

City of Surrey PLANNING & DEVELOPMENT REPORT Application No.: 7923-0234-00

Planning Report Date: January 29, 2024

PROPOSAL:

- OCP Amendment to Figures 3 and 16 from Multiple Residential to Downtown 3.5 FAR
- City Centre Plan Amendment of a portion from Low to Mid Rise Residential to Mid to High Residential and Mid to High Rise Mixed Use
- Rezoning from CHI to CD
- Development Permits for Form and Character,
 Sensitive Ecosystems, and Hazard Lands
- **Development Variance Permit** for reduced streamside setbacks

to allow for a phased development consisting of one 21storey mixed-use tower and two residential towers of 24 and 37-storeys, with a total of 967 residential units and 240 sq.m of ground floor commercial space in City Centre.

LOCATION: 13340 112 Avenue

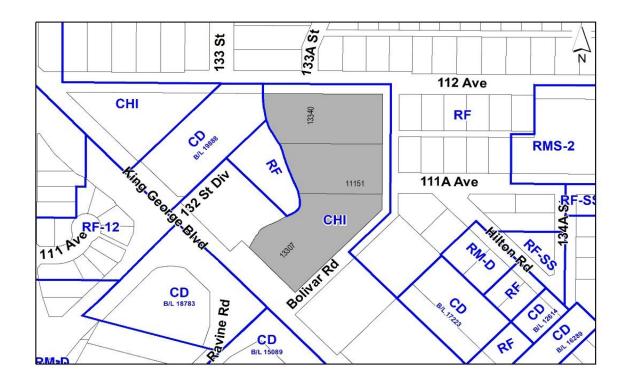
11151 Bolivar Road

13307 King George Boulevard

ZONING: CHI

OCP DESIGNATION: Multiple Residential

CITY CENTRE PLAN Low to Mid Rise Residential and DESIGNATION: Creek/Top of Bank Buffer



RECOMMENDATION SUMMARY

- By-law Introduction and set date for Public Hearing for:
 - OCP Amendment; and
 - Rezoning.
- Approval to draft Development Permit for Form and Character, Sensitive Ecosystems (Streamside), and Hazard Lands (Steep Slopes).
- Approval for Development Variance Permit to proceed to Public Notification.

DEVIATION FROM PLANS, POLICIES OR REGULATIONS

- Proposing an amendment to the Official Community Plan from Multiple Residential to Downtown 3.5 FAR to permit a higher density on the site.
- Proposing an amendment to the City Centre Plan from Low to Mid-Rise Residential to Mid to High Rise Residential and Mid to High Rise Mixed Use for a portion of the site.
- Proposing to reduce the streamside setback requirements outlined in Part 7A, Streamside Protection, of the Zoning Bylaw.

RATIONALE OF RECOMMENDATION

- The current proposal does not comply with the Multiple Residential designation in the Official Community Plan (OCP) or the Low to Mid-Rise Residential designation in the Surrey City Centre Plan. Amendments are proposed to accommodate a higher density.
- The proposed development conforms to the goal of achieving high-rise, high density, and mixed-use development around the three SkyTrain Stations. The Gateway Skytrain Station is less than 700 metres, as the crow flies, from the subject site.
- The provincial legislation introduced in December 2023, designates the site within a Skytrain Station Transit Oriented Area (TOA), Tier 3, which allows for a minimum FAR of 3.0 and a minimum height of 8-storeys.
- The proposed height and density of the subject site is reflective of an evolving urban context in the City Centre and in consideration of the objective to increase housing supply within TOA's.
- The proposed setbacks and built form achieve a more urban, pedestrian streetscape in compliance with the Surrey City Centre Plan and in accordance with the Development Permit (Form and Character) design guidelines in the OCP.

- The proposed building achieves an attractive and unique architectural built form, which utilizes high quality materials and contemporary massing. The street interface has been designed to a high quality to achieve a positive urban experience between the proposed building, Bolivar Creek and the public realm.
- The applicant will provide a density bonus amenity contribution consistent with the Tier 2 Capital Projects Community Amenity Contributions (CACs), in support of the requested increased residential density.
- The applicant is proposing a reduced setback along the east side of Bolivar Creek. This reduced setback will establish a development site that can accommodate building envelopes and densities that are reflective of the goals of an emerging City Centre.
- The watercourse and associated riparian protection area will be conveyed to the City for riparian protection purposes (Lot 3) and contains an area of approximately 5,990 m². The proposed watercourse protection, restoration, and proposed setbacks balance both riparian protection and development potential on the site while protecting and enhancing an important natural asset in City Centre.

RECOMMENDATION

The Planning & Development Department recommends that:

- 1. A By-law be introduced to amend the OCP Figure 3: General Land Use Designations for the subject site from Multiple Residential to Downtown 3.5 FAR and to Figure 16: Downtown Densities to include the site and a date for Public Hearing be set.
- 2. Council determine the opportunities for consultation with persons, organizations and authorities that are considered to be affected by the proposed amendment to the Official Community Plan, as described in the Report, to be appropriate to meet the requirement of Section 475 of the Local Government Act.
- 3. A By-law be introduced to rezone the subject site from "Highway Commercial Industrial Zone (CHI)" to "Comprehensive Development Zone (CD)" and a date be set for Public Hearing.
- 4. Council authorize staff to draft Development Permit No.7923-0234-00 generally in accordance with the attached drawings (Appendix I) and the finalized Ecosystem Development Plan and Geotechnical Report.
- 5. Council approve Development Variance Permit No. 7923-0234-00 (Appendix V) varying the following, to proceed to Public Notification:
 - (a) In Section B.1 in Part 7A, Stream Protection, the minimum streamside setback distance for a Class A (red-coded) Natural Stream is reduced from 30 metres to a minimum of 19.2 metres, measured from top of bank.
- 6. 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) approval from the Ministry of Forests, Lands and Natural Resource Operations under the <u>Water Sustainability Act</u> for Class C ditch watercourse classification confirmation;
 - (d) resolution of all urban design issues to the satisfaction of the Planning and Development Department;
 - (e) submission of a finalized landscaping plan and landscaping cost estimate to the specifications and satisfaction of the Planning and Development Department;
 - (f) submission of a finalized tree survey and a statement regarding tree preservation to the satisfaction of the City Landscape Architect;

- (g) submission of a finalized Ecosystem Development Plan and Impact Mitigation Plan to the satisfaction of City staff;
- (h) the applicant satisfy the requirements for a P-15 agreement, including the construction of the public pathway;
- (i) conveyance of riparian protection area, proposed Lot 3, at no cost to the City;
- (j) submission of a finalized Geotechnical Report, including a peer review, to the satisfaction of City staff;
- (k) the applicant provide a density bonus amenity contribution consistent with the Tier 2 Capital Projects CACs in support of the requested increased density, to the satisfaction of the General Manager, Planning and Development Department;
- (l) demolition of existing buildings and structures to the satisfaction of the Planning and Development Department;
- (m) submission of a landscape design and financial securities to accommodate design improvements and public accessibility for the City-owned King George Boulevard area adjacent to the site;
- (n) registration of access easements to ensure access to the proposed shared parking and amenity facilities within the development and between phases;
- (o) submission of an acoustical report for the units adjacent to King George Boulevard registration of a Section 219 Restrictive Covenant to ensure implementation of noise mitigation measures.
- (p) 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; and
- (q) registration of a statutory right-of-way for public rights of passage through site to the future public pathway.
- 7. Council pass a resolution to amend the Surrey City Centre Plan to redesignate the land from Low to Mid-Rise Residential to Mid to High Rise Residential and Mid to High Rise Mixed-Use for a portion of the site when the project is considered for final adoption.

SITE CONTEXT & BACKGROUND

Direction	Existing Use	OCP/City Centre Plan Designation	Existing Zone
Subject Site	Automotive dealership	Low to Mid Rise Residential and Creek/Top of Bank Buffer	СНІ
North (Across 112 Avenue):	Single family residential homes	Urban in the OCP	RF
East (Across Bolivar Road):	Development Application No. 17-0397-00, at Third Reading, proposing 3 high rise buildings (26, 31, and 37 storeys), and single family homes.	Low to Mid Rise Residential and Townhouse	RF (CD Bylaw No. 20013 at Third Reading) and CD (Bylaw No.15089)
South (Across King George Boulevard):	Skytrain guideway and townhouses with riparian protection area.	High Rise Residential Type 1	CD (Bylaw No. 15089)
West:	Automotive accessory store, Bolivar Creek and creek buffer area.	Low to Mid Rise Residential and Creek Buffer	CHI and RF

Context & Background

- The subject site is located at 13340 112 Avenue, 11151 Bolivar Road and 13307 King George Boulevard in the City Centre Plan. The subject site is approximately 15,854 square metres in size, is currently operating as an automotive dealership, and has Bolivar Creek running along the western portion of the site.
- The subject site is zoned "Highway Commercial Industrial Zone (CHI)" and is designated "Low to Mid Rise Residential" and "Creek/Top of Bank Buffer" in the City Centre Plan and "Multiple Residential" in the Official Community Plan (OCP).
- The applicant has submitted an application for an OCP Amendment, a rezoning from CHI to "Comprehensive Development Zone (CD)", a Development Permit Form and Character, along with a Development Permit for Sensitive Ecosystems and Hazard Lands, and a subdivision, in order to allow for a phased, mixed-use development consisting of three buildings.
- Bolivar Creek, a Class A red-coded watercourse is located along the west portion the subject site. The riparian protection area of approximately 5,900 square metres is proposed to be conveyed to the City for maximum safeguarding.

- A Development Variance Permit is proposed to reduce the setback requirements for Bolivar Creek from 30 metres to a minimum of 19.2 metres from top of bank. The proposed streamside setbacks range between 19.2 metres 34.3 metres across the site.
- Final Water Sustainability Act (WSA) approval is required for the Class C ditch located along Bolivar Road. There are no setbacks anticipated to be required for this ditch.
- Should WSA require streamside setbacks, the applicant will be required to amend the development proposal to reflect these requirements.

DEVELOPMENT PROPOSAL

Planning Considerations

- The applicant is proposing:
 - o to amend the Official Community Plan (Figures 3 and 16) from Multiple Residential to Downtown and to allow for higher density of 3.5 FAR;
 - o to amend the City Centre Plan from Low to Mid-Rise Residential to Mid to High Rise Residential and Mid to High Rise Mixed-Use for the development portion of the site;
 - o a Development Variance Permit to reduce the streamside setback requirements outlined in Part 7A, Streamside Protection, of the Zoning Bylaw, from 30 metres to a minimum of 19.2 metres from top of bank along the south portion of the watercourse;
 - o a Development Permit for the 3 buildings, consisting of one, 21-storey mixed-use building and two residential buildings at 37 and 24-storeys, respectively;
 - o a Development Permit Sensitive Ecosystems (Streamside) and Hazard Lands; and
 - Subdivision to create 2 development parcels and one parcel to be conveyed to the City for riparian area conservation.

	Proposed
Lot Area	
Gross Site Area:	15,854 sq. metres
Road Dedication:	540 sq. metres
Undevelopable Area:	2,578 sq. metres
Riparian Protection Area:	5,948 sq. metres
Net Site Area:	9,366 sq. metres
Number of Lots:	Existing: 3 Proposed 3
Building Height:	21, 24 and 37-storeys
Floor Area Ratio (FAR):	Overall gross: 5.0 FAR
	Overall net: 7.1 FAR
Floor Area	
Residential:	66,641 sq.m
Commercial:	240 sq.m
Total:	66,904 sq. m
Residential Units:	
Studio:	51
1-Bedroom:	289
1-Bedroom plus den:	308

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	Proposed
2-Bedroom:	173
2-Bedroom plus den:	132
3-Bedroom:	7
3-Bedroom plus den:	7
Total:	967

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 35

school-age children generated by this development, of which the School District has provided the following expected student

enrollment.

19 Elementary students at James Ardiel Elementary School 10 Secondary students at Kwantlen Park Secondary School

(Appendix III)

Parks, Recreation & Culture:

Parks will accept the voluntary conveyance of the riparian area, at

no cost to the City, subject to a P-15.

The closest active park is planned less than 200 metres away, as part of the City Centre Plan, and natural area is proposed to be

conveyed to the City as part of the subject development

application.

Surrey Fire Department:

No concerns

Advisory Design Panel:

The proposal was considered at the ADP meeting on December 14,

2023 and was 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

Traffic Impacts

- The applicant was required to submit a transportation impact analysis ("TIA") to evaluate site-generated traffic impacts. According to the TIA, the proposal is anticipated to generate approximately three vehicles every minute in the peak hour.
- The TIA confirmed the need for signalization of the intersection of Bolivar Road and King George Boulevard, which is planned to be constructed as part of adjacent development. With this improvement, the road network and study intersections were projected to operate at acceptable levels.

Road Network & Infrastructure

- The applicant will be required to provide the following improvements to support the subject proposal:
 - Construction of the north side of King George Boulevard to the City Centre arterial road standard;
 - Dedication and construction of the west side of Bolivar Road with pedestrian and cycling infrastructure and pavement widening; and
 - Dedication and construction of the south side of 112 Avenue to the City Centre collector road standard.

Access and Parking

- The subject site is proposed to be accessed via 112 Avenue and Bolivar Road.
- The Zoning Bylaw requires a total of 974 parking spaces to be provided on site.
- The applicant is proposing to provide a total of 984 parking spaces on site, exceeding the Zoning Bylaw requirements.

Parkland and/or Natural Area Considerations

- Development Permits for Sensitive Ecosystems (Streamside Protection) and Hazard Lands (Steep Slopes) are required.
- Bolivar Creek, a Class A watercourse, runs along the west portion of the site and continues north, across 112 Avenue, and south, across King George Boulevard.
- A Class C ditch is located along the Bolivar Road frontage and is proposed to be infilled. Final approval from Province under the Water Sustainability Act (WSA) is required.
- The required streamside setback, as outlined in Part 7A of the Zoning Bylaw, is 30 metres from top of bank for Bolivar Creek (Class A Stream). The setback proposed as part of the subject development project is reduced to a minimum of 19.2 metres ranging up to 34.3 metres.

- The rationale for the proposed reduction includes the following:
 - o the proposed variable setbacks exceed the minimum setback requirements under the provincial Riparian Areas Protection Regulation (RAPR);
 - a reduced setback to the watercourse is proposed in order to allow for a development site that can accommodate building envelopes and densities that are reflective of the goals of the City Centre Plan;
 - o the associated riparian protection area will be conveyed to the City for riparian protection purposes (Lot 3) and contains an area of approximately 5,990 m²; and
 - the proposed setbacks balance both riparian protection (through habitat restoration and conveyance) and development potential of the site.
- Staff support the requested variances to proceed for consideration.
- The site has a gross site area of 15,854 square metres with approximately 5,990 square metres of environmentally sensitive area being conveyed, (proposed Lot 3) at no cost, to the City, for riparian area protection purposes.
- A P-15 will be required in order to secure the proposed riparian habitat restoration and enhancement in advance of conveyance to the City.
- In accordance with the required City processes with respect to Sensitive Ecosystem Development Permit Areas (Streamside Protection) the applicant engaged Dillon Consulting Ltd. and appropriate Qualified Environmental Professionals (QEP), to prepare the required environmental assessments and reports.
- A 5 metre publicly accessible path will be located between the development site and the
 riparian area being conveyed to the City. This path will serve as both a public walkway and as
 drainage access to Bolivar Creek. The applicant is responsible for the design and installation
 as part of a P-15 agreement in consultation with staff.

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 buildings are designed to maximize natural daylighting and solar efficiency. The
 design specifies efficient systems such as Energy Star appliances, Intelligent lighting
 systems and LED lighting throughout. The project will be designed to Step Code 2
 Standards.
 - The project is close to transit systems, as well as planned outdoor park spaces. The
 result is an eco-efficient urban lifestyle which brings diversity, energy and renewed
 vitality to this neighborhood while respecting the sensitive eco-environment of Bolivar
 Creek.
 - Construction emphasizes the use of materials that are certified to be from renewable sources and are manufactured or assembled locally to save on transportation energy and emissions.

- The design specifies the use of healthy materials, adhesives, sealants, paints and coatings to minimize the emission of harmful chemicals. All of which reduces our impact on outside ecosystems while helping create the healthiest indoor environment for homeowners and office workers.
- The multiple terraced roof areas are designed to incorporate living space, landscape and technology to create a positive environmental effect. Where possible, areas will be dedicated to 'green roof', reducing waste heat generation and creating beneficial urban eco-habitats.
- A stormwater collection system is being designed which will filter runoff and reduce pressure on the public storm water system. This extensive perimeter stormwater management system will be assisted by the water-retaining capacity of the landscaped open space, roof decks and permeable surfaces.

POLICY & BY-LAW CONSIDERATIONS

Regional Growth Strategy

• The subject site is located within, and complies with, the Urban Centres (Surrey Metro Centre) Land Use Designation of Metro Vancouver's Regional Growth Strategy.

Official Community Plan

Land Use Designation

- The subject site is designated Multiple Residential in the Official Community Plan, with a permitted maximum density of 2.5 FAR, as noted in Figure 3 of the OCP.
- The applicant is proposing to amend Figures 3 and 16 from Multiple Residential to Downtown 3.5 FAR.

Amendment Rationale

- The proposed density and building form are appropriate for this part of Surrey City Centre, and forms part of an emerging higher-density City Centre area.
- The proposed development conforms to the goal of achieving high-rise, high density, and mixed-use development around the three SkyTrain Stations. The Gateway Skytrain Station is less than 700 metres, as the crow flies, from the subject site.
- The proposed tower forms are consistent with the neighbouring development application to the east (Application No. 7917-0397-00 Third Reading), which features towers of 26, 31 and 37 storeys.
- The application will be subject to the Community Amenity Contribution (Capital Projects) and Density Bonus Program, which received final adoption from Council at the December 16, 2019, Regular Council Land Use Meeting.

Public Consultation for Proposed OCP Amendment

• Pursuant to Section 475 of the <u>Local Government Act</u>, it was determined that it was not necessary to consult with any persons, organizations, or authorities with respect to the proposed OCP amendment, other than those contacted as part of the pre-notification process.

Themes/Policies

- The proposed development is consistent with the following OCP Themes and Policies:
 - Growth Management
 - Accommodating Higher Density: Direct higher-density development into Surrey's City Centre.
 - o Centres, Corridors and Neighbourhoods:
 - Dynamic City Centre: Strengthen Surrey's City Centre as a dynamic, attractive, and complete Metropolitan Core.
 - Transit Corridors: Support Transit Oriented Development along major corridors linking urban centres and employment areas.
 - Healthy Neighbourhood: Build complete, walkable, and green neighbourhoods.
 - Urban Design: Encourage beautiful and sustainable urban design.
 - Ecosystems
 - Energy, Emissions and Climate Resiliency: Design a community that is energy-efficient, reduces carbon emissions and adapts to a changing environment.
 - Economy
 - Employment Lands: Ensure sufficient supply and efficient use of employment lands.
 - Employment, Investment and Innovation: Ensure high-quality, business innovation and diversified employment and investment opportunities.

Secondary Plans

Land Use Designation

- The subject site is designated Low to Mid Rise Residential and Creek/Top of Bank Buffer in the City Centre Plan.
- The application proposes to amend the City Centre Plan from Low to Mid Rise Residential to Mid to High Rise Mixed-Use and Residential for the development portion of the site.

Amendment Rationale

- The proposed density and building form are appropriate for this part of Surrey City Centre and will complement higher density developments nearby to the south and east.
- The applicant will be subject to the Community Amenity Contribution (Capital Projects) and Density Bonus Program, which received final adoption from Council at the December 16, 2019, Regular Council – Land Use Meeting.
- The "Creek/Top of Bank Buffer" designation is proposed to remain.

Themes/Objectives

- The proposed development is consistent with the following guiding principles of the City Centre Plan:
 - Build Density and Mixed Use, by providing a mix of commercial, office and residential space.
 - Encourage Housing Diversity, with a mix of rental and condominium units and a variety of unit types and sizes.
 - Encourage Office and Employment, by providing approximately 6,268 square metres of office space and ground floor commercial retail units.
 - Promote Identity and Sense of Place, with a unique blend of interconnected commercial, amenity and residential spaces.

CD By-law

- The applicant proposes to rezone the subject site from "Highway Commercial Industrial Zone (CHI)" to "Comprehensive Development Zone (CD)".
- The applicant is proposing a "Comprehensive Development Zone (CD)" to accommodate the proposed development 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 135 Zone (RM-135)" and the "Community Commercial Zone (C-8)".
- The CD Bylaw contains Blocks A, B, and C. Block A contains the southern two buildings on the development site (proposed Lot 1). Block B contains the north building on the development site (proposed Lot 2) and Block C contains the riparian protection/open space area (proposed Lot 3).
- A comparison of the density, lot coverage, setbacks, building height and permitted uses in the RM-135 Zone, C-8 Zone and the proposed CD By-law is illustrated in the following table:

	RM-135 and C-8 Zones	Proposed CD By-law
Land Use	The RM-135 Zone permits multiple unit residential buildings and ground-oriented multiple residential buildings.	Residential will comply with the RM-135 Zone in all Blocks A and B.
	The C-8 Zone permits commercial uses including:Retail stores;Personal service uses;General service uses;	Commercial uses will include the following: Block A
	 Beverage container return centres; Eating establishments; Neighbourhood pubs; Liquor stores; Office uses; Parking facilities; Automotive service uses; Indoor recreational facilities; Entertainment uses; Assembly Halls; Community services; Child care facilities; and One dwelling unit. 	 Retail stores; Personal service uses; General service uses; Eating establishments; Neighbourhood pubs; Liquor stores; Office uses; Indoor recreational facilities; Entertainment uses; Community services; and Child care facilities.
FAR (Net Density)	2.5	Overall net site density: 7.1 Block A: 7.5 Block B: 6.6 Block C: N/A
Lot Coverage	33%	Block A: 42% Block B: 48% Block C: N/A

	RM-135 and C-	8 Zones	Pı	roposed CD By-law
Building Setbacks	50% of the height building from all l		Block A North: South: East: West: Block B North: South: East: West: Block C N/A	4.5 metres 1 metres 4.5 metres 1 metres 4.5 metres 4.5 metre 0 metre 4.5 metres 0 metres
Building Height	Not Applicable			A: 124 metres B: 83 metres
Amenity Space	-1			
Indoor Amenity:	2,233 sq. metres	2,946 m	ietres	The proposed 2,946m² exceeds the Bylaw requirement.
Outdoor Amenity:	2,952 sq. metres	3,900 sq.	metres	The proposed 3,900 m² exceeds the Bylaw requirement.
Parking (F	Part 5)	Requi	red	Proposed
Number of Stalls				
Commercial/Office: Residential: Residential Visitor:		7 870 97		7 880 97
Total:		974	1	984
Bicycle Spaces	1-:			
Residential Secure Par Residential Visitor:	King:	116: 18		1161 18
Total:		1,179		1,179

- The proposed net floor area ratio (FAR) of 7.5 (Block A) and 6.6 (Block B) and the lot coverage of 42% and 45% will exceed the maximum 2.5 FAR and 33% lot coverage permitted under the RM-135 Zone.
- While the proposed density exceeds that permitted in the Low to Mid Rise Residential designation (2.5 FAR) calculated on the gross site area, the proposed use and density complies with the intent of the proposed Mid to High Rise Residential and Mixed-Use (3.5 FAR) designations in the Surrey City Centre Plan. The overall gross FAR of the project is 5.0.

- The proposed lot coverage is appropriate for the proposed development including significant podiums and is contextually consistent with proposed surrounding developments to the south and east.
- The RM-135 Zone requires the setbacks to be 7.5 metres or a minimum of 50% of the building height, whichever is greater. The applicant is proposing reductions for all setbacks in the CD By-law. The reduction in building setbacks is supportable as they allow for more active engagement of the streets, which is desirable for the City Centre area and consistent with the City Centre Plan design guidelines.

Streamside Variance

- The applicant is requesting the following streamside variance:
 - o to reduce the minimum setback distance for a Class A (red-coded) stream from 30 metres to a minimum of 19.2 metres (ranges up to 34.3 metres).

Applicant's rationale:

- Conveyance to the City and restoration of the riparian protection area is proposed for the site.
- The restoration will include the removal of refuse, structures and invasive species. It will also include the planting of native trees and shrubs.
- The result will be a conversion of a historically polluted, compromised and poorly functioning riparian setback area to a healthy forested ecosystem with improved habitat for plants and animals.

Staff Comments:

- A reduced setback to the red-coded watercourse, Bolivar Creek, is proposed in order to allow for a development site that can accommodate building envelopes and densities that are reflective of the goals for an emerging City Centre.
- The riparian protection area will be conveyed to the City for riparian protection purposes (Lot 3) and contains an area of approximately 5,990 square metres.
- The proposed streamside setback ranges between 19.2 metres and 34.3 metres from top of bank, in response to the site geometry and with the goal of balancing riparian area setbacks and development site potential.
- The proposed setbacks exceed the Riparian Areas Protection Regulation (RAPR) of 10.5 metres from high water mark.
- Staff believe that the proposed setbacks, along with significant habitat restoration from the existing compromised site condition, along with conveyance, balance both riparian protection and development potential of the site. Staff support the requested variances to proceed for consideration.

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 issuance. The current rate is \$2,136 on a per unit basis.
- The proposed development will be subject to the Tier 2 Capital Plan Project CACs for proposed density greater than the City Centre Plan designation, payable at the time of Final Adoption. The current rate for the Whalley Community Area is \$459.85 per sq.m of additional residential floor area above the current plan designation.

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 \$1,068 per new unit 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 January 17, 2024, and the Development Proposal Signs were installed on January 15, 2024. Staff have not received any comments.

DEVELOPMENT PERMITS

Sensitive Ecosystems (Streamside Areas) Development Permit Requirement

- The subject property falls within the Sensitive Ecosystems Development Permit Area (DPA) for Streamside Areas in the OCP, given the location of an existing Class A (red-coded) watercourse which flows north. The Sensitive Ecosystems (Streamside Areas) Development Permit is required to protect aquatic and terrestrial ecosystems associated with streams from the impacts of development.
- In accordance with Part 7A Streamside Protection setbacks of the Zoning By-law, a Class A (red-coded) watercourse requires a minimum streamside setback of 30 metres, as measured from the top of bank. The proposed minimum setback of 19.2 metres is less than the requirements outlined in the Zoning By-law.
- The riparian area, of approximately 5,990 square metres is proposed to be conveyed to the City as a lot for conservation purposes as a condition of rezoning approval in compliance with the OCP.
- An Ecosystem Development Plan, prepared by Remi Masson, *R.P. Bio.*, of Red Cedar Environmental Consulting and dated December 21, 2023 was reviewed by staff and found to be generally acceptable, with some modifications to content and format of the report still required. The finalized report and recommendations will be incorporated into the Development Permit.

Hazard Lands (Steep Slope) Development Permit Requirement

- The subject property falls within the Hazard Lands (Steep Slope) Development Permit Area (DPA) in the OCP, given that the site contains steep slopes in excess of 20% gradient. The Hazard Land (Steep Slope) Development Permit is required to protect developments from hazardous conditions.
- The subject site is adjacent to Bolivar Creek with portions of its western banks within the subject site.
- The overall site slopes down gently to the north with the steepest portions along the creek banks at a gradient of 1 horizontal to 1 vertical (1:1 slope).
- A geotechnical report, prepared by Stuart Hyrsio, *P. Eng.*, of Braun Geotechnical Ltd. and dated November 28, 2023. This report will be peer reviewed in advance of final adoption. The report was reviewed by staff and found to conform to the OCP Development Permit guidelines for Hazard Lands, with some modifications to content of the report still required, including a hydrogeological assessment report. The finalized geotechnical report will be incorporated into the Development Permit.
- The geotechnical report investigated issues related to slope stability and natural storm water drainage, from a geotechnical perspective, to determine the feasibility of development the site and proposing recommendations to ensure the ongoing stability of the slope.

- The consultant has determined that the development is feasible provided that the recommendations in their report are incorporated into the overall design of the site to be outlined as part of the finalized report.
- Registration of a Section 219 Restrictive Covenant that requires the owner to develop the site in accordance with the conditions in the geotechnical report is required as a condition of final adoption.
- At Building Permit stage, the Building Division will require Letters of Assurance from a geotechnical engineer to ensure that the building plans comply with the recommendations in the approved geotechnical report.

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 Surrey City Centre Plan.
- The proposed development generally complies with the Form and Character Development Permit guidelines in the OCP and the design guidelines in the Surrey City Centre Plan.
- The applicant has worked with staff to:
 - Develop an attractive mixed-use project that leverages the features of Bolivar Creek, integrating a diverse range of open spaces and uses.
 - Create distinctive tower and podium structures that featuring organic, terraced massing and architectural expression.
 - Design the three-tower concept around Bolivar Creek with appropriate setbacks and landscaping and habitat restoration.
 - Adopt an approach to tower height that considers the proposed adjacent development and existing single-family and low-rise buildings to the east.
 - Enhance the pedestrian and public realm experience along King George Boulevard, Bolivar Road, and 112 Avenue, with a focus on desired pedestrian pathways and placemaking plazas.
- The site plan and buildings have been oriented in response to the site's irregular geometry and riparian protection area. Bolivar Creek and the associated riparian protection area is a significant environmental feature of the City, and it is an important plan and form generator for this project.
- The characteristic of this site is the curving, meandering and organic nature of the creek and its bordering open space and the site planning of the built forms have been organized to embrace this character.
- Taking into account the required environmental setbacks required from the Bolivar Creek top of bank, the remaining development site for the project becomes fairly long, linear and angled in the center area of the site forming what is a boomerang shape overall.
- The project has three significant tower forms along Bolivar Road at 21 storeys closest to King George Boulevard, 37 storeys in the center of the plan and 24 storeys for the third tower closest to 112 Avenue.

- The towers have been positioned for maximum separation distances between them on the site as well as the separations to the towers proposed in the planned development across Bolivar Road to the southwest. Additionally, the towers have been positioned to maximize the view corridors for each of the towers to surrounding mountains and views of Surrey City Centre.
- On-site amenity areas at grade are primarily adjacent to the Bolivar Creek riparian protection area, to be conveyed to the City.
- A statutory right-of-way will be secured for public rights of passage from Bolivar Road through the central open space area within the site to provide public access to the path along the outer edge of the riparian protected area.
- The building forms are terraced with decks which take advantage of both short range views of the creek area and long-range views to the north shore mountains.
- The rooftop amenities on each tower also take advantage of immediate views to Bolivar Creek as well as long range views to the North Shore Mountains, Downtown Vancouver, and Mount Baker.
- The space between Tower 2 and Tower 3 will be open green space thereby connecting the green space of the Bolivar Creek to Bolivar Road and providing a major public access and view corridor through to the site from 112th Avenue.
- There are amenity spaces at each of the ground levels of the towers as well as located adjacent to various rooftops of the podiums thereby allowing both indoor and outdoor amenity spaces the opportunity to easily interact with one another.
- Towers 1 and 2 (adjacent to King George Boulevard and central to the site) are joined at the podium levels and highlighted with a swooped curving articulation of the predominantly glass façade that is horizontal at the podium and then rises vertically on each tower to form a visually interesting composition between the two towers.
- This dynamic curve creates a unique architectural expression on the skyline that takes it visual clues from the organic curved nature of Bolivar Creek. The podium connection between the two towers steps up in either tower direction with landscaped terraces that have been designed to visually relate to the Bolivar Creek green space and further emphasize the organic nature of the site.
- The copper-finish horizontal aluminum panels add a warmer visual interest to the towers.
- The project aligns with the sustainability criteria of the City of Surrey, meeting at least Step 2 of the BC Step Code.
- Tower 3 and its podiums are distinct from Towers 1 and 2, while sharing a common concept and materials, and is separated by a green pedestrian and landscaped area that physically connects to the Bolivar Creek Greenway. This tower completes the ensemble facing Bolivar Creek by creating an L-shaped form with two separate stepping podiums that run along both 112 Avenue and Bolivar Road thereby defining the corner.

- This tower has some similar vertical and horizontal banding and stepping elements to Towers 1 and 2 but at the same time provides differentiation which does not mimic, and instead offering complementary elements to the curving design of the first two towers.
- Exterior Building materials will reflect both the urban setting and natural amenity of Bolivar Creek. Pre-finished metal panels in copper finish material and white vertical design elements along with alternating widow panels will provide a refreshing and dynamic sense of movement.

Landscaping

- The landscaping design concept is to reduce the overall scale of the development to create a human-scale experience.
- The open space central to the site and between Bolivar Road and the riparian area helps to create a livable community on and off-site.
- The landscape spaces promote strong physiological well-being for the residents, including outdoor gathering places, picnic tables, and urban agriculture areas.
- Ground level units include patios and buffer planting with direct access to the adjacent courtyard or public sidewalks.
- The creation of natural habitat is a key focus for the site, including the provision of pollinator gardens and the reintroduction of naturalized rain gardens to attract native fauna, and the introduction of ethnobotanic edible planting for both human enjoyment and ecosystem function.
- The planting selection supports a diversity of insects, plants, animals, and other organisms, many of which are beneficial to local food production.
- It also supports the urban habitat allowing plants and animals to move between different urban green zones, overcoming the effects of habitat fragmentation and helping to diversify the gene pool.
- The garden space within the primary courtyard central to the site between phases 1 and 2 creates the opportunity for people to experience nature and our ecosystem.
- 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.
 - Design development of the publicly accessible pathway from Boliver Road to the riparian walkway. Coordinate and further develop the public realm interfaces, including riparian frontages, public plazas, ground-level unit interface, grading, servicing, and parking ramp/loading.

Indoor Amenity

- Per the Indoor Amenity Space requirements of the Zoning By-law No. 12000, high-rise towers that are 25 storeys or higher must provide 3 square metres of indoor amenity space per unit up to 557 square metres per tower, which equates to 186 units, plus 1 square metre per unit above 557 square metres, plus 4 square metre per micro unit and 1 square metre per lock-off unit for each building.
- Based upon the City's Zoning Bylaw requirement, the proposed development must provide a total of 2,233 square metres of indoor amenity space for the proposed 967 residential units, (there are 51 micro units proposed). Of that 2,233 square metres of indoor amenity space, a total of 897 square metres must be provided on site (186 square metres for buildings between 13-24-storeys and 372 square metres per building for 25-storeys and above), and the remainder can be provided through a cash-in-lieu contribution.
- The applicant is proposing 2,946 square metres of indoor amenity space located throughout the development, which exceeds the minimum requirement as outlined in the Bylaw.
- Indoor amenity areas are provided in each of the residential buildings on the ground floor and on podium and rooftops levels and are connected to the outdoor amenity areas.
- Phase 1, the southern two towers, are incorporating indoor amenity areas on the ground floor and in the podiums and towers on levels 6, 22, and on level 38 for a total of 2,183 square metres.
- Phase 2, the north tower, is incorporating indoor amenity areas on the ground floor and in the podium and tower on levels 11 and 25 for a total of 939 square metres.
- The indoor spaces vary in scale and are designed to provide for a wide range of activities and programming.
- The spaces will include games areas, fitness centres, gym and yoga spaces, children's activity areas, working and meeting rooms, and multi-purpose spaces and event areas.
- Indoor spaces are connected to outdoor amenity spaces with their complimentary programs and functions.

Outdoor Amenity

- Based upon the City's Zoning Bylaw requirement of 3 square metres per dwelling unit of outdoor amenity space, a total of 2,952 square metres of outdoor amenity space is required for the proposed development.
- The applicant is proposing 3,900 square metres of outdoor amenity space across the site, which exceeds the total outdoor amenity space required under the Zone.
- The outdoor amenity spaces on this site are unique, as they respond to and connect with the
 riparian area. A central courtyard is proposed in the central portion of the site that provides
 for a wide range of active and passive spaces for residents and a connection to the riparian
 pathway for the community. This plaza includes a mix of hard surface areas and trees and
 greenery.
- Large areas of green roof are proposed that will provide valuable habitat and food sources for nesting birds. In addition to habitat, the soft landscape areas will provide storm water benefits.
- Outdoor amenity spaces are proposed on podium and rooftop levels of all three residential towers, adjoining the indoor amenity areas. The spaces include an entertaining area off the amenity room, outdoor living rooms, sun deck, central lawn and an urban agriculture garden.

TREES

 D.Glyn Romaine, ISA Certified Arborist of VDZ+A 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	Existing	Remove	Retain
Alde	r and Cottonwood T	Trees	
Cottonwood	5	5	0
	Deciduous Trees		
Big Leaf Maple	2	2	0
	Coniferous Trees		
Douglas Fir	1	1	0
Western Red Cedar	1	1	0
Total (excluding Alder and Cottonwood Trees)	4	4	o
Additional Trees in the proposed Riparian Area	41	4	37
Total Replacement Trees Proposed (excluding Boulevard Street Trees)		72	

Total Retained and Replacement Trees Proposed	109
Estimated Contribution to the Green City Program	N/A

- The Arborist Assessment states that there are a total of 4 mature trees on the site, excluding Alder and Cottonwood trees. Five (5) existing trees, approximately 60% of the total trees on the site, are Cottonwood trees. The applicant proposes to retain no trees on the development site as part of this development proposal. The proposed tree retention was assessed taking into consideration the location of services, building footprints, road dedication and proposed lot grading.
- Table 1 includes an additional 41 protected trees that are located within the proposed riparian protection area. The trees within the proposed riparian area will be retained, except where removal is required due to hazardous conditions. 4 trees are currently proposed for removal and will be confirmed at a later time, in consultation with the Parks, Recreation and Culture Department.
- A detailed planting plan prepared by a Registered Professional Biologist (R.P. Bio.) and an associated P-15 agreement are required for the monitoring and maintenance of the proposed trees to be planted in the conveyed riparian area.
- For those trees that cannot be retained, the applicant will be required to plant trees on a 1 to 1 replacement ratio for Alder and Cottonwood trees that are outside the streamside protection area, and a 2 to 1 replacement ratio for all other trees, including Alder and Cottonwood that are within a streamside protection area. This will require a proposed total of 13 replacement trees on the site. The applicant is proposing 72 replacement trees, exceeding City requirements.
- In addition to the replacement trees, boulevard street trees will be planted on Bolivar Road and 112 Avenue. This will be determined by the Engineering Department during the servicing design review process.
- The new trees on the site will consist of a variety of trees including Paperbark Maple, Japanese Maple, Red Maple, Katsura Tree, Pink Star Magnolia, and Shore Pine.
- In summary, a total of 109 trees are proposed to be retained or replaced on the site with no contribution to the Green City Program.
- The proposed tree retention and replacement strategy will be refined as the applicant works through the detailed design process.

CITY ENERGY

- The subject site is located within Service Area B, as defined in the "City Centre District Energy System By-law" (see Appendix VIII for location). The District Energy System consists of three primary components:
 - o community energy centres, City-operated facilities that generate thermal energy for distribution through a piped hot water network;
 - o distribution piping that links the community energy centres with buildings connected to the system; and
 - City-owned energy transfer stations (ETS) located within the building connected to the system. The ETS transfers heat energy from the distribution system to the building's mechanical system, and is used to meter the amount of energy used.
- All new developments within Service Area B with a build-out density equal to or greater than a floor area ratio (FAR) of 1.0 will be required to provide hydronic thermal energy systems in support of the City's District Energy (DE) system including domestic hot water, make-up air units and in-suite hydronic space heating. The City is committed to having the DE system operational within the timeframe of this project. Therefore, the subject application will be required to connect to the City's DE system prior to occupancy.
- In order to avoid conflicts between the District Energy System and other utilities, the location of the ETS and related service connections are confirmed by Engineering and the applicant at the servicing agreement stage. The Engineering Department also requires the applicant to register a statutory right-of-way and Section 219 Restrictive Covenant over the subject site for the following purposes:
 - City access to, and maintenance and operation of, the ETS within the building and any infrastructure between the building and the property line; and
 - o to prevent conflicts with other utilities.
- Prior to the issuance of a building permit, the Engineering Department will confirm that the applicant has met the requirements of the "City Centre District Energy System By-law".

INFORMATION ATTACHED TO THIS REPORT

The following information is attached to this Report:

Appendix I. Proposed Subdivision Layout, 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. Development Variance Permit No. 7923-0234-00

Appendix VI. OCP Redesignation Map

Appendix VII. ADP Comments and Response

Appendix VIII. District Energy Map

approved by Ron Gill

Don Luymes General Manager

Planning and Development

IM/ar



Appendix I



Bolivar Mixed-Use Development

11151 Bolivar Road, 13340 112th Ave. & 13307 King George Boulevard, Surrey, BC

SUBMISSION TO COUNCIL APPLICATION No. 7923.0234.00

January 29, 2024

OVIDEO PROPERTIES LTD. 101-8310 310 STREET

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ELECTRICAL:

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170,204 SITE SMARE FEE 4.19 FAR RATO 713,682 GROSS AREA GROSS GUARE FEE

967 TOTAL UNITS PHASE 1&2
984 TOTAL STALLS PHASE 1&2
2,557 RETAIL
GROSS SQUARE FEET

7,543-7,655 TYPICAL FLOOR
±84-85% EFFICIENCY

RESIDENTIAL

		PH/	ASE 1		P	HASE 2
]	OWER 1	TOV	/ER 2	TC	OWER 3
	3,360	GROUND LEVEL SQUARE FEET (FAR)	9,643	GROUND LEVEL SQUARE FEET (FAR)	13,156	GROUND LEVEL SQUARE FEET (FAR)
+1	61,547	TOWER+PODIUM 7,543 PER FLOOR	298,460	TOWER+PODIUM 7,655 PER FLOOR	224,959	TOWER+PODIUM 7,593 PER FLOOR
1	64,907	TOTAL FAR AREA	308,103	TOTAL FAR AREA	238,115	TOTAL FAR AREA
4	-13,797	AMENITY T1 GROSS SQUARE FEET	9,853	AMENITY T2 GROSS SQUARE FEET	9,490	AMENITY T3 GROSS SQUARE FEET
	78,704	TOTAL GROSS AREA	317,956	TOTAL GROSS AREA	247,605	TOTAL GROSS AREA
	11	LEVELS GROUND & PODIUM FLOORS	11	LEVELS GROUND & PODIUM FLOORS	11	LEVELS GROUND & PODIUM FLOORS
	10	LEVELS - TOWER 1	26	LEVELS - TOWER 2	13	LEVELS - TOWER 3
	21	STOREY TOTAL	37	STOREY TOTAL	24	STOREY TOTAL
	214	UNITS T1	437	UNITS T2	316	UNITS T3
	144	PARKADE T1	411	PARKADE T2 STALLS	429	PARKADE T3 STALLS
	6	PARKING LEVELS	5	PARKING LEVELS	4	PARKING LEVELS



Project Development Data 11151 Bollvar Road, 13340 112 Avenue & 13307 King George Boulevard, Surrey Building Heights 74.45 m Tower 1: 21 Storey Residential Tower & 5 Storey Mixed Use Podium (Phase 1) Tower 2: 37 Storey Residential Tower & 6 storey Residential Podium 122.25 m 65,003 sq ft 6038.8 sq m 48,864 sq ft 4539.5 sq m Tower 3: 24 Storey Mixed Use Tower & 10 storey Residential Podium (Phase 2) Existing Lot 1 Existing Lot 2 В. Legal Description: Existing Lot 3 56,794 sq ft 5276.2 sq m Total Site Coverage Calculations Civic Address Existing Legal Existing 3 Lots Site Area Gross Site Area (Excl. Undevelo 142,910 sq ft 13276.3 sq m 27,751 sq ft Zoning Dedications 42.092 sq.ft 3910.3 sq.m 100,818 s q ft 9366.0 s q m let Site Area Current Zoning: CHI 63,371 s q ft 5887.2 s q m 37,447 s q ft 3478.8 s q m Proposed Zoning: CD Phase 2 Net Site Area Total Gross FAR 5.04 Proposed Setbacks: Dedication from Property Line Setback From Dedication Line Total FAR Area 720,146 sq ft 66903.7 sq n King Geome Blvd 0 m Total Net FAR Bolivar Road (King George Blvd. to 111A Ave) 1 m 4.5 m Tower 1 Building Footprint (King Geroge Blvd) Tower 2 Building Footprint (Bolivar Rd) Bolivar Road (111A Ave to 112 Ave.) 2.9 m 4.5 m 13,384 sq ft 1243.4 sq m 1.5 m 4.5 m 13,240 sq ft 1230.0 sq m Flex dedication from Top of Bank Fower 3 Building Footprint (112 Ave) 18,364 sq ft 1706.0 sq m D5 Bolivar Creek 1 m minimum 20 m (Including Loading Bays-Excluding Ramps. ot Coverage (Phase 1) 42.0% 49.0% Architectural Elements & ProjectedStructures Lot Coverage (Phase 2) Total Lot Coverage 44,988 sq ft 4179.4 sq m Total Percentage of Lot Coverage (Net) 44.6%

Total Floor Area Ratio (F.A.R.) Calculation:

	Commercial Area	Commercial FAR	Residential Area	Residential FAR	Total GFA	Total Gross FAR (Per Phase)	Total Net FAR - Full Site	Total Net FAR - Per Lot		
Tower 1	239.6 sq m	0.018	15243.2 sq m	1,148	15482.8 sq m					Г
TOWELL	2,579 sq ft	0.016	164,077 sq ft	1.140	166,656 sq ft	3.32	4.71	7.49	Phase 1	
Tower 2	0.0 sq m	0.00	28627.7 sq m	2.16	28627.7 sq m	3.32	4.71	7.49	Filase i	
TOWET 2	0 sqft	0.00	308,146 sq ft	2.10	308,146 sq ft					Г
Tower 3	0.0 sq m	0.00	22793.2 sq m	1.72	22793.2 sq m	1.72	2.43	6.55	Phase 2	
Tower 3	0 sq ft	0.00	245,344 sq ft	1.72	245,344 sq ft	1.72	2.43	0.00	Filase 2	
Total	239.6 sq m	0.018	66664.1 sq m	5.021	66903.7 sq m	5.04	7.		TOTAL	
i Otal	2,579 sq ft	0.016	717,567 sq ft	0.021	720,146 sq ft	0.04	/.	14	TOTAL	

NOTE: All floor areas are "Gross Floor Area" as defined by the Surrey Zoning Bylaw at the area of the floor enclosed by the outside edge of the exterior walls of a building, including without limitation stainupys, elevator shafts, storage rooms and mechanical rooms. For the purpose of Part 5 Off-Street Parking and Loading/Unloading only, gross floor area shall exclude vehicle parking and loading areas and bicycle storage areas within the building, stairveys and mechanical rooms

Commercial - Tower 1 (Phase 1) FAR Area per Total Gross Area (all Total FAR Area (all Area per Floor Total Area Common Area per Floor **Total Common Area** of Floor Floors) Floors) 239.6 sq r 0.0 sqn 239.6 sq 239.6 sq m 239.6 sq m L1 1 2.579 sq 2.579 sq ft 2.579 sq ft 2.579 sq ft 2.579 sq ft 239.6 sq m 239.6 sq m 0.0 sq m 0.0 sq m 239.6 sq m 239.6 sq m 239.6 sq m TOTAL 1 2.579 sq ft 2,579 sq ft 2.579 sq ft 2.579 sq ft 2.579 sq ft 0 sq ft

	1 (Phase	

Tower 1 (Phase 1)										
Level	Number of Floors	Unit Area per Floor	Total Unit Area	Common Area per Floor	Total Common Area	Amenity	Gross Area per Floor	FAR Area per Floor	Total Gross Area (all Floors)	Total FAR Area (all Floors)
L1	1	0.0 sq m ft pe 0	0.0 sq m 0 sq ft	312.2 sq m 3,360 sq ft	3,360 sq ft		7,885 sq ft	3,360 sq ft	7,885 sq ft	312.2 sq m 3,360 sq ft
L2	1	0.0 sq m 0 sq ft	0.0 sq m 0 sq ft	0 sq ft	0 sq ft	0 sq fl	0 sqft	0 sq ft	0 sq ft	0.0 sq m 0 sq ft
L3-5	3	947.1 sq m 10,194 sq ft	2841.2 sq m 30,582 sq ft			0.0 sq m 0 sq ft	12,131 sq ft	12,131 sq ft		3381.0 sq m 36,393 sq ft
L6	1	554.7 sq m 5,971 sq ft	554.7 sq m 5,971 sq ft	1,850 sq ft		314.4 sq m 3,384 sq fl		726.6 sq m 7,821 sq ft		726.6 sq m 7,821 sq ft
L7	1	736.9 sq m 7,932 sq ft	738.9 sq m 7,932 sq ft		139.5 sq m 1,502 sq ft			876.4 sq m 9,434 sq ft		876.4 sq m 9,434 sq ft
L8	1	668.3 sq m 7,194 sq ft	668.3 sq m 7,194 sq ft	136.8 sq m 1,472 sq ft				805.1 sq m 8,666 sq ft		805.1 sq m 8,666 sq ft
L9	1	644.9 sq m 6,942 sq ft	644.9 sq m 6,942 sq ft					752.1 sq m 8,096 sq ft		752.1 sq m 8,096 sq ft
L10	- 1	618.1 sq m 6,653 sq ft	618.1 sq m 6,653 sq ft	107.2 sq m 1,154 sq ft				725.3 sq m 7,807 sq ft		725.3 sq m 7,807 sq ft
L11	1	589.6 sq m 6,346 sq ft	589.6 sq m 6,346 sq ft							696.8 sq m 7,500 sq ft
L12-21	10	589.6 sq m 6,346 sq ft	5895.6 sq m 63,460 sq ft							6967.7 sq m 75,000 sq ft
L22 Amenity	1	m ps 0.0 ft ps 0	0.0 sq m 11 pa 0	0.0 sq m 0 sq ft	0.0 sq m 11 pa 0	533.2 sq m 5,739 sq fl				0.0 sq m 0 sq ft
TOTAL	21		12549.3 sq m 135,080 sq ft		2693.9 sq m 28,997 sq ft				16511.2 sq m 177,725 sq ft	15243.2 sq m 164,077 sq ft





Common Agree Comm											
1 1 1 1 1 1 1 1 1 1	Tower 2 (Phase 1)	Montes						C A	EAD Assessed	Total Casas Assa (all	Tatal FAD Assa (al
1	Level		Unit Area per Floor	Total Unit Area	Common Area per Floor	Total Common Area	Amenity				
12 1 278			520 5 sq m	520 5 s a m	366 3 sa m	366 3 cam	221 Q ca m				
12 1 1 100 Series	L1	1									
1											
1	L2	1									
1											
1.46 3 100.00 8 mm 100	L3	1	10.806 sq.ft								
1.64 1			1004 9 sq m								
1	L4-6	3			2.003 ea ft					38 460 eq #	
1		_									
1	L7	1									
1 1 1 1 1 1 1 1 1 1											
19 1 7764.49 m 1565.50 m 1	L8	1						0.740 0	0.740 == 0		
100 1 1 684 Sept 654 Sept 100 Sept 1 100 Sept 100 Sept 77 Sept											
Lio	L9	1									
L11 1 1 7048 sqt 1 7048 sqt 1 1286 sqt 1 1286 sqt 1 1286 sqt 1 1286 sqt 1 0.00 sqt 1 1286 sqt 1 128											
L11 1 6047 Acm 6047 Acm 6047 Acm 1 605 Seq m 1 1005 Seq m	L10	1									
1.13237 26 66.07 sqn 1.1569.24 1.169.25 1.1											
L1237 20 6.50 sq st 169.23 sq st 1.66 sq st 1	L11	1									
1.17.53 70 8.500 sqs 100.224 sq 1.146 sqs 2.796 sqs 0.545 7.655 sqs 7.655 sqs 10.000 sqs 1.00.000 sqs											
138 Amenity	L12-37	26									
Common Area per Floor Total Unit Area per Floor Tota	2.20										
TOTAL 37 2345 9 pt	I 38 Amenity	1									
Tower 3 (Phase 2) Tower 4 (Phase 2) Tow	230 Amenity		0 sq ft		0 sq ft			5,201 sq ft	0 sqft		
Towar 3 (Phase 2) Number Unit Area per Floor Total Unit Area Common Area per Floor Total Common Area Amenity Gross Area per Floor Floors	TOTAL	37				4681.8 sq m	915.3 sq m				
Level Number Ont Area per Floor Ont	IOIAL	5,		257,752 sq ft		50,394 sq ft	9,852 sq ft			317,998 sq ft	308,146 sq ft
Level Number of of											
Level Number of off											
Level	Tower 3 (Phase 2)										
1 1 1 1 1 1 1 1 1 1	Lovel	Number	Unit Area per Floor	Total Unit Area	Common Area per Floor	Total Common Area	Amonity		FAR Area per	Total Gross Area (all	Total FAR Area (a
L1 1 10.219s.qt 10.219s.qt 1.2029s.qt 1.2029	Level	of	Onit Area per rioor	Total Olitzacu	Continuit Area per Frooi	Total Collinol Acu	Ancinty	Floor	Floor	Floors)	Floors)
1	14		949.4 sq m	949.4 sq m	426.0 sq m	426.0 sq m	208.8 sq m	1584.2 sq m	1375.3 sq m	1584.2 sq m	1375.3 sq m
1	LI		10,219 sq ft	10,219 sq ft	4,585 sq ft	4,585 sq ft	2,248 sq ft	17,052 sq ft	14,804 sq ft	17,052 sq ft	14,804 sq ft
13.4 2	10		940.1 sq m	940.1 sq m	189.3 sq m	189.3 sq m	0.0 sq m	1129.4 sq m	1129.4 sq m	1129.4 sq m	1129.4 sq m
L54	L	1	10,119 sq ft	10,119 sq ft	2.038 sq ft	2,038 sq ft	0 sq ft	12,157 sq ft	12,157 sq ft	12,157 sq ft	12,157 sq ft
L54			1474.6 sq m	2949.3 sa m	250.3 sq m	500.6 sq m	0.0 sa m	1724.9 sq m	1724.9 sq m	3449.9 sg m	3449.9 sq m
L5-6 2	L3-4	2									
Line											
L7-8 2 9687 sqm 1937 4 sqm 1955 sqm 393.0 sqm 0.0 sqm 0.0 sqm 1165 2 sqm 2330.4 sqm 233	L5-6	2									
Li-19 2											
L9-10 2 762 sqm 15305 sqm 1467 sqm 2913 sqm 0.9 sqm 910 sqm 1621 8 sqm 1621											
1.00	L7-8	2									
L11 1 544.4 sqm 5.860 sqh 5.860 sqh 12.7 sqm 12.7 sqm 48.4 sqm 705.5 sqm 657.1 sqm 770.5 sqm 657.1 sqm 770.7 sqh 12.7 sq			10,427 sq ft	20,854 sq ft	2,115 sq ft	4,230 sq ft	0 sq ft	12,542 sq ft	12,542 sq ft	25,084 sq ft	25,084 sq ft
1			10,427 sq ft 765.2 sq m	20,854 sq ft 1530.5 sq m	2,115 sq ft 145.7 sq m	4,230 sq ft 291.3 sq m	0 sq ft 0.0 sq m	12,542 sq ft 910.9 sq m	12,542 sq ft 910.9 sq m	25,084 sq ft 1821.8 sq m	25,084 sq ft 1821.8 sq m
L12-24 13 S92-54 m R.378 sept R.2914 sept R.2924 sept R.29			10,427 sq ft 765.2 sq m 8,237 sq ft	20,854 sq ft 1530.5 sq m 16,474 sq ft	2,115 sq ft 145.7 sq m 1,568 sq ft	4,230 sq ft 291.3 sq m 3,136 sq ft	0 sq ft 0.0 sq m 0 sq ft	12,542 sq ft 910.9 sq m 9,805 sq ft	12,542 sq ft 910.9 sq m 9,805 sq ft	25,084 sq ft 1821.8 sq m 19,610 sq ft	25,084 sq ft 1821.8 sq m 19,610 sq ft
Licke 13 8,378 sq ft 82,914 sq ft 1,258 q ft	L9-10	2	10,427 sq ft 765.2 sq m 8,237 sq ft 544.4 sq m	20,854 sq ft 1530.5 sq m 16,474 sq ft 544.4 sq m	2,115 sq ft 145.7 sq m 1,568 sq ft 112.7 sq m	4,230 sq ft 291.3 sq m 3,136 sq ft 112.7 sq m	0 sq ft 0.0 sq m 0 sq ft 48.4 sq m	12,542 sq ft 910.9 sq m 9,805 sq ft 705.5 sq m	12,542 sq ft 910.9 sq m 9,805 sq ft 657.1 sq m	25,084 sq ft 1821.8 sq m 19,610 sq ft 705.5 sq m	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m
1 0.54 0.5	L9-10	2	10,427 sq ft 765.2 sq m 8,237 sq ft 544.4 sq m 5,860 sq ft	20,854 sq ft 1530.5 sq m 16,474 sq ft 544.4 sq m 5,860 sq ft	2,115 sq ft 145.7 sq m 1,568 sq ft 112.7 sq m 1,213 sq ft	4,230 sq ft 291.3 sq m 3,136 sq ft 112.7 sq m 1,213 sq ft	0 sq ft 0.0 sq m 0 sq ft 48.4 sq m 521 sq ft	12,542 sq ft 910.9 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft	12,542 sq ft 910.9 sq m 9,805 sq ft 657.1 sq m 7,073 sq ft	25,084 sq ft 1821.8 sq m 19,610 sq ft 705.5 sq m 7,594 sq ft	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft
Company Comp	L9-10 L11	2	10,427 sq ft 765.2 sq m 8,237 sq ft 544.4 sq m 5,860 sq ft 592.5 sq m	20,854 sq ft 1530.5 sq m 16,474 sq ft 544.4 sq m 5,860 sq ft 7703.0 sq m	2,115 sq ft 145.7 sq m 1,568 sq ft 112.7 sq m 1,213 sq ft 113.0 sq m	4,230 sq ft 291.3 sq m 3,136 sq ft 112.7 sq m 1,213 sq ft 1468.6 sq m	0 sq ft 0.0 sq m 0 sq ft 48.4 sq m 521 sq ft 0.0 sq m	12,542 sq ft 910.9 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m	12,542 sq ft 910.9 sq m 9,805 sq ft 657.1 sq m 7,073 sq ft 705.5 sq m	25,084 sq ft 1821.8 sq m 19,610 sq ft 705.5 sq m 7,594 sq ft 9171.6 sq m	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m
TOTAL 24 9992.5 sq m 205.356 sq ft 205.356 s	L9-10 L11	2	10,427 sq ft 765.2 sq m 8,237 sq ft 544.4 sq m 5,860 sq ft 592.5 sq m 6,378 sq ft	20,854 sq ft 1530.5 sq m 16,474 sq ft 544.4 sq m 5,860 sq ft 7703.0 sq m 82,914 sq ft	2,115 sq ft 145.7 sq m 1,568 sq ft 112.7 sq m 1,213 sq ft 113.0 sq m 1,216 sq ft	4,230 sq ft 291.3 sq m 3,136 sq ft 112.7 sq m 1,213 sq ft 1468.6 sq m 15,808 sq ft	0 sq ft 0.0 sq m 0 sq ft 48.4 sq m 521 sq ft 0.0 sq m 0 sq ft	12,542 sq ft 910.9 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft	12,542 sq ft 910.9 sq m 9,805 sq ft 657.1 sq m 7,073 sq ft 705.5 sq m 7,594 sq ft	25,084 sq ft 1821.8 sq m 19,610 sq ft 705.5 sq m 7,594 sq ft 9171.6 sq m 98,722 sq ft	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft
Tower 1 (Phase 1) Number of fictors	L9-10 L11 L12-24	2 1 13	10, 427 sq ft 765 2 sq m 8, 227 sq ft 544.4 sq m 5,880 sq ft 592.5 sq m 6,378 sq ft 0,0 sq m	20,854 sq ft 1530.5 sq m 16,474 sq m 544.4 sq m 5,860 sq ft 7703.0 sq m 82,914 sq ft 0.0 sq m	2,115 sq ft 145,7 sq m 1,568 sq m 1,158 sq m 1,213 sq ft 113,0 sq m 1,216 sq m 0,0 sq m	4,230 sq ft 291.3 sq m 3,136 sq ft 112.7 sq m 1,213 sq ft 1468.6 sq m 15,808 sq ft 0.0 sq m	0 sq ft 0.0 sq m 0 sq ft 48.4 sq m 521 sq ft 0.0 sq m 0 sq ft 0.0 sq m	12,542 sq ft 910.9 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m	12,542 sq ft 910.9 sq m 9,805 sq ft 657.1 sq m 7,073 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m	25,084 sq ft 1821.8 sq m 19,610 sq ft 705.5 sq m 7,594 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m
August A	L9-10 L11 L12-24	2 1 13	10, 427 sq ft 765 2 sq m 8, 227 sq ft 544.4 sq m 5,880 sq ft 592.5 sq m 6,378 sq ft 0,0 sq m	20,854 sq ft 1530.5 sq m 16,474 sq ft 544.4 sq m 5,860 sq ft 7703.0 sq m 82,914 sq ft 0.0 sq m	2,115 sq ft 145,7 sq m 1,568 sq m 1,158 sq m 1,213 sq ft 113,0 sq m 1,216 sq m 0,0 sq m	4,230 sq ft 291.3 sq m 3,136 sq ft 112.7 sq m 1,213 sq ft 1468.6 sq m 15,808 sq ft 0.0 sq m 0 sq ft	0 sq ft 0.0 sq m 0 sq ft 48.4 sq m 521 sq ft 0.0 sq m 0 sq ft 0.0 sq m 5,450 sq ft	12,542 sq ft 910.9 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m	12,542 sq ft 910.9 sq m 9,805 sq ft 657.1 sq m 7,073 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m	25,084 sq ft 1821.8 sq m 19,610 sq ft 705.5 sq m 7,594 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 5,450 sq ft	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft
Number of floors	L9-10 L11 L12-24 L25 Amenity	2 1 13 1	10, 427 sq ft 765 2 sq m 8, 227 sq ft 544.4 sq m 5,880 sq ft 592.5 sq m 6,378 sq ft 0,0 sq m	20,854 sq ft 1530.5 sq m 16,474 sq ft 5,480 sq ft 7703.0 sq m 82,914 sq ft 0.0 sq m 9592.4 sq m	2,115 sq ft 145,7 sq m 1,568 sq m 1,158 sq m 1,213 sq ft 113,0 sq m 1,216 sq m 0,0 sq m	4,230 sq ft 291.3 sq m 3,136 sq ft 112.7 sq m 1,213 sq ft 1468.6 sq m 15,808 sq ft 0,0 sq m 0 sq ft 2083.9 sq m	0 sq ft 0.0 sq m 0 sq ft 48.4 sq m 521 sq ft 0.0 sq m 0.0 sq m 5.450 sq ft 257.2 sq m	12,542 sq ft 910.9 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m	12,542 sq ft 910.9 sq m 9,805 sq ft 657.1 sq m 7,073 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m	25,084 sq ft 1821.8 sq m 19,610 sq ft 705.5 sq m 7,594 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 5,450 sq ft 11885.2 sq m	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
Number of floors	L9-10 L11 L12-24 L25 Amenity	2 1 13 1	10, 427 sq ft 765 2 sq m 8, 227 sq ft 544.4 sq m 5,880 sq ft 592.5 sq m 6,378 sq ft 0,0 sq m	20,854 sq ft 1530.5 sq m 16,474 sq ft 5,480 sq ft 7703.0 sq m 82,914 sq ft 0.0 sq m 9592.4 sq m	2,115 sq ft 145,7 sq m 1,568 sq m 1,158 sq m 1,213 sq ft 113,0 sq m 1,216 sq m 0,0 sq m	4,230 sq ft 291.3 sq m 3,136 sq ft 112.7 sq m 1,213 sq ft 1468.6 sq m 15,808 sq ft 0,0 sq m 0 sq ft 2083.9 sq m	0 sq ft 0.0 sq m 0 sq ft 48.4 sq m 521 sq ft 0.0 sq m 0.0 sq m 5.450 sq ft 257.2 sq m	12,542 sq ft 910.9 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m	12,542 sq ft 910.9 sq m 9,805 sq ft 657.1 sq m 7,073 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m	25,084 sq ft 1821.8 sq m 19,610 sq ft 705.5 sq m 7,594 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 5,450 sq ft 11885.2 sq m	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
Tower I (Phase 1) of floors - (442-546 sq ft) (502-681 sq ft) (642-620 sq ft) (644-640 sq ft) - (653-681 sq ft) (644-640 sq ft) - (653-681 sq ft) (644-640 sq ft) - (653-681 s	L9-10 L11 L12-24 L25 Amenity TOTAL	2 1 13 1	10, 427 sq ft 765 2 sq m 8, 227 sq ft 544.4 sq m 5,880 sq ft 592.5 sq m 6,378 sq ft 0,0 sq m	20,854 sq ft 1530.5 sq m 16,474 sq ft 5,480 sq ft 7703.0 sq m 82,914 sq ft 0.0 sq m 9592.4 sq m	2,115 sq ft 145,7 sq m 1,568 sq m 1,158 sq m 1,213 sq ft 113,0 sq m 1,216 sq m 0,0 sq m	4,230 sq ft 291.3 sq m 3,136 sq ft 112.7 sq m 1,213 sq ft 1468.6 sq m 15,808 sq ft 0,0 sq m 0 sq ft 2083.9 sq m	0 sq ft 0.0 sq m 0 sq ft 48.4 sq m 521 sq ft 0.0 sq m 0.0 sq m 5.450 sq ft 257.2 sq m	12,542 sq ft 910.9 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m	12,542 sq ft 910.9 sq m 9,805 sq ft 657.1 sq m 7,073 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m	25,084 sq ft 1821.8 sq m 19,610 sq ft 705.5 sq m 7,594 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 5,450 sq ft 11885.2 sq m	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
Tower (Phase 1) Of floors (442-648 ast ft)	L9-10 L11 L12-24 L25 Amenity TOTAL	2 1 13 1	10.427 sq ft 765.2 sq m 8.237 sq ft 5544.4 sq m 5.860 sq ft 5542.5 sq m 6.378 sq ft 0.0 sq m 0 sq ft	20,854 sq ft 1530.5 sq m 16,474 sq ft 544.4 sq m 5,860 sq ft 7703.0 sq m 82,914 sq ft 0.0 sq ft 9592.4 sq m 204,336 sq ft	2.115 sq ft 145.7 sq m 1.588 sq ft 112.7 sq m 1.213 sq ft 113.0 sq m 1.216 sq ft 0.0 sq m	4 230 s q ft 291.3 s q m 3,136 s q ft 112.7 s q m 1,213 s q ft 1488 6 s q m 15.806 s q ft 0.0 s q m 0.5 q ft 148.0 s q ft 148.0 s q ft 148.0 s q ft 149.0 s q ft 140.00 s q ft 140.00 s q ft 140.00 s q ft 140.00 s q ft 150.00 s q ft 140.00 s q ft 150.00 s q ft 140.00 s q ft 150.00 s	0 sq ft 0.0 sq m 0 sq ft 48.4 sq m 521 sq ft 0.0 sq m 0 sq ft 0.0 sq m 8,459 sq ft	12,542 sq ft 910.9 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m	12,542 sq ft 910.9 sq m 9,805 sq ft 657.1 sq m 7,073 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m	25,084 sq ft 1821.8 sq m 19,610 sq ft 705.5 sq m 7,594 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 5,450 sq ft 11885.2 sq m	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
Company Comp	L9-10 L11 L12-24 L25 Amenity TOTAL ential Unit Counts	2 1 13 1 1 24	10.427 sq ft 765.2 sq m 8.237 sq ft 5544.4 sq m 5.860 sq ft 5542.5 sq m 6.378 sq ft 0.0 sq m 0 sq ft	20,854 sq ft 1530.5 sq m 16,474 sq ft 544.4 sq m 5,860 sq ft 7703.0 sq m 82,914 sq ft 0.0 sq ft 9592.4 sq m 204,336 sq ft	2.115 sq ft 145.7 sq m 1.588 sq ft 112.7 sq m 1.213 sq ft 113.0 sq m 1.216 sq ft 0.0 sq m	4 230 s q ft 291.3 s q m 3,136 s q ft 112.7 s q m 1,213 s q ft 1488 6 s q m 15.806 s q ft 0.0 s q m 0.5 q ft 148.0 s q ft 148.0 s q ft 148.0 s q ft 149.0 s q ft 140.00 s q ft 140.00 s q ft 140.00 s q ft 140.00 s q ft 150.00 s q ft 140.00 s q ft 150.00 s q ft 140.00 s q ft 150.00 s	0 sq ft 0.0 sq m 0 sq ft 48.4 sq m 521 sq ft 0.0 sq m 0 sq ft 0.0 sq m 8,459 sq ft	12,542 sq ft 910.9 sq nt 9,805 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m 5,450 sq ft	12,542 sq ft 910.9 sq n 9,805 sq ft 657.1 sq m 7,073 sq ft 705.5 sq m 7,594 sq n 0,0 sq ft	25.084 sq ft 1821 8 sq m 19,610 sq ft 705.5 sq m 7,594 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 5,459 sq ft 11885.2 sq m 253,563 sq ft	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
L2 1 0 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 1 1 0 0 0 0 0 1 1 0 0 0 0 0 1 1 0	L9-10 L11 L12-24 L25 Amenity TOTAL ential Unit Counts	2 1 1 13 1 1 24 Number	10.427 sq ft 765.2 sq m 8.237 sq ft 5544.4 sq m 5.860 sq ft 552.5 sq m 6.378 sq ft 0.0 sq m 0 sq ft	20.884 sq ft 1530.5 sq m 16.474 sq ft 5.484 sq m 7703.0 sq m 82.914 sq ft 00 sq ft 204.336 sq ft	2.115s.qd 1467.sqm 1.688.sqt 1.123.sqt 1.23.sqt 1130.sqt 0.05qm 0.5qt	4 230 s q ft 291.3 s q m 3,138 s q ft 112.7 s q m 1,213 s q ft 1488.6 s q m 15.808 s q ft 0.0 s q m 0.5 q m 41,008 s q ft 1203.9 s q ft 1	0 sq ft 0.0 sq m 0 sq ft 48.4 sq m 521 sq ft 0.0 sq m 0 sq ft 257.2 sq ft 257.2 sq ft 257.2 sq ft	12,542 sq ft 91.93 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m 5,450 sq ft	12.542 sq ft 910.9 sq m 9.805 sq ft 657.1 sq m 7.073 sq ft 705.5 sq m 7.594 sq ft 0.0 sq ft 3 Bed + Den	25.084 sq ft 1821 8 sq m 19,610 sq ft 705.5 sq m 7,594 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 5,459 sq ft 11885.2 sq m 253,563 sq ft	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
1	L9-10 L11 L12-24 L25 Amenity TOTAL	2 1 1 13 1 1 24 Number	10.427 sq ft 765.2 sq m 8.237 sq ft 5544.4 sq m 5.860 sq ft 552.5 sq m 6.378 sq ft 0.0 sq m 0 sq ft	20.884 sq ft 1530.5 sq m 16.474 sq ft 5.484 sq m 7703.0 sq m 82.914 sq ft 00 sq ft 204.336 sq ft	2.115s.qd 1467.sqm 1.688.sqt 1.123.sqt 1.23.sqt 1130.sqt 0.05qm 0.5qt	4 230 s q ft 291.3 s q m 3,138 s q ft 112.7 s q m 1,213 s q ft 1488.6 s q m 15.808 s q ft 0.0 s q m 0.5 q m 41,008 s q ft 1203.9 s q ft 1	0 sq ft 0.0 sq m 0 sq ft 48.4 sq m 521 sq ft 0.0 sq m 0 sq ft 257.2 sq ft 257.2 sq ft 257.2 sq ft	12,542 sq ft 91.93 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m 5,450 sq ft	12.542 sq ft 910.9 sq m 9.805 sq ft 657.1 sq m 7.073 sq ft 705.5 sq m 7.594 sq ft 0.0 sq ft 3 Bed + Den	25.084 sq ft 1821 8 sq m 19,610 sq ft 705.5 sq m 7,594 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 5,459 sq ft 11885.2 sq m 253,563 sq ft	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
L3-5 3 8 5 3 1 51 L6 1 5 2 2 1 10 L7 1 5 2 3 2 12 L8 1 4 2 3 2 11 L9 1 3 2 3 0 2 10 L10 1 3 3 2 2 2 10 L10 1 3 3 3 1 10 10 L1221 10 3 3 3 1 100 10<	L9-10 L11 L12-24 L25 Amenity TOTAL ential Unit Counts Tower 1 (Phase 1)	2 1 1 13 1 1 24 Number of floors	10.427 sq ft 765.2 sq m 8.237 sq ft 5544.4 sq m 5.860 sq ft 552.5 sq m 6.378 sq ft 0.0 sq m 0 sq ft	20.884 sq ft 1530.5 sq m 16.474 sq ft 5.484 sq m 7703.0 sq m 82.914 sq ft 00 sq ft 204.336 sq ft	2.115s.qd 1467.sqm 1.688.sqt 1.123.sqt 1.23.sqt 1130.sqt 0.05qm 0.5qt	4 230 s q ft 291.3 s q m 3,138 s q ft 112.7 s q m 1,213 s q ft 1488.6 s q m 15.808 s q ft 0.0 s q m 0.5 q m 41,008 s q ft 1203.9 s q ft 1	0 sq ft 0.0 sq m 0 sq ft 48.4 sq m 521 sq ft 0.0 sq m 0 sq ft 257.2 sq ft 257.2 sq ft 257.2 sq ft	12,542 sq ft 91.93 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m 5,450 sq ft	12.542 sq ft 910.9 sq m 9.805 sq ft 657.1 sq m 7.073 sq ft 705.5 sq m 7.594 sq ft 0.0 sq ft 3 Bed + Den	25.084 sq ft 1821 8 sq m 19.610 sq ft 705.5 sq m 7.565 sq m 97.71.0 sq m 98.772.2 sq ft 0.0 sq m 5.450 sq ft 1885.2 sq m 253,563 sq ft 70tal	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
LS	L9-10 L11 L12-24 L25 Amenity TOTAL ential Unit Counts Tower 1 (Phase 1)	2 1 1 13 1 1 24 Number of floors 1	10.427 sq ft 765.2 sq m 8.237 sq ft 5544.4 sq m 5.860 sq ft 552.5 sq m 6.378 sq ft 0.0 sq m 0 sq ft	20.884 sq ft 1530.5 sq m 16.474 sq ft 5.484 sq m 7703.0 sq m 82.914 sq ft 00 sq ft 204.336 sq ft	2.115s.qd 1467.sqm 1.688.sqt 1.123.sqt 1.23.sqt 1130.sqt 0.05qm 0.5qt	4 230 s q ft 291.3 s q m 3,138 s q ft 112.7 s q m 1,213 s q ft 1488.6 s q m 15.808 s q ft 0.0 s q m 0.5 q m 41,008 s q ft 1203.9 s q ft 1	0 sq ft 0.0 sq m 0 sq ft 48.4 sq m 521 sq ft 0.0 sq m 0 sq ft 257.2 sq ft 257.2 sq ft 257.2 sq ft	12,542 sq ft 91.93 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m 5,450 sq ft	12.542 sq ft 910.9 sq m 9.805 sq ft 657.1 sq m 7.073 sq ft 705.5 sq m 7.594 sq ft 0.0 sq ft 3 Bed + Den	25.084 sq ft 1821 8 sq m 19.610 sq ft 705.5 sq m 7,594 sq ft 91716 8 sq m 98.722 sq ft 0.0 sq m 5.450 sq ft 11885.2 sq m 75tal	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
1	L9-10 L11 L12-24 L25 Amenity TOTAL ential Unit Counts Tower 1 (Phase 1) L1 L2	2 1 1 13 1 1 24 Number of floors 1 1 1	10.427 sq ft 765.2 sq m 8.237 sq ft 5544.4 sq m 5.860 sq ft 552.5 sq m 6.378 sq ft 0.0 sq m 0 sq ft	20.854 og ft 1530.5 sq m 16.474 sq ft 544.4 sq m 5.860 og ft 7703.0 sq m 82.914 sq ft 0 sq ft 992.4 sq m 204.336 sq ft	2.1155.ed 1467.5cm 1.659.ed 1477.5cm 1.659.ed 1127.5cm 1.213.ed 1130.5cm	4 230 s q ft 291.3 s q m 3,136 s q ft 112.7 s q m 1,213 s q ft 1468.6 s q m 1,5808 s q ft 0.0 s q m 0.3 q ft 203.3 s q m 41,008 s q ft 2 Bed (742.829 s q ft)	0 sq ft 0.0 sq m 0 sq ft 48.4 sq m 521 sq ft 0.0 sq m 0 sq ft 257.2 sq ft 257.2 sq ft 257.2 sq ft	12,542 sq ft 91.93 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m 5,450 sq ft	12.542 sq ft 910.9 sq m 9.805 sq ft 657.1 sq m 7.073 sq ft 705.5 sq m 7.594 sq ft 0.0 sq ft 3 Bed + Den	25.084 sq ft 1821 8 sq m 19,610 sq ft 705.5 sq m 7,594 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 5,450 sq ft 11885.2 sq m 253,563 sq ft	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
LB	L9-10 L11 L12-24 L25 Amenity TOTAL ential Unit Counts Tower 1 (Phase 1) L1 L2 L3-5	2 1 1 13 1 1 24 Number of floors 1 1 1 3 3 3	10.427 sq ft 765.2 sq m 8.237 sq ft 5544.4 sq m 5.860 sq ft 552.5 sq m 6.378 sq ft 0.0 sq m 0 sq ft	20.884 or ft 1530.5 sq m 16.474 sq ft 1530.5 sq m 16.474 sq ft 544.4 sq m 5.800 or ft 7730.5 sq m 62.214 sq m 62.214 sq m 20.438 sq ft 1 Bed (442.548 sq ft) 1 Bed (442.548 sq ft) 8	2.1155.qt 1467.5qm 1.658.5qt 1477.5qm 1.658.5qt 1127.5qm 1.213.5qt 1130.5qm 1.213.5qt 130.5qm 0.5qt 1475.5qt	4 239 sq ti 2913 sq m 3,198 sq ti 112 sq m 1,213 sq ti 1,218 sq ti	0 sq ft	12,542 sq ft 91.93 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m 5,450 sq ft	12.542 sq ft 910.9 sq m 9.805 sq ft 657.1 sq m 7.073 sq ft 705.5 sq m 7.594 sq ft 0.0 sq ft 3 Bed + Den	25,084 sq ft 18218 sq m 19,610 sq ft 705.5 sq m 7,594 sq ft 91710 sq m 98,722 sq ft 0,554 m 11885.2 sq m 253,563 sq ft 100 q 0 q 0 q 0 q 0 q 0 q 0 q 0 q 0 q 0	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
1	L9-10 L11 L12-24 L25 Amenity TOTAL ential Unit Counts Tower 1 (Phase 1) L1 L2 L3-5 L6	2 1 1 13 1 1 24 Number of floors 1 1 1 3 3 1 1	10.427 sq ft 765.2 sq m 8.237 sq ft 5544.4 sq m 5.860 sq ft 552.5 sq m 6.378 sq ft 0.0 sq m 0 sq ft	20.854 og ft 1530.5 sq m 16.474 sq ft 544.4 sq m 5.860 og ft 0.0 sq m 0.0 sq m 204.336 sq ft 1 Bed (442.548 sq ft)	2.1155 eq.f. 1467 sq.m 1.658 sq.f. 1127 sq.m 1.213 sq.f. 1130 sq.m 1.213 sq.f. 0.0 sq.ft 1 Bed + Den (663-681 sq.ft)	4,200 sq. 4 2013 sq.m 3,195 sq.m 1,275 sq.m 1,275 sq.m 1,275 sq.m 1,5808 sq.m 0,0 sq.m 2,003 sq.m 4,1008 sq.m 4,1008 sq.m 2,283,58 sq.m 4,1008 sq.m 7,42,429 sq.m 3,3	0 sq ft	12,542 sq ft 91.93 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m 5,450 sq ft	12.542 sq ft 910.9 sq m 9.805 sq ft 657.1 sq m 7.073 sq ft 705.5 sq m 7.594 sq ft 0.0 sq ft 3 Bed + Den	25,084 sq ft 1821 8 sq m 19,610 sq ft 1821 8 sq m 19,610 sq ft 705 5 sq m 7,594 sq ft 1917 6 sq m 98,722 sq ft 1917 6 sq m 98,722 sq ft 1917 6 sq m 98,722 sq ft 1917 5 sq m 195,725 sq m 253,593 sq ft 1985,2 sq m 253,593 sq ft 1985,2 sq m 253,593 sq ft 195,593 sq ft 19	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
L10 1 3 3 3 2 2 2 10.0 L11 1 3 3 3 3 1 10.0 L12-21 10 3 3 3 3 1 10.0 L12-22 1 10 3 3 3 3 1 10.0 L12-23 In	L9-10 L11 L12-24 L25 Amenity TOTAL ential Unit Counts Tower 1 (Phase 1) L1 L2 L3-5 L6 L7	2 1 1 13 1 1 24 Number of floors 1 1 1 1 3 1 1 1 1 1 1	10.427 sq ft 765.2 sq m 8.237 sq ft 5544.4 sq m 5.860 sq ft 552.5 sq m 6.378 sq ft 0.0 sq m 0 sq ft	20.884 of ft 1530.5 sq m 16.474 sq ft 1530.5 sq m 16.474 sq ft 54.4 sq m 5.800 sq ft 7730.5 sq m 62.214 sq ft 0.0 sq ft 19.500 sq ft 20.4 sq ft 20.4 sq ft 20.436 sq ft 1 Bed (442.546 sq ft) 8 5 5 5	2.1155 qd 1 1467 sq m 1.688 sq t 1127 sq m 1.213 qd 1 1130 sq m 1.213 qd 1 0.0 sq m 0 sq n 5 sq n 1 Bed + Den (653 661 sq n)	4 4290 sq 4 2013 sq m 3,139 sq 1 1127 sq m 1,213 sq 1 1,213 sq 1 1,213 sq 1 1,213 sq 1 1,210 sq 1 1,210 sq 1 1,005 sq 1	0 sq ft	12,542 sq ft 91.93 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m 5,450 sq ft	12.542 sq ft 910.9 sq m 9.805 sq ft 657.1 sq m 7.073 sq ft 705.5 sq m 7.594 sq ft 0.0 sq ft 3 Bed + Den	25,064 s q ft 1821 8 s q m 19610 s q ft 1821 8 s q m 19610 s q ft 705 5 q m 7594 s q ft 1971 6 s q m 98 722 s q ft 1971 6 s q m 98 722 s q ft 1971 6 s q m 98 722 s q ft 1985,2 s q m 253,563 s q ft 1985,3 s q ft 1	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
L11 1 3 3 1 10 L12-21 10 3 3 3 1 100 L22 Amenity 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 2 2 2 1 0	LB-10 L11 L12-24 L25 Amenity TOTAL ential Unit Counts Tower 1 (Phase 1) L1 L2 L3-5 L6 L7 L8	2 1 1 13 1 1 24 Number of floors 1 1 1 1 3 3 1 1 1 1 1 1 1	10.427 sq ft 765.2 sq m 8.237 sq ft 5544.4 sq m 5.860 sq ft 552.5 sq m 6.378 sq ft 0.0 sq m 0 sq ft	20.864 on ft 1530.5 sq m 16.474 sq ft 1530.5 sq m 16.474 sq ft 544.4 sq m 5.860 sq ft 0.703.0 sq m 82.914 sq ft 0.0 sq m 20.43.36 sq ft 18ed (442.548 sq ft) 18ed (442.548 sq ft) 8	2.1155 eq. 1 1467.5 qm 1.658 eq. 1 1127.5 qm 1.213 eq. 1 1130.5 qm 1.213 eq. 1 0.0 sq. m 0.0 sq. m 0.5 qf. 1 5 qc. 1 5	4,200 sq. 4 2013 sq.m 3,195 sq.m 1,275 sq.m	0 sq ft	12,542 sq ft 91.93 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m 5,450 sq ft	12.542 sq ft 91.05 sq ft 91.05 sq ft 98.05 sq ft 0.57 1 sq ft 70.73 sq ft 70.75 sq ft 0.0 sq ft 0.0 sq ft 3 Bed + Den (993-1018 sq ft)	25,064 s q ft 1821 8 s qm 19,610 s q ft 1821 8 s qm 19,610 s q ft 705 5 s q m 7,594 s q ft 1917 6 s q m 98,722 s q ft 1917 6 s q m 98,722 s q ft 1917 6 s q m 98,722 s q ft 1917 6 s q m 98,722 s q ft 1917 6 s q m 195,553 s q ft 1918 52 s q q m 253,563 s q ft 1918 52 s q m 19,545 s q ft 1918 52 s q m 19,545 s q ft 1918 52 s q m 19,545 s q ft 1918 52 s q m 19,545 s q ft 1918 52 s q m 19,545 s q ft 1918 52 s q m 19,545 s q ft 1918 52 s q m 19,545 s q ft 1918 52 s q ft 19	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
L12-21 10 3 3 1 100 L22 Amently 1 0 0 0 Total 21 0 77 59 55 21 0 2 214 Distribution 0.0% 36.0% 27.7% 25.7% 5.8% 0.0% 0.9% 100.0%	L9-10 L11 L12-24 L25 Amenity TOTAL ential Unit Counts Tower 1 (Phase 1) L1 L2 L3-5 L6 L7 L8 L9	2 1 1 13 1 24 Number of floors 1 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10.427 sq ft 765.2 sq m 8.237 sq ft 5544.4 sq m 5.860 sq ft 552.5 sq m 6.378 sq ft 0.0 sq m 0 sq ft	20.884 or ft 1530.5 sq m 16.474 or ft 1530.5 sq m 16.474 or ft 154.474 or ft 15.48 or ft 15.48 or ft 15.48 or ft 1770.3 sq m 62.24 sq m 62.24 sq m 204.336 sq ft 18ed (442.548 sq ft) 18ed 64.42.548 sq ft 15.55 or ft 15.	2.1155.qt 1145.7 sq m 1.658.qt 1147.7 sq m 1.658.qt 1127.7 sq m 1.273.qt 1130.8 sq m 1.273.qt 130.8 sq m 0.5 sq t 18ed + Den (653.687 sq t) 15ed + Den (553.687 sq t) 15ed + Den 15ed	4 290 sq 4 200 sq 4 2	0 sq ft	12,542 sq ft 91.93 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m 5,450 sq ft	12.542 sq ft 91.05 sq ft 91.05 sq ft 98.05 sq ft 0.57 1 sq ft 70.73 sq ft 70.75 sq ft 0.0 sq ft 0.0 sq ft 3 Bed + Den (993-1018 sq ft)	25,084 sq ft 1821 88 qm 19810 sq ft 1921 88 qm 19810 sq ft 705 5 qm 7594 sq ft 1971 58 qm 89.722 sq ft 1971 58 qm 89.722 sq ft 1975 84 qm 253,569 sq ft 1975 87 qm 19810 sq ft 1975 87 qm 19810 sq ft 1975 87 qm 19810 sq ft 1985 87 qm 19810 sq ft 19810	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
L22 Amenity 1 0 0 Total 21 0 77 59 55 21 0 2 214 Distribution 0.0% 36.0% 27.0% 25.7% 9.8% 0.0% 0.9% 100.0%	L9-10 L11 L12-24 L25 Amenity TOTAL ential Unit Counts Tower 1 (Phase 1) L1 L2 L3-5 L4 L7 L8 L9 L9 L10	2 1 1 1 3 1 1 24 Number of floors 1 1 1 1 3 3 1 1 1 1 1 1 1 1 1 1 1 1 1	10.427 sq ft 765.2 sq m 8.237 sq ft 5544.4 sq m 5.860 sq ft 552.5 sq m 6.378 sq ft 0.0 sq m 0 sq ft	20,854 or ft 1530.5 sq m 16,474 sq ft 544.4 sq m 5,860 sq ft 7703.0 sq m 82,914 sq ft 0.0 sq ft 204,336 sq ft 1 Bed (442-548 sq ft) 8 5 5 5 4 3 3	2.1155.qd 1467.5q m 1,659.sq t 1127.5q m 1,259.sq t 1127.5q m 1,213.qd 1,213.sq t 133.5q m 1,215.qd 0.05 q m 0.5q t 150.5q t 150	4 230 sq th 231 sq tm 3,195 sq th 1127 sq th 1127 sq th 1127 sq th 128 sq th 128 sq th 128 sq th 1498 sq th 15,000 sq th 15,000 sq th 15,000 sq th 100 sq th 11,000 sq th 13,000 sq th 13,0	0 sq ft	12,542 sq ft 91.93 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m 5,450 sq ft	12.542 sq ft 91.05 sq ft 91.05 sq ft 98.05 sq ft 0.57 1 sq ft 70.73 sq ft 70.75 sq ft 0.0 sq ft 0.0 sq ft 3 Bed + Den (993-1018 sq ft)	25,064 s q ft 1821 8 s m 19,610 s q ft 1821 8 s m 19,610 s q ft 1705 5 s m 7,594 s q ft 1705 5 s m 9,7594 s q ft 1715 8 q m 98,722 s q ft 1715 8 q m 98,722 s q ft 1715 8 q m 19,722 s q ft 1715 8 q m 19,722 s q ft 1705 1 q m 19,724 q m 19,725	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
Total 21 0 77 59 55 21 0 2 214 Distribution 0.0% 36.0% 27.6% 25.7% 9.8% 0.0% 0.9% 100.0%	L9-10 L11 L12-24 L25 Amenity TOTAL ential Unit Counts Tower 1 (Phase 1) L1 L2 L3-5 L6 L7 L8 L9 L10	2 1 1 13 14 14 15 16 16 16 16 16 16 16 16 16 16 16 16 16	10.427 sq ft 765.2 sq m 8.237 sq ft 5544.4 sq m 5.860 sq ft 552.5 sq m 6.378 sq ft 0.0 sq m 0 sq ft	20.884 or ft 1530.5 sq m 16.474 or ft 1530.5 sq m 16.474 or ft 1544 sq m 5.860 or ft 1703.0 sq m 62.914 or ft 10.0 sq m 204.336 sq ft 204.336 sq ft 1 Bed (442.548 sq ft) 1 Bed 64.2548 sq ft 1 Sq ft 1555 sq ft 1	2.1155 qd 1 1467 sq m 1.658 sq t 1127 sq m 1.213 sq t 1.213 sq t 0.5 sq t 0.5 sq t 1 Bed + Den (653 461 sq t) 5 2 2 2 2 2 3 3 3	4 4290 sq 4 1291	0 sq ft 0 03 q m 0 sq ft 48.4 sq m 521 sq ft 0 03 q m 521 sq ft 0 03 q m 524 sq ft 257.2 sq m 52.450 sq ft 257.2 sq m 62.450 sq ft 1 1 1 1 2 2 2 2 0 0 2 2 1 1	12,542 sq ft 91.93 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m 5,450 sq ft	12.542 sq ft 91.05 sq ft 91.05 sq ft 98.05 sq ft 0.57 1 sq ft 70.73 sq ft 70.75 sq ft 0.0 sq ft 0.0 sq ft 3 Bed + Den (993-1018 sq ft)	25,084 sq ft 1821 88 qm 19,810 sq ft 1921 88 qm 19,810 sq ft 1705 58 qm 7,594 sq ft 1715 88 qm 89,722 sq ft 1971 88 qm 89,722 sq ft 1971 88 qm 89,722 sq ft 1971 89 qm 253,545 sq ft 1955 58 qm 1505,545 sq ft 1955 58 qm 1505,545 sq ft 1955 58 qm 1505 58 q	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
Distribution 0.0% 36.0% 27.6% 25.7% 9.8% 0.0% 0.9% 100.0%	L9-10 L11 L12-24 L25 Amenity TOTAL ential Unit Counts Tower 1 (Phase 1) L1 L2 L3-5 L6 L9 L9 L9 L1 L1 L2 L3-5 L6 L9 L9 L1 L1 L1 L2 L3-5 L6 L9 L1 L1 L1 L2 L3-5 L6 L9 L1 L1 L1 L1 L2 L3-5 L6 L9 L1 L1 L1 L1 L1 L2 L3-5 L6 L9 L1 L1 L1 L1 L1 L1 L1 L1 L1	2 1 1 13 1 24 Number of floors 1 1 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10.427 sq ft 765.2 sq m 8.237 sq ft 5544.4 sq m 5.860 sq ft 552.5 sq m 6.378 sq ft 0.0 sq m 0 sq ft	20.884 or ft 1530.5 sq m 16.474 or ft 1530.5 sq m 16.474 or ft 1544 sq m 5.860 or ft 1703.0 sq m 62.914 or ft 10.0 sq m 204.336 sq ft 204.336 sq ft 1 Bed (442.548 sq ft) 1 Bed 64.2548 sq ft 1 Sq ft 1555 sq ft 1	2.1155 qd 1 1467 sq m 1.658 sq t 1127 sq m 1.213 sq t 1.213 sq t 0.5 sq t 0.5 sq t 1 Bed + Den (653 461 sq t) 5 2 2 2 2 2 3 3 3	4 4290 sq 4 1291	0 sq ft 0 03 q m 0 sq ft 48.4 sq m 521 sq ft 0 03 q m 521 sq ft 0 03 q m 524 sq ft 257.2 sq m 52.450 sq ft 257.2 sq m 62.450 sq ft 1 1 1 1 2 2 2 2 0 0 2 2 1 1	12,542 sq ft 91.93 sq m 9,805 sq ft 705.5 sq m 7,594 sq ft 705.5 sq m 7,594 sq ft 0.0 sq m 5,450 sq ft	12.542 sq ft 91.05 sq ft 91.05 sq ft 98.05 sq ft 0.57 1 sq ft 70.73 sq ft 70.75 sq ft 0.0 sq ft 0.0 sq ft 3 Bed + Den (993-1018 sq ft)	25,064 s q ft 1821 8 s qm 19,610 s q ft 1821 8 s qm 19,610 s q ft 1705 5 s q m 7,594 s q ft 1705 5 s q m 98,722 s q ft 1716 8 q m 98,722 s q ft 1705 1 q m 1	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
	L9-10 L11 L12-24 L25 Amenity TOTAL ential Unit Counts Tower 1 (Phase 1) L1 L2 L3-5 L6 L7 L8 L9 L10 L10 L11 L12 L12 L12 L12 L12	2 1 1 13 1 1 24 Number of floors 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10.427 sq ft 765.2 sq m 8.237 sq ft 565.2 sq m 8.237 sq ft 544.4 sq m 5.860 sq ft 582.5 sq m 6.378 sq ft 0.378 sq ft 0.39 sq ft 0.39 sq ft 0.35	20.884 or ft 1530.5 sq m 16.474 sq ft 544.4 sq m 5,860 sq ft 0.0 sq m 0.2141 sq ft 0.0 sq m 244,336 sq ft 1 Bed (442.546 sq ft) 8 9 1 3 1 3 3 3 3	2.1155 egt 1467 sq m 1,658 egt 1477 sq m 1,658 egt 1127 sq m 1,213 egt 1,213	4 4290 sq ft 2013 sq m 3,199 sq ft 1127 sq m 1,213 sq ft 1428 sq f	0 sq ft 0 0 3 q m 0 sq ft 48.4 sq m 521 sq ft 0 0 3 q m 521 sq ft 0 0 3 q m 524 sq ft 257.2 sq ft 52.450 sq ft 257.2 sq ft 11 1 2 2 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1	12,542 sq. ft. 910 sq. or 910 sq. or 9805 sq. ft. 9705 sq. ft. 7055 sq. ft. 7055 sq. ft. 7055 sq. ft. 905 sq. ft.	12.642 eq ft 910 9 sq m 9.805 sq ft 910 9 sq m 9.805 sq ft 957.1 sq m 7.075 sq ft 705.5 sq m 7.075 sq ft 0.0 sq m 0.5 sq ft 9.805 sq ft 9.	25,084 sq ft 1821 88 qm 19,810 sq ft 1921 88 qm 19,810 sq ft 1705 8 qm 7,594 sq ft 1715 84 qm 89,722 sq ft 1715 84 qm 89,722 sq ft 175 84 qm 253,563 sq ft 175 175 175 175 175 175 175 175 175 175	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
Adaptable Unit # 11 0.0% 63.6% 35.5% 0.9%	L9-10 L11 L12-24 L25 Amenity TOTAL ential Unit Counts Tower 1 (Phase 1) L1 L2 L3-5 L6 L7 L9 L1 L1 L1 L2 L3-5 L6 L7 L9 L1 L1 L1 L2 L3-5 L6 L7 L9 L1 L1 L1 L2 L3-5 L6 L7 L8 L9 L1 L1 L1 L1 L1 L2 L2 L3 L4 L5 L5 L6 L7 L6 L7 L7 L8 L9 L1 L1 L1 L1 L1 L1 L2 L2 L3 L4 L5 L5 L5 L6 L7 L6 L7 L7 L7 L8 L8 L8 L8 L9 L8 L9 L9 L9 L1 L1 L1 L1 L1 L1 L1	2 1 1 13 1 1 24 Number of floors 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10.427 sq ft 765.2 sq m 8.237 sq ft 544.4 sq m 5.860 sq ft 584.3 sq m 6.376 sq ft 0.376 sq ft 0.38 sq ft 0.39 sq m 0.376 sq ft 0.476 sq ft	20.884 or ft 1530.5 sq m 16.747 sq ft 1530.5 sq m 16.747 sq ft 15.745 sq ft 16.747 sq ft 16.747 sq ft 1700.0 sq m 62.214 sq ft 0.05 sq ft 20.438 sq ft 18 ed (442.548 sq ft) 18 ed 642.548 sq ft 18 ed 643.548 sq ft	2.115 sqt 1457 sq m 1.658 sqt 1457 sq m 1.658 sqt 1127 sq m 1.215 sqt 1130 sq m 1.215 sqt 130 sq m 0.53 sq f 130 sq m 0.53 sq f 150 sq f	4 290 sq 4 200 sq 5 200 sq 5 200 sq 6 2	0 sq ft 0 0 sq m 0 sq ft 48.4 sq m 521 sq ft 0 0 sq ft 521 sq ft 257.2 sq m 8.219 sq ft 1 1 1 1 2 2 2 2 2 1 1 1 1 1 1 1 1 1 1	12,542 sq. ft. 910 sq. mg. 9,805 sq. ft. 905 sq. ft. 905 sq. ft. 705 sq. mg. 7,594 sq. ft. 705 sq. mg. 7,594 sq. ft. 705 sq. ft. 905 sq. f	12.542 sq ft 9 10.5 sq m 9.805 sq ft 9.805 sq ft 9.805 sq ft 9.71 sq m 7.073 sq ft 705.5 sq m 7.554 sq ft 0.9 sq ft 0.9 sq ft 9.805 sq ft	25,084 sq ft 1821 8 sq m 19,610 sq ft 1821 8 sq m 19,610 sq ft 705 5 sq m 7,954 sq ft 1917 0 sq m 98,722 sq ft 1917 0 sq m 98,722 sq ft 1918 52,2 sq m 253,563 sq ft 1918 52,2 sq m 19,000 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m
	L9-10 L11 L12-24 L25 Amenity TOTAL ential Unit Counts Tower 1 (Phase 1) L1 L2 L3-5 L6 L7 L8 L9 L10 L11 L12 L12 L12 L12 L12 L12	2 1 1 13 1 1 24 Number of floors 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10.427 sq ft 765.2 sq m 8.237 sq ft 765.2 sq m 8.237 sq ft 544.4 sq m 5.860 sq ft 5544.4 sq m 6.378 sq ft 0.378 sq ft 0.378 sq ft 0.378 sq ft 0.3	20.884 or ft 1830.5 sq m 16.474 sq ft 544.4 sq m 5.800 sq ft 0.0 sq m 62.214 sq ft 0.0 sq m 24.336 sq ft 1 Bed (442.648 sq ft) 8 5 5 5 5 5 5 7 7 3 3 3 3 7 77 36.0%	2.115 sqt 1 1467 sq m 1.658 sqt 1 1127 sq m 1.213 sq t 1.213 sq t 0.0 sq t 1 Bed + Den (553 681 sq tt) 5 2 2 2 2 3 3 3 3 59 576%	4 4290 sq ft 2013 sq m 3,199 sq ft 1127 sq m 1,213 sq ft 1428 sq f	0 sq ft	12,542 sq. ft. 910 sq. m 9,805 sq. ft. 9705 sq. ft. 705 sq. m 7,994 sq. ft. 705 sq. ft. 904 sq. ft. 705 sq. ft. 900 sq. ft. 90	12.642 eq ft 910 9 sq m 9.005 sq ft 910 9 sq m 7.005 sq m 7.005 sq m 7.005 sq m 0.005 sq ft 90.005 sq ft 90.0	25,084 sq ft 1821 8 sq m 19,610 sq ft 1821 8 sq m 19,610 sq ft 705 5 sq m 7,954 sq ft 1917 0 sq m 98,722 sq ft 1917 0 sq m 98,722 sq ft 1918 52,2 sq m 253,563 sq ft 1918 52,2 sq m 19,000 100 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	25,084 sq ft 1821.8 sq m 19,610 sq ft 657.1 sq m 7,073 sq ft 9171.6 sq m 98,722 sq ft 0.0 sq m 0 sq ft 22793.2 sq m





										B						
T (7)		Number	Studio	1 Bed	1 Bed + I	Den 2	Bed	2 Bed + Der	n	3 Bed	3 Bed + Den	Total				
Tower 2 (Phase 1)		of floors	(317 sq ft)	(459-548 sq ft)	(505-788 s	sq ft) (682-	761 sq ft)	(756-913 sq ft	n	(1016 sq ft)	(1000 sq ft)	Total				
L1					-1	2	4	-		2		_			10	
L2 1			1	1			1					5				
L3 1			2	9	6		1		_			19				
L3 L4-6 3			1	10	6		1		_			57				
L4-6 3				4	6		1		_			13				
							1	1	_							
				3	5		1	3				13				
L9						1	2	4		1	4				12	
L10					1	1	2	4		1			1	1	11	
L11					1	1	3	3		2	2				11	
L12-37					26	1	3	3		2	2				286	
L38 Ameni	ity				1										0	
Total					37	39	136	126		65	69		1	1	437	
Distributio	on					8.9%	31.1%	28.8%	% 1	4.9%	15.8%		0.2%	0.2%	100.0%	
Adaptable	Unit#		27			8.9%	6	0.0%		30.7	1%		0	.5%		
						Studio	1 Bed	1 Bed + I	Den 2	Bed	2 Bed + Dei	n	3 Bed	3 Bed + Den		
	Tower	3 (Pha	ase 2)		Number of floors							_			Total	
					Of Hoor's	(0 sq ft)	(424-648 sq ft)	(533-681 s	sq #) (600-	774 sq ft)	(806-959 sq ft	n	(845-853 sq ft)	-		
L1					1	1	3	9					2	1	16	
L2					- 1	1	2	10		1				1	15	
L3-4					2	2	2	15		1	1		2	1	48	
L5-6					2	1	2	10		5	2				40	
L7-8					2	1	2	8		3	2				32	
L9-10					2	1	2	5		3	2				26	
L11					- 1		3	2		2	2				9	
L12-24					13		4	2		2	2				130	
L25 Ameni	ity				- 1										0	
Total					24	12	76	123		53	42		6	4	316	1
Distributio	on					3.8%	24.1%	38.9%		6.8%	13.3%		1.9%	1.3%	100.0%	
Adaptable			11			3.8%		3.0%		30 1				2%	,0	1
Jupiuole						0.019	-			30.1					-	
												_			_	
Grand Tot	itions					51 51		308		173	132	Total of		7 14 s provided on phas	967 e 1 and 2	
ty Calcula OUTDOOR:3	itions 3.0 Sq. m [32 sc						s;					Total of		14		
ty Calcula OUTDOOR:3	itions 3.0 Sq. m [32 sc					51 ated within the required setback	s;					Total of		14		
ty Calcula OUTDOOR:3 INDOOR: HI	itions 3.0 Sq. m [32 sc					51 sted within the required setback High-rise: 25+ storeys - 372 sqm Indoor Required	s; +4sq.m per micro Units Indoor Provided	597	equired Outdoo	30:		Total of		14		
ty Calcula OUTDOOR:3	itions 3.0 Sq. m [32 sc					51 sted within the required setback High-rise: 25+ storeys - 372 sqm	s; +4sq.m per micro Units	597 Outdoor Re	equired Outdoo	30		Total of		14		
ty Calcula OUTDOOR: HI INDOOR: HI Tower 1 Tower 2	itions 3.0 Sq. m [32 sc					51 ated within the required setback High-rise: 25+ storeys - 372 sqm Indoor Required 2,002 sq.ft. 5,683 sq.ft.	5; +4sq.m per micro Units Indoor Provided 13,648 sq ft 9,852 sq ft	Outdoor Re 6,848 sc 13,984 s	equired Outdox q.fi. 4,3 sq.ft. 19,7	or Provided 12 sq ft 52 sq ft		Total of		14		
ty Calcula OUTDOOR: HI INDOOR: HI Tower 1 Tower 2 Tower 3	itions 3.0 Sq. m [32 sc					51 sted within the required setback High-rise: 25e storeys - 372 sgm Indoor Required 2,002 sq.ft. 5,683 sq.ft. 2,619 sq.ft.	5) 44sq.m per micro Units Indoor Provided 13,648 sq ft 9,852 sq ft 8,219 sq ft	Outdoor Re 6,848 sc 13,984 s 10,112 s	equired Outdoo q.fi. 4,3 sq.ft. 19,7 sq.ft. 18,6	30: or Provided 12 sq ft 52 sq ft 63 sq ft		Total of		14		
ty Calcula OUTDOOR: HI INDOOR: HI Tower 1 Tower 2	itions 3.0 Sq. m [32 sc					51 sted within the required setback High-rise: 25+ storeys - 372 sqm Indoor Required 2,002 sq.ft. 5,683 sq.ft. 2,519 sq.ft. 10,204 sq.ft.	5: 44sq.m per micro Units Indoor Provided 13,648 sq ft 9,852 sq ft 8,219 sq ft 31,719 sq ft	Outdoor Re 6,848 sc 13,984 s 10,112 s 30,944 s	equired Outdoo q.ft. 4,3 sq.ft. 19,3 sq.ft. 18,6 sq.ft. 42,1	30: or Provided 12 sq ft 52 sq ft 63 sq ft 27 sq ft		Total of		14		
ty Calcular OUTDOOR: 3 INDOOR: Hi Tower 1 Tower 2 Tower 3 Total	itions 3.05q.m [32 sc igh-rise: 13-24				icro Units -	51 High-rise: 25° storeys - 372 sqm Indoor Required 2 202 sq.ft 5.683 sq.ft 2.519 sq.ft 10,004 sq.ft 948.0 sq.m	55 445a,m per micro Units Indoor Provided 13,648 sq ft 9,852 sq ft 8,219 sq ft 33,179 sq ft 2946.8 sq m	Outdoor Re 6,848 sc 13,984 s 10,112 s 30,944 s 2874.8 s	equired Outdoo q.ft. 4,3 sq.ft. 19,3 sq.ft. 18,6 sq.ft. 42,1	30: or Provided 12 sq ft 52 sq ft 63 sq ft		Total of		14		
ty Calcula OUTDOOR:3 INDOOR: HI Tower 1 Tower 2 Tower 3 Total Parking St Commercial sq.ft.] of gro	tions 3.0 sq.m [32 sc igh-rise: 13-24 tatistics i: Category 1: oss floor area;	4 storeys < 372 sq ; Restau	rs - 186 sqm+4 quare metres urant in Comr	s [4,000 sq.fl mercial Area	t.] gross flo as : 10 parki	51 sted within the required setback High-rise 25% stores; 373 came factor Required 2,002 std. 1, 5,633 std. 1, 2,519 std. 1, 10,004 std. 1,	5: 44sq.m per micro Units Indoor Provided 13,648 sq ft 9,852 sq ft 8,219 sq ft 31,719 sq ft	Outdoor Re 6.848 sc 1.3984 s 10.112 s 2674.8 s ns of gross floor area; (equired Outdoo q.fl. 4,3 sq.ft. 19,1 sq.ft. 18,1 sq.ft. 42,2 sq.ft. 42,2 Category 2: 3/3 sq.m. 4,64 n or equal to 150 square m	30: or Provided 12 sq ft 52 sq ft 63 sq ft 27 sq ft 5.7 sq m	t 50,000 sq.ft.] gro-	oss floor are	49 adaptable unit	14 s provided on phas	e 1 and 2	
ty Calcula OUTDOOR: INDOOR: HI Tower 1 Tower 2 Tower 3 Total Parking St Commercial sq.ft.] of gro Residential ** Where th Visitor Shar In accordania	tatistics tatistics i: Category 1: coss floor area; : Non-Ground the number of red: 2/3 of Pari ce with the tra	< 372 sq ; Restau d-Orient require rking sparansition	quare metres urant in Comr ted Multiple ed parking sp acces shared v	s [4,000 sq.frl mercial Are: Unit Reside aces is grea with office p s set out in	t.] gross floi as: 10 parki intial Buildi ter than 12, parking due Schedule J,	sted within the required setback High-rise; 25e storeys - 373 agent Indoor Required 2,002 sq. ft. 5,658 sq. ft. 2,519 sq. ft. 10,204 sq. ft.	454 am per miror Units Indoor Provided 13.649 s q ft 8.952 s q ft 8.952 s q ft 8.219 s q ft 8.219 s q ft 9.219 s q ft 9.21	Outdoor Re 6.849 sc 13,984 s 10,112 s 2874.8 s 3,9844 s 2874.8 s s of gross floor area; (which is greater than ng space per dwelling parking spaces; Whe din city center	equired Outdock q.ft. 4.3 q.ft. 19.2 q.ft. 391 q.ft. 391 q.ft. 4.2 q.ft. 391 q.ft. 19.2	30: or Provided 12 sq ft 52 sq ft 63 sq ft 27 sq ft 27 sq ft 55 sq.m. [4,001 sq.ft]	t- 50,000 sq.ft.] gro: but less than 950 sq	sss floor are quare met	49 adaptable unit	14 s provided on phas	e 1 and 2	
ty Calcula OINDOOR: HI Tower 1 Tower 2 Tower 3 Total Parