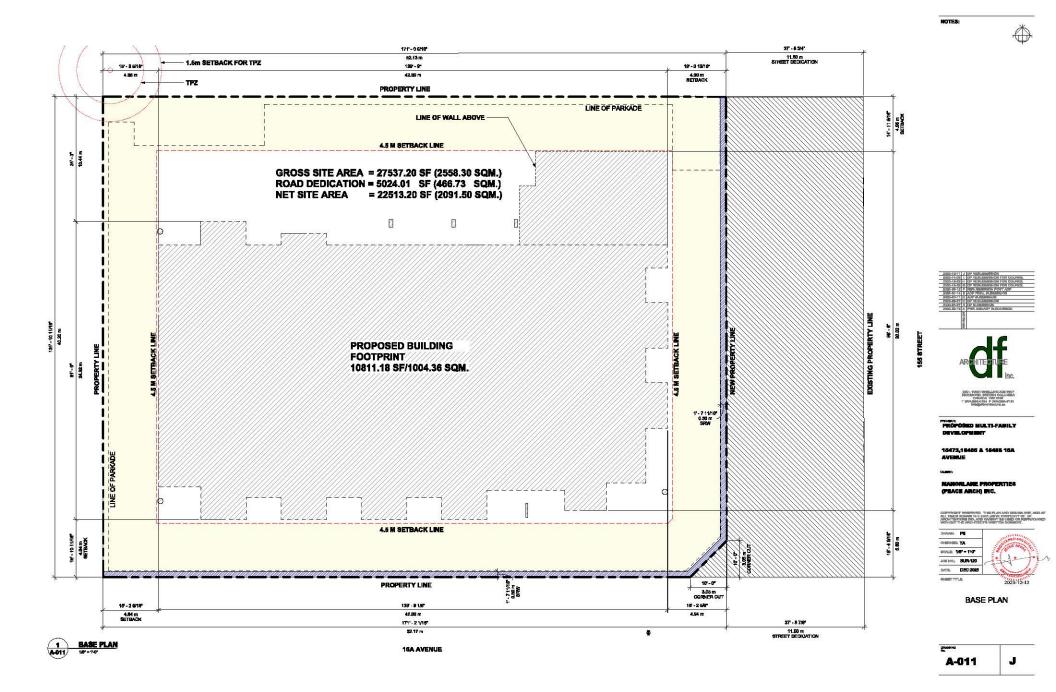
UNIT SCHEDULE

UNIT NAME	UNIT TYPE	AREA	FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH	TOTAL
TYPE A	1 BEDROOM + DEN	630.50 SQFT	3	4	4	4	4	2	21
TYPE A1	1BEDROOM + DEN	655.01 SQFT	÷	1	1	1	1		4
TYPE A2	2 BEDROOM + DEN	778.14 SQFT		1	1	1	1		4
TYPE A3	1 BEDROOM	583.51 SQFT	1	-	-	-		-	1
TYPE B	2 BEDROOM	795.35 SQFT	1	1	1	1	1	-	5
TYPE C	3 BEDROOM	977.95 SQFT	1	2	-	1	-	-	1
TYPE C1	3 BEDROOM	987.26 SQFT	-	1	1	1	1	1	5
TYPE D	BACHELOR	427.92 SQFT		-	1	1	1		3
TYPE E	2 BEDROOM	761.62 SQFT	1	-		1.7.1	(*)		1
TYPE E1	2 BEDROOM	763.12 SQFT	¥	1	1	1	1		4
TYPE F	1 BEDROOM	662.38 SQFT		1	1	1	1	1	5
TYPE G	2 BEDROOM	798.27 SQFT		1	1	1	1		4
TYPE H	1 BEDROOM	608.90 SQFT		1	1	1	1	-	4
TYPE J	3 BEDROOM	970.02 SQFT		-	<u> </u>		140	1	1
TYPE K	2 BEDROOM	847.50 SQFT		-	-	7=3	840	1	1
TYPE L	2 BEDROOM	671.00 SQFT	-	-	-		1975	1	1
TYPE M	2 BEDROOM	849.94 SQFT		-	-	-		1	1
OTAL UNITS ON	EACH FLOOR	M	7	12	13	13	13	8	66
		100 % UNITS IN T	HIS DEVEL	OPMENT ARE	ADAPTABL	.E			

	UNIT COUNT							
UNIT TYPE	FIRST	SECOND	THIRD	FOURTH	FIFTH	SIXTH	TOTAL	PERCENTAGE
STUDIO	0	0	1	1	1	0	3	4.5%
1 BEDROOM/ +DEN	4	7	7	7	7	3	35	53.0%
2 BEDROOM / + DEN	2	4	4	4	4	3	21	31.8%
3 BEDROOM	1	1	1	1	1	2	7	10.6%
TOTAL ON EACH FLOOR	7	12	13	13	13	8	τοτα	L 66 UNITS









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And Designed

FUTURE 155 STREET

1 SHADOW ANALYSIS AUTUMN EQ 10 AM

16A Ave

SHADOW ANALYSIS SPRING EQ 10AM

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2 SHADOW ANALYSIS AUTUMN EQ 12 NOON Ad13 Y-405



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PROPOSED MULTI-FAMILY DEVELOPMENT

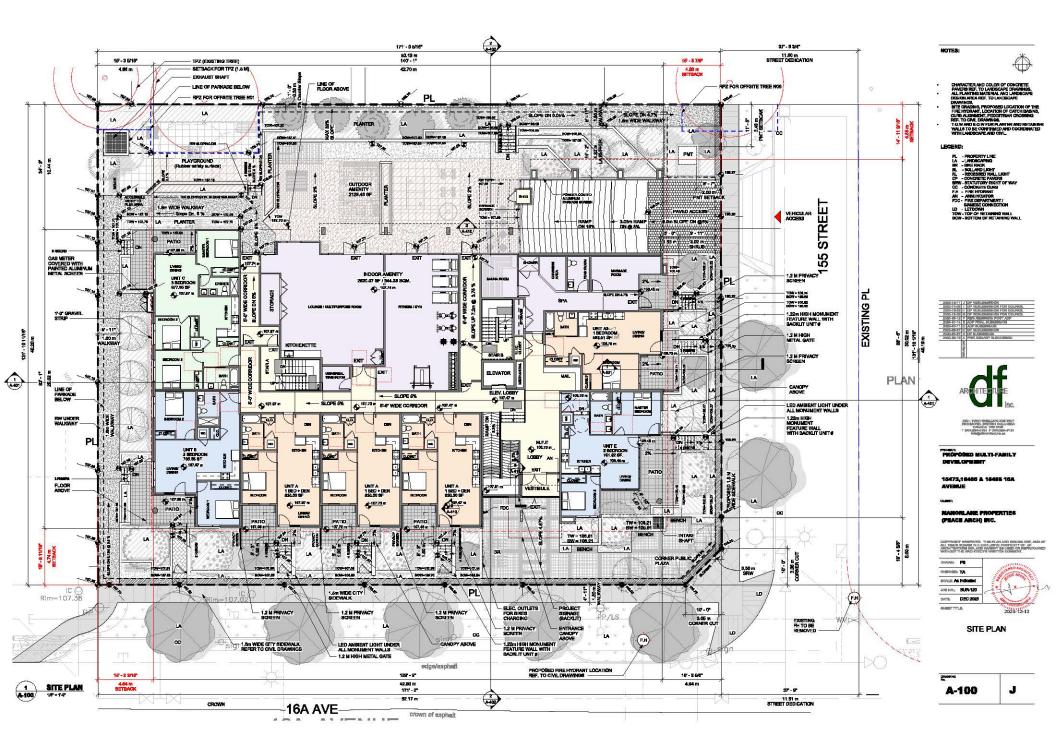
15473,16485 & 16485 16A Avenue

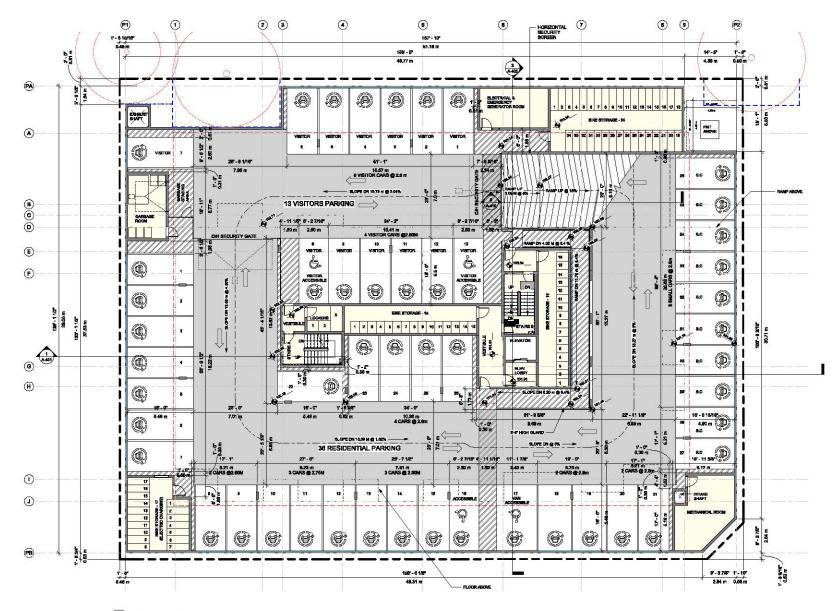
NANORLANE PROPERTIES (PEACE ARCH) INC.



SHADOW ANALYSIS

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PROPOSED MULTI-FAMILY DEVELOPMENT

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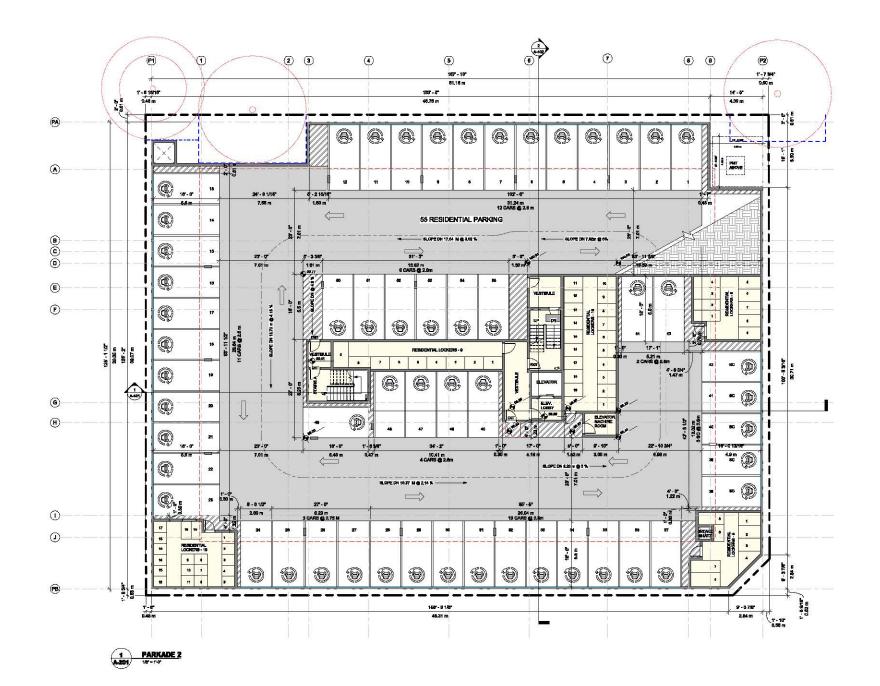
NANORLANE PROPERTIES (PEACE ARCH) INC.



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A-200 J

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PROPOSED MULTI-FAMILY DEVELOPMENT

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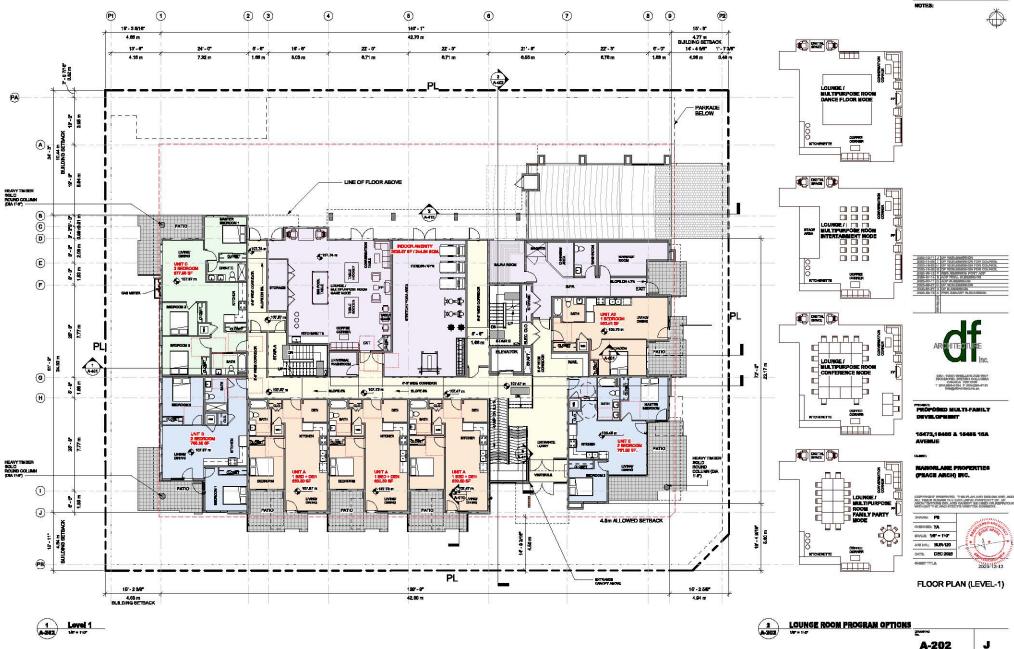
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MANORLANE PROPERTIES (PRACE ARCH) INC.



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A-201 J



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PROPOSED MULTI-FAMILY DEVELOPMENT

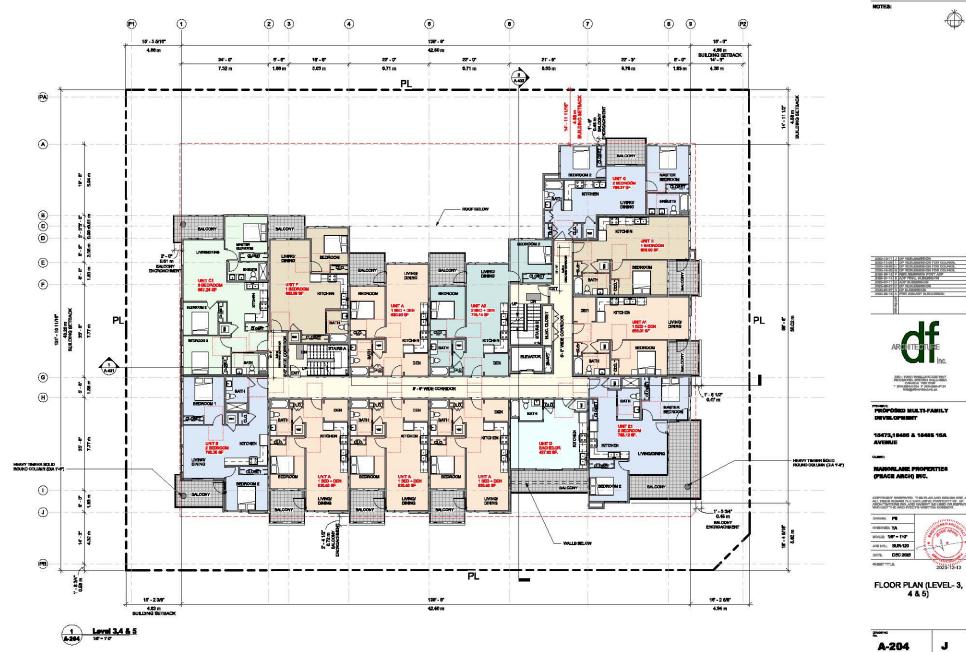
16473,16485 & 16485 16A Avenue

MANORLANE PROPERTIES (PEACE ARCH) INC.



FLOOR PLAN (LEVEL-2)

A-203 J

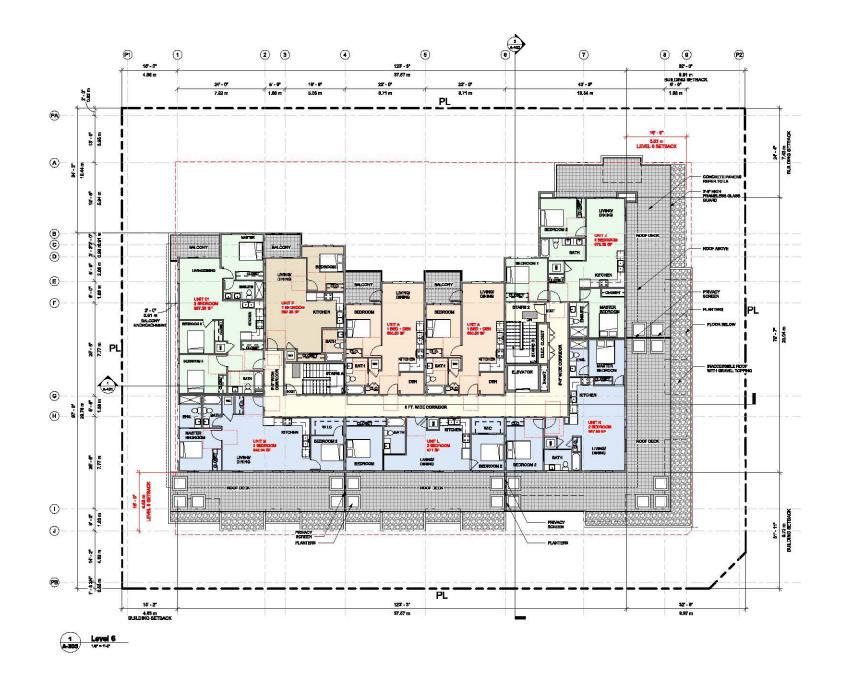


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PROPOSED MULTI-FAMILY DEVELOPMENT

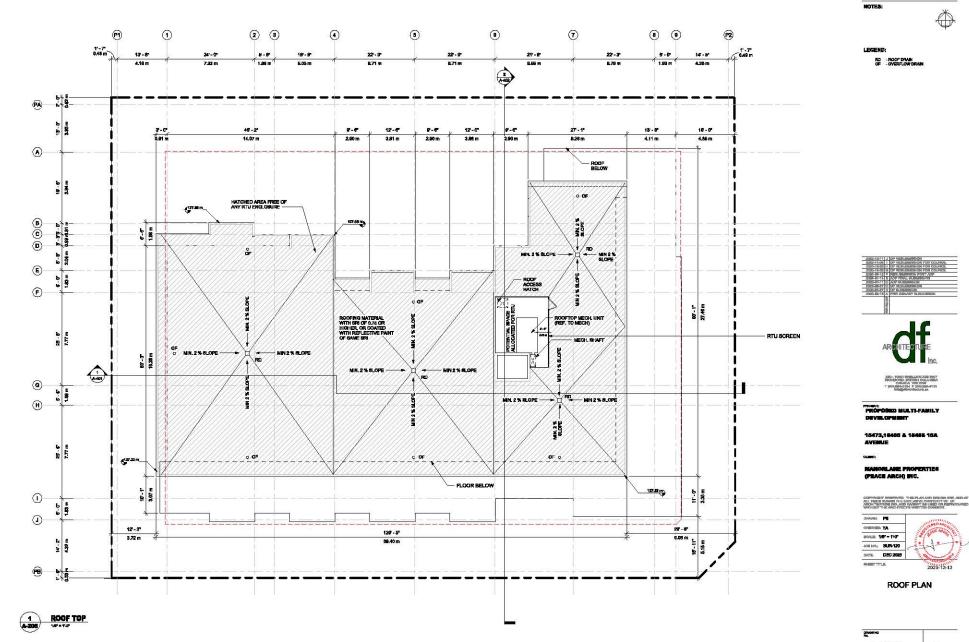
15473,15485 & 15485 16A Avenue

NANORLANE PROPERTIES (PEACE ARCH) INC.



FLOOR PLAN (LEVEL-6)

A-205 J



A-206 J

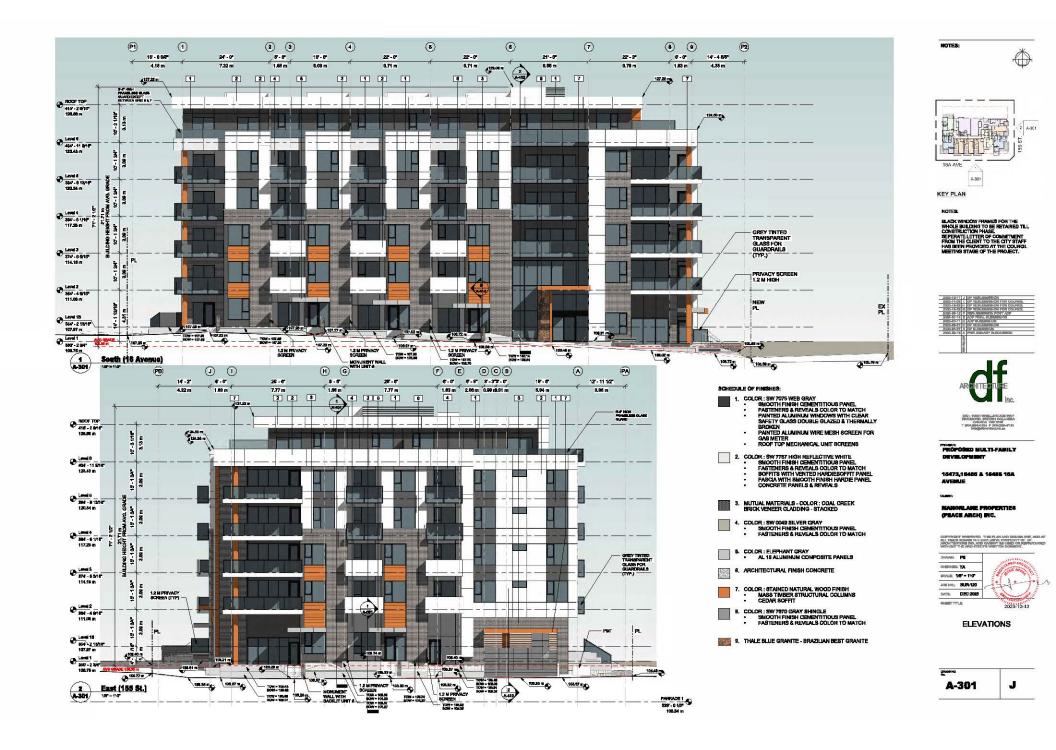
ROOF PLAN

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MCHACKED, MATTER COLUMNA CREATE VICTOR T BOARD-STAFF (ROSTER-BIT

PROPOSED MULTI-FAMILY DEVELOPMENT

15473,15465 & 15455 16A Avenue

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PROPOSED MULTI-FAMILY

15473,16485 & 16485 16A Avenue

NANORLANE PROPERTIES (PEACE ARCH) INC.

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STREETSCAPE (16A AVE)

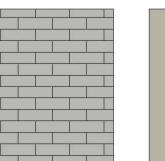
A-310 J



- 1. COLOR : 8W 7075 WEB GRAY
 SMOOTH FINISH HARDIE PANEL PAINTED
 WITH HARDIE REVEAL SYSTEM 2.0
 FASTENERS & REVEALS COLOR TO MATCH
 PAINTED ALUMINUM WINDOWS WITH SAFETY
 GLASS DOUBLE GLAZED & THERMALLY
 BROKEN
 PAINTED ALUMINUM WIRE MESH SCREEN
 FOR GAS METER
 ROOF TOP MECHANICAL UNIT SCREENS



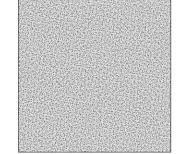
- 2. COLOR : SW 7757 HIGH REFLECTIVE WHITE SMOOTH FINISH HARDIE PANEL PAINTED WITH HARDIE REVEAL SYSTEM 2.0 FASTENERS & REVEALS COLOR TO MATCH SOFFITS WITH VENTED HARDIESOFFIT PANEL
 - FARCIA WITH SMOOTH FINISH HARDIE PANEL CONCRETE PANELS & REVEALS
 - :



3. MUTUAL MATERIALS - COLOR : COAL CREEK BRICK VENEER CLADDING - STACKED

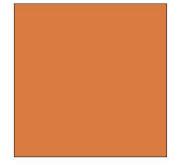


4. COLOR : 5W 0049 SILVER GRAY • SMOOTH FINISH HARDIE PANEL PAINTED WITH HARDIE REVEAL SYSTEM 2.0 • FASTENERS & REVEALS COLOR TO MATCH



5. ARCHITECTURAL FINISH CONCRETE





6. COLOR : STAINED NATURAL WOOD FINISH MASS TIMBER STRUCTURAL COLUMNS CEDAR SOFFIT



7. THALE BLUE GRANITE - BRAZILIAN BEST GRANITE



NOTES:

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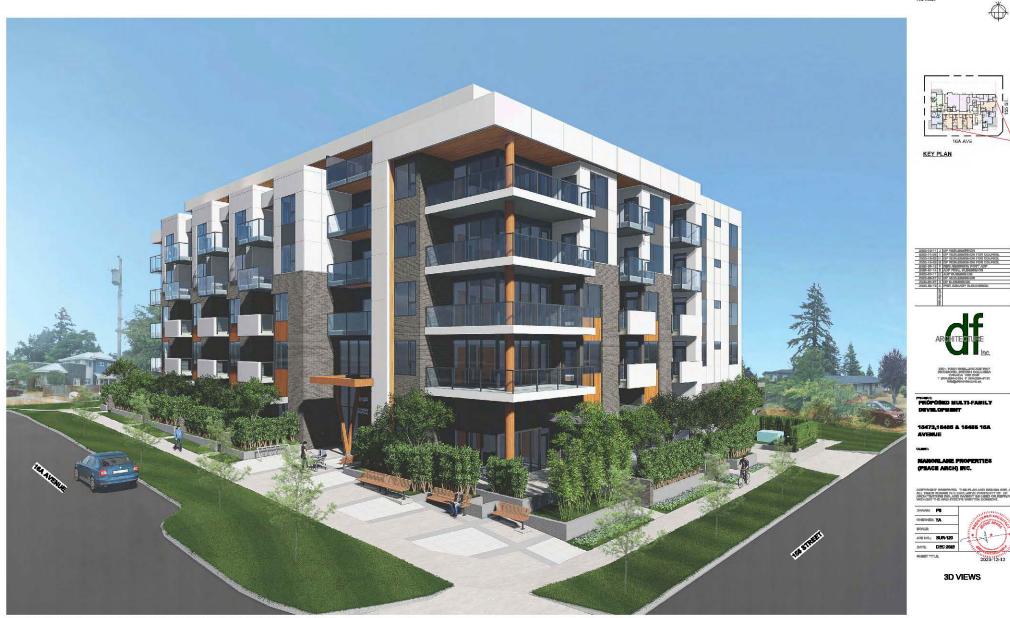
16473,16486 & 16485 16A AVENUE

MANORLANE PROPERTIES (PEACE ARCH) INC.



MATERIAL BOARD



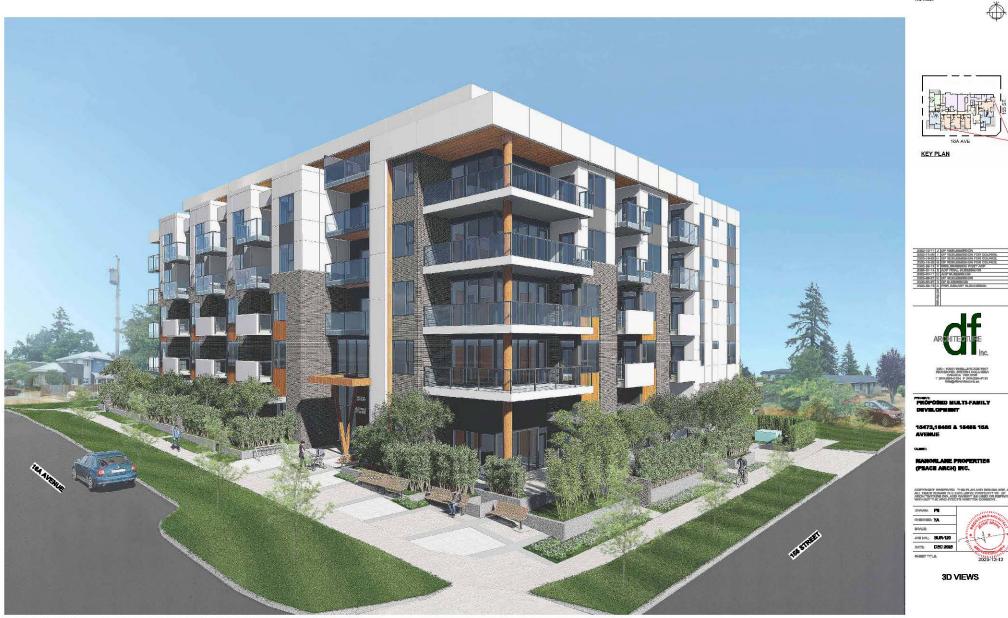


1. PERSPECTIVE VIEW FROM SOUTH EAST CORNER (INTERSECTION OF 165 STREET AND 16A AVENUE)

A-350 J

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1. PERSPECTIVE VIEW FROM SOUTH EAST CORNER (INTERSECTION OF 155 STREET AND 16A AVENUE)

A-350 J

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2. PERSPECTIVE VIEW FROM NORTH WEST CORNER



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ARCHITESTURE

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PROPOSED MULTI-FAMILY DEVELOPMENT

16473,16466 & 16485 16A Avenue

NAMORLANE PROPERTIES (PEACE ARCH) INC.



3D VIEWS

A-351 J



4. PERSPECTIVE VIEW FROM SOUTH WEST CORNER



5. PERSPECTIVE VEW FROM NORTH EAST CORNER (155 STREET)



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PROPOSED MULTI-FAMILY DEVELOPMENT

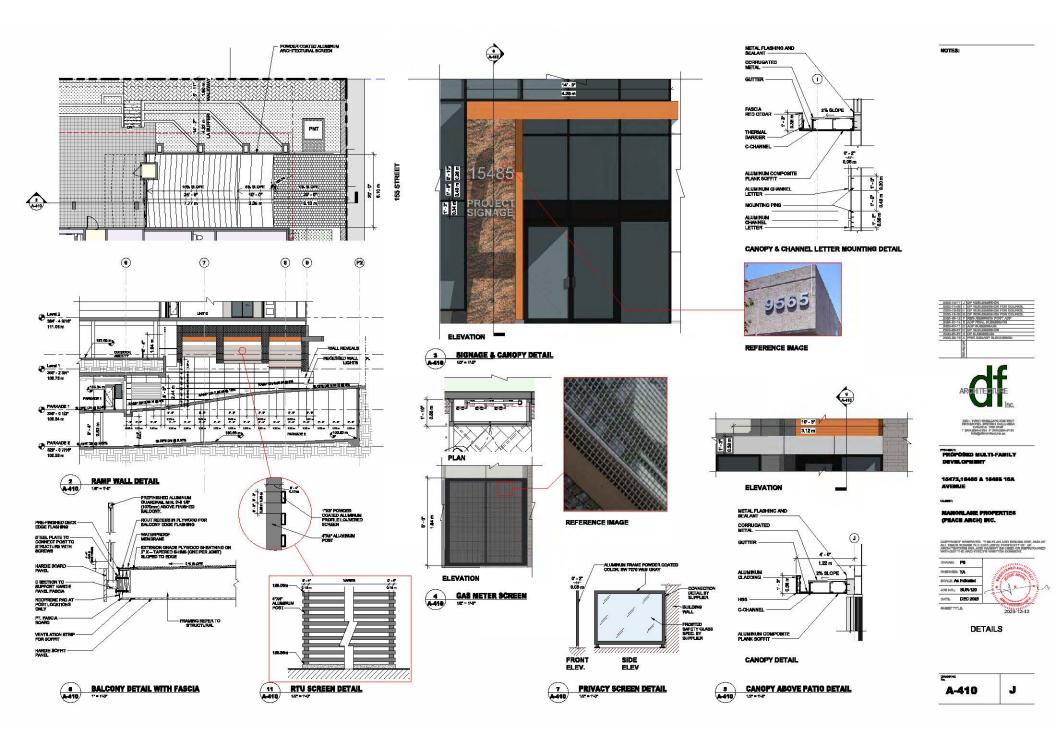
10473,16465 & 16485 16A

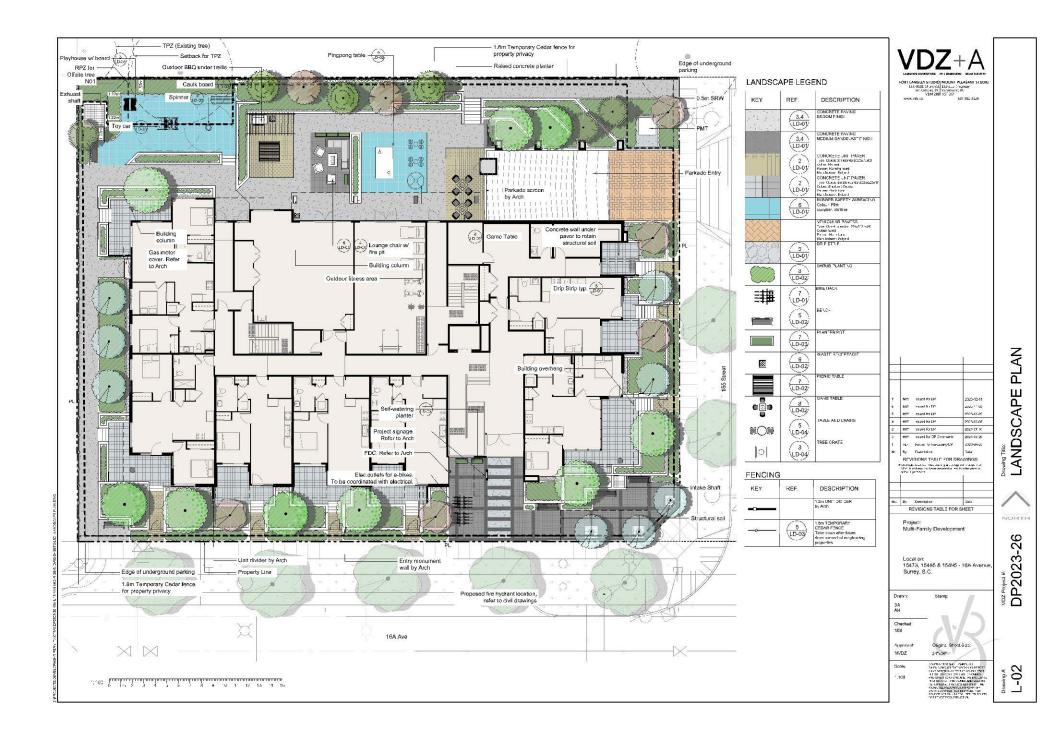


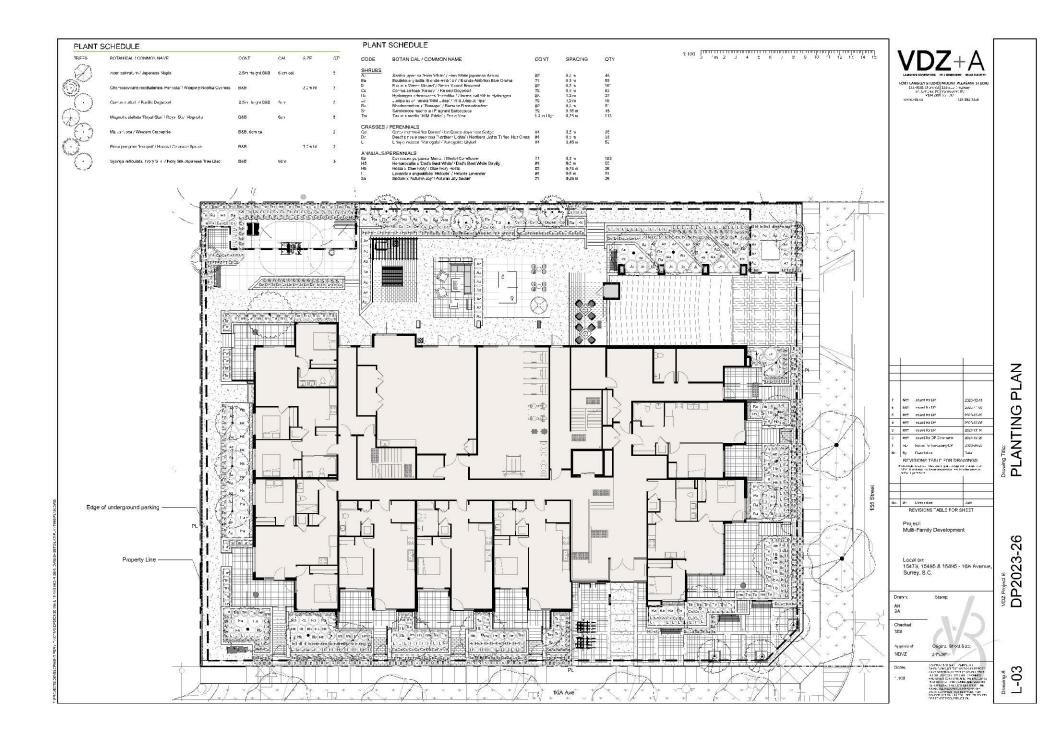


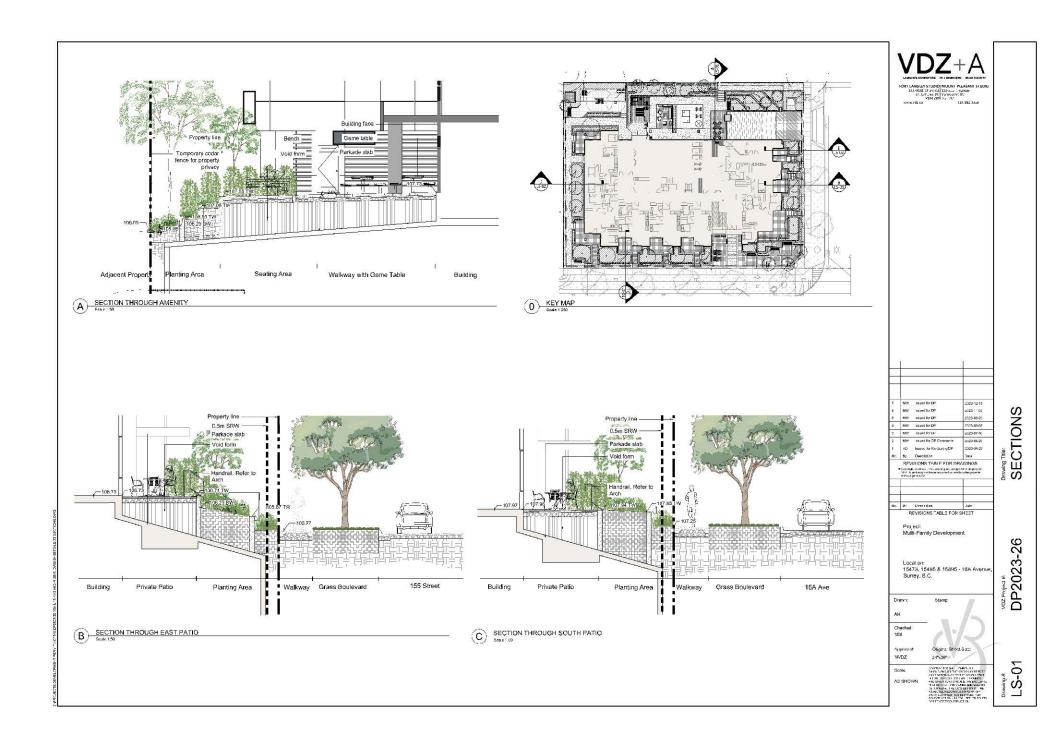
3D VIEWS

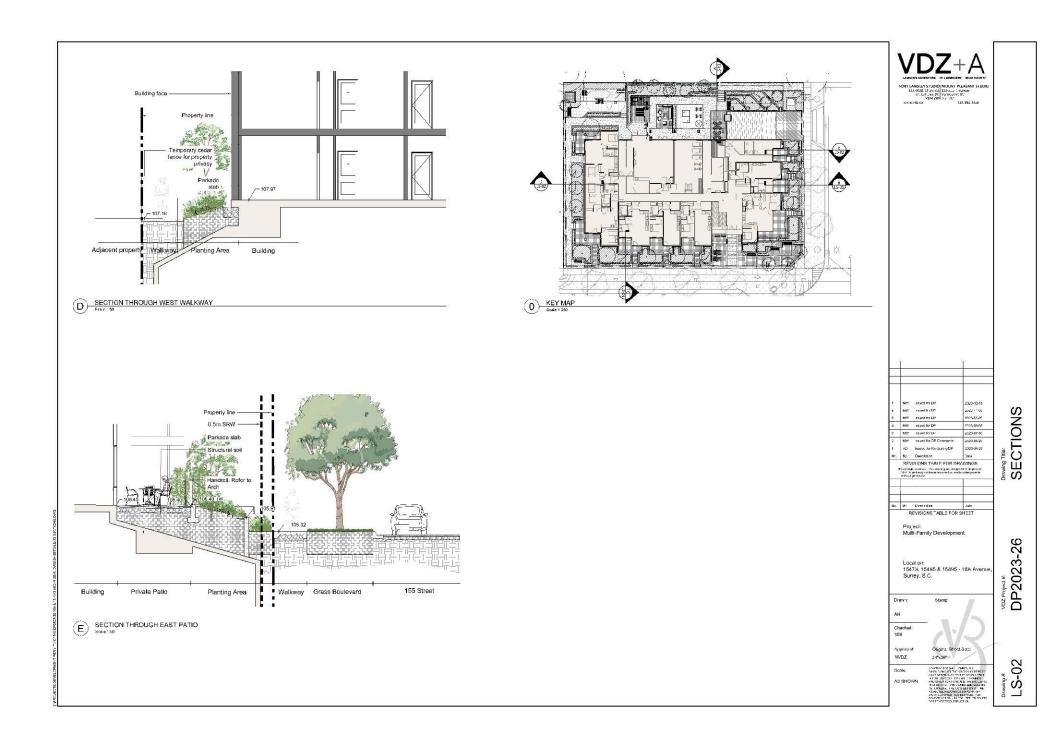
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A-352	J













TO:	Director, Area Planning & De - South Surrey Division Planning and Development D	-		
FROM:	Development Services Manag	er, Engineering Dep	artment	
DATE:	October 6, 2023	PROJECT FILE:	7823-0144-00	
RE:	Engineering Requirements Location: 15473 16A Avenue			

REZONE/SUBDIVISION

Property and Right-of-Way Requirements

- Dedicate 11.5 m for 155 Street, with 3 m x 3 m corner cut at 16A Avenue.
- Register 0.5 m SRW on 16A Avenue and 155 Street.

Works and Services

- Construct north side of 16A Avenue.
- Construct 155 Street to local half-road standard.
- Confirm available downstream storm system capacity to service the proposed development; upgrade the system as required.
- Provide on-lot mitigation, including runoff volume and flow rate control as per the NCP.
- Construct water mains on 155 Street and 16A Avenue.
- Upgrade the existing 200mm sewer on 16A Avenue to a minimum 250mm sewer main.
- Submit sanitary analysis to confirm downstream system capacity.
- Construct adequately-sized storm and sanitary service connections (minimum size 150mm), complete with inspection chamber to service the proposed development.
- Construct adequately-sized metered water service connection with backflow preventers to service the proposed lot.
- Pay Storm Latecomer Charges relative to project 5914-0177-00-1.

A Servicing Agreement is required prior to Rezone/Subdivision.

DEVELOPMENT PERMIT

There are no engineering requirements relative to issuance of the Development Permit except for the requirements listed above.

Jeffy lang

Jeff Pang, P.Eng. Development Services Manager



Department:	Planning and Demographics
Date:	May 23, 2023
Report For:	City of Surrey

Develop	ment li	npact Analysis on Schools For:
		23 0144 00

School-aged children population projection

Application #:

The proposed development of 66 Low Rise Apartment units are estimated to have the following impact on elementary and secondary schools within the school regions.

Summary of Impact and Commentary

The following tables illustrate the historical, current and future enrolment projections including current/approved ministry operating capacity for the elementary and secondary schools serving the proposed development.

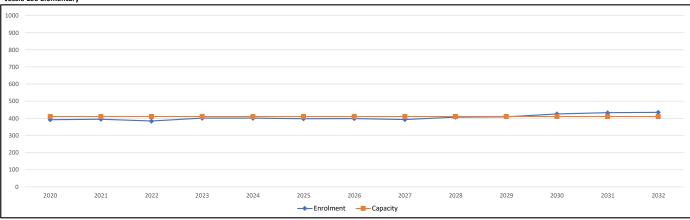
Actual enrollment to Jessie Lee Elementary has grown modestly the past five years. The 10-year projections support continuing growth at a similar modest pace. Enrolment growth can be handled with 4 portables or less. Currently there are no capital expansion requests for Jessie Lee Elementary.

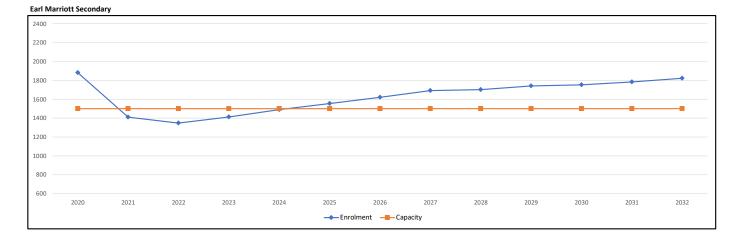
Grandview Heights Secondary opened September 2021. This new facility relieves the overcrowding at Earl Marriot Secondary. Newly adopted secondary boundary changes have come into effect. At this time, Jessie Lee will no longer feed two secondary schools but will only feed Earl Marriott.

Projected Number of Students From T	his Development In:	
Elementary School =	5	
Secondary School =	2	
Total Students =	7	
Current Enrolment and Capacities:		
Jessie Lee Elementary		
Enrolment	384	
Operating Capacity	411	
# of Portables	1	
Earl Marriott Secondary		
Enrolment	1348	
Operating Capacity	1500	
# of Portables	4	

8

Jessie	Lee	Elementary





Population : The projected population of children aged 0-17 impacted by the development. **Enrolment:** The number of students projected to attend the Surrey School District ONLY.



APPENDIX F: CITY OF SURREY SUMMARY FORM

Surrey Project No.:				
Project Address:	15473, 15485, 15495 16A Ave, Su	irrey		
Consulting Arborist:	Nick McMahon			
ON-SITE TREES:				QUANTITY OF TREES
	d Trees Identified rees, including trees within boulevar Park and ESA dedications)	rds and proposed stree	ets	14
Bylaw Protected Tree	es to be Removed			14
Bylaw Protected Tree (excludes trees in Pa	es to be Retained rk dedication areas and ESA's)			0
Replacement Trees	Required:			
Alder and Cotto	nwood at 1:1 ratio:	0 times 1 =	0	
All Other Bylaw	Protected Trees at 2:1 ratio:	14 times 2 =	28	
TOTAL:				28
Replacement Trees	Proposed			30
Replacement Trees i	n Deficit			0
Protected Trees Reta	ined in Proposed Open Space/ Ripa	arian Areas		0

OFF-SITE TREES:			QUANTITY OF TREES
Bylaw Protected Off-Site Trees to be Removed			0
Replacement Trees Required:			
Alder and Cottonwood at 1:1 ratio:	0 times 1 =	0	
All Other Bylaw Protected Trees at 2:1 ratio:	0 times 2 =	0	
TOTAL:		0	0
Replacement Trees Proposed			0
Replacement Trees in Deficit			0

N/A denotes information "Not Available" at this time.

This summary and the referenced documents are prepared and submitted by:

Nouries

Nick McMahon, Senior Consulting Arborist

Dated: December 12, 2023

Direct: 604 812-2986 Email: nick@aclgroup.ca



TREE RETENTION AND PROTECTION DETAIL - PROJECT DESIGN BASE PRESCRIPTION FOR EXISTING TREES RELATED TO THE PROPOSED DEVELOPMENT



The many protocol dependent is the second	Again de Din a hebre a deuxer, is hen for A deuxer a deuxer a la serie de face deux de une de termine de la serie de la deux de la d		EE PROTECTION STANDARD MEASURES:
The determinant of the second	The description of period base of the second	App	pendix D in the reference document), to keep the PA updated with city approvals and scheduling, as well as to consult with the PA
 Phenomena in the second second	 Phenomena in the second second	Α.	Barrier Installation: To direct and inspect the tree protection barrier installation and provide barrier sign off report
 The second second	 The second second	В.	Pre-Treatment of Trees:
The decay are construction and gas was in induced on gassient multiplication in the lab and the direct/quanchia par- term of the second of th	The attent of a procession of the second sec		trees and assist them in sustaining and adapting to the rigours of construction.
 In the number of epise. <l< td=""><td> It is access of egen. It</td><td>C.</td><td>Pre-Construction: To attend a pre-construction meeting, assist in implementing contractor mobilization to the site and to direct/supervise pre-</td></l<>	 It is access of egen. It	C.	Pre-Construction: To attend a pre-construction meeting, assist in implementing contractor mobilization to the site and to direct/supervise pre-
 a rule and all determination of the second se	 a relation and offse demonstrations of the second se		construction works in and around TPZ's, such as but not limited to:
 exception for the second second	 exclusion at the second second		 service and utility decommissioning.
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 Characterization Plant. <l< td=""><td> Contaction Planet. Contaction Planet</td><td></td><td> preloading or site grading, and </td></l<>	 Contaction Planet. Contaction Planet		 preloading or site grading, and
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PPO IECT: PROPOSED TOWNHOUSE DEVELOPMENT



UPDATED RESPONSES TO ADP COMMENTS

Key Points

- Consider further design development to simplify the elevations, as there are inconsistent design details across different facades.
- Elevation design has been simplified. Number of balcony guard types has been reduced. The extrusions around the windows and the 5th floor north-west corner balcony have been eliminated together with vertical shades on the west elevation. Instead, to continue the character of the front elevation, the roof deck projection has been extended to the north-west corner and brick veneer of the same three levels height as at the building front has been wrapped around the south-west corner to the almost full length of the west elevation. To provide more of the West Coast Design flavour and consistency with the rest of the building, the wood finished soffit of the 6th floor deck projection and the window aprons of the same finish have been introduced on the east elevation. The same approach has been used to simplify the north elevation by wrapping around the corner brick finish of the parking entry and continue it for the entire width of the portion of the building projecting above the parking ramp, providing the same character for the columns supporting his projection.
 - Consider enhancing both the internal lobby and the external public area in front of the lobby by reviewing the pedestrian ramp, layout, and external canopy.
- Main lobby space has been enhanced by increasing its area and simplification of the layout. External entry canopy has been extended and a V-shaped west coast style heavy timber column has been proposed to support the canopy.
 - Consider extending the West Coast Modern character throughout the entire project.
- Architectural elements and details of the West Coast Modern character have been integrated throughout the entire project including the main entrance canopy with V-shaped heavy timber support and soffit finish, canopy over the parkade entrance, wood finish window aprons for the 3-level brick façades, main roof soffit above level 6 and soffits of the deck projections above 5th floor, balcony soffits for units above the main entrance, parkade screen and panel above the screen for North elevation, as well as wood finished soffit and columns of the canopy above the portion of the outdoor amenity.
 - Consider coordinating the relationship between indoor and outdoor amenities for improved usability.
- Amenity usability has been improved by unification of floor level of different parts of the indoor amenity, as well as the outdoor amenity space.
 - Consider reducing the amount of circulation ramps in the landscape area

to enhance usability and promote continuity across the outdoor space.

- Outdoor amenity area ramp has been eliminated to enhance the usability of the space.
 - Provide complete planting plans for the landscape drawings.
- VDZ: Planting plan is provided in this submission.

Site

• No specific issues were identified.

Form and Character

- Consider integrating the building character on the north elevation with the rest of the facades, as it currently appears isolated and unresolved.
- North elevation has been revised and integrated with the rest of the building. The covered amenity area has been increased and wood finish heavy timber columns & soffits have been added to support this canopy. A new west coast style canopy has been proposed above the exit from the building and the indoor amenity space. The parkade screen has also been changed to wood finish. Wooden panels have been added on top of the parkade screen. The brick finish of the east elevation parking entry has been wrapped around the corner and continues for the entire width of the portion of the building projecting above the parking ramp, providing the same character for the columns supporting his projection.
 - Reevaluate the overall elevations, particularly the corners of the slot windows, as they appear somewhat cluttered.
- The elevations have been reevaluated and revised. Slot windows have been relocated to face the North elevation instead of them facing the street and the amenity area for the 2 corner units.
 - Reevaluate the decision to have the level 5 northwest corner balcony boxed out, as there seems to be no compelling reason to highlight that corner, and it is not harmonizing cohesively with the rest of the building.
- Design of the north-west corner of the building has been revised by eliminating the corner boxed balcony.
 - Consider for the south elevation enhancing the differentiation between the white vertical features and the plain gray brick areas by introducing more pronounced massing articulation.
- The better massing articulation has been achieved by introduction of light gray horizontal concrete cap blocks on top of the brick surface.
 - Consider enhancing the lobby entry to be more inviting and welcoming by providing cohesive colours in terms of pattern and defining the entry canopy.

- Main lobby space has been enhanced by increasing its area and simplification of the layout. External entry canopy has been extended and a V-shaped west coast style heavy timber column has been proposed to support the canopy.
 - Consider extending the main entrance canopy past the white full height frame.
- The main entrance canopy has been extended past the white full height frame.
 - Consider the lobby to be less like a walkway and more of an area for patrons to lounge and wait.
- The main lobby has been redesigned into more lounge-like space due to improving of the lobby proportions and simplification of the space.
 - Consider consolidating the balcony guards to two types of architectural details from the current four may help unify the architectural language across all the elevations. Currently, there are too many competing features on the elevations.
- Number of the balcony guard types has been reduced to three types in consistency with the general design logic based on reflecting and enhancing the main massing components including 3 level townhome-like building base, south-east corner facing the street intersection and the rest of the building.
 - Consider incorporating more of a west coast modern style with more use of wood and cedar soffit for the materiality and colour palette. The corners seem underdeveloped so use of wood can increase the elevation and help unify and create cohesive language by having prominent horizontal surfaces.
- Elements of the west coast design have been incorporated into all elevations throughout the building including the main entrance canopy with wood soffit finish, canopy over the parkade entrance, wood finished main roof soffit above level 6 and soffits of the deck projections above 5th floor, balcony soffits for units above the main entrance, parkade horizontal screen and panel above the screen at north elevation, as well as wood finished soffit and columns of the canopy above the portion of the outdoor amenity.
 - Consider reviewing the layout of below grade storage spaces and exploring the possibility of providing additional areas for large items.
- Storage spaces layouts have been revised. Several bigger lockers have been provided for larger items.
 - The black window frames are a key element of the exterior elevations. However, these are sometimes dropped later due to cost issues, and this would drastically change the look of the building. It is important that the City obtain some form of firm commitment that they will be retained. Otherwise, the applicant should provide alternative elevations to the ADP, so the actual design can be assessed.
- Commitment letter has been provided by the client.

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- Consider replacing the closet doors with sliding doors, which would facilitate a more flexible furniture layout.
- The swing closet doors have been replaced with sliding doors.
 - Consider expanding the drive aisle on the west of level P1 parking as it is currently very narrow especially at stall 8 where regular parking stalls start.
- Underground parking layouts have been revised. Width of all drive aisles complies with the Zoning Bylaw. Width of the drive aisle in front of stall 8 is 23 feet. However, we see the possibility for parking layout improvement, and we'll introduce them after the Council Meeting.
 - Show the programming of indoor amenity areas on the drawings.
- The indoor amenity programming has been introduced on the Level 1 floor plan for the fitness area of the amenity because it is easily programmable. The amenity lounge area is the multifunctional space and could be organised for variety of different functions which are usually determined by the strata (besides of the location of rough ins), or by the interior design and marketing teams at the BP stage of the project. However, to comply with your request, we provide several schematic furniture and equipment layouts for different programs which could be implemented in this space, illustrating its functional and special flexibility. Please see A-202.

Landscape

• Reconsider the functionality of the furniture in the landscape outdoor amenity spaces as the garden pots are very close to the outdoor stretch area and patrons are not able to use the two spaces efficiently as there is conflict of circulation. Also consider providing more flexible tables to allow patrons to use for social activities.

VDZ: The garden pots are eliminated, and programs are redesigned in the amenity space. Please refer to the landscape drawings.

• Consider all trees to have adequate soil volume and depth. Consider soil volume plan to show areas where hatches are into patio spaces and to clarify and specify the product.

VDZ: Hatch into the patio space is structural soil under the surface. Please refer to sections.

• Consider effective diversity in tree shrub species for 4 seasons and optimum habitat.

VDZ: We have a balance of coniferous and deciduous mix in our planting design to optimize the ecological value and habitat opportunity.

• Highly recommend providing shrub or tree planting plans to review in the submission as there were none provided.

VDZ: Planting plan is provided in this submission.

Consider having screening between units and to the street frontage.

VDZ: Privacy screen is proposed between units, please refer to architectural details. Regarding the frontage, evergreen hedges are used for the same purpose.

• Highly recommend showing fence details on the landscape plans as it is easier to review and determine if the screening is comprehensive.

VDZ: Please refer to Fencing Plan and Details in the landscape package.

• Consider the height of the walls and to review them under the amenity area if the grading of the walkway is changing.

VDZ: Grading in amenity area is changed. Please refer to landscape site plan and grading plan for the revisions.

• Consider excluding the flowers (Golden Purvis) as they tend to have a distinctive smell and could irritate some people.

VDZ: We don't have this plant in our list.

• Consider incorporating walkways into the northwest corner amenity areas through materiality or programming to reduce hard surfacing and allow more programmed space and more cohesive design in children's play area.

VDZ: The circulation path has been redesigned to cut down the hardscape area.

• Consider coordinating the amenity programming interior to exterior, for example inside gym to outside yoga area as the yoga area is in the middle of the exit door walkway.

VDZ: The programs in amenity space have been redesigned to provide better connection and service between indoor and outdoor.

• Recommend reviewing the location of the veggie gardens as they appear to be in the centre of the 6 storeys building on the north side without any sunlight.

VDZ: The garden pots are eliminated.

• Consider providing screening or separation between children's play structure area and access walkway coming from the building.

VDZ: We want to keep eyes on the play area for safety reasons. However, planting buffer is provided between NW living unit and outdoor amenity space to the play area.

• Consider adding sheltered outdoor amenity space to provide occupants access to open air group spaces for year-round use.

VDZ: A trellis is proposed above the BBQ area for weather protection during the year.

CPTED

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• No specific issues were identified.

Sustainability

- Consider energy modeling to future climate data to account for shock events (hot and cold), and to inform fenestration layouts, natural ventilation, and passive cooling strategies on different facades.
- Energy modeling will be provided at BP stage of the project. Proposed recessed balconies, roof and canopy overhangs are part of passive cooling strategies.
 - Consider including slag or fly ash into the structural concrete to reduce embodied carbon due to cement content.
- This recommendation will be considered at the next stage of the project in collaboration with appropriate consultants competent in this area.
 - Consider setting higher performing targets for sustainability metrics such as air tightness and low embodied carbon.
- This recommendation will be considered at the next stage of the project in collaboration with appropriate consultants competent in this area.
 - Consider inclusion of renewable energy on roof surfaces. Or consider providing extensive green roof to help reduce storm water run-off and heat island effect.
- This recommendation will be considered at the next stage of the project in collaboration with appropriate consultants competent in this area.
 - Consider reviewing opportunities for rain gardens of bioswales especially with at grade planting areas beside parking ramp.
- VDZ: The planter on the north side of the amenity area is turned into a rain garden. Stormwater from the hardscape surface will run into this planter and filtered by the bioplanting and drain rock pad.
 - Recommend providing bike parking for e-bikes for both internal and exterior bike parking.
- E-bike stalls are provided for internal and external bike parking.

Accessibility

- Consider providing and installing an inclusive play structure for children of all abilities in the playground.
- VDZ: With the limited area and fall zone requirement, inclusive play structure can not be provided at the location. However, we have tried our best to provide multiple toys to serve different age groups.
 - Consider reviewing and reducing the slope between the building access to amenity area as it is 5% slope.
- Slope has been reduced to 4.3%.

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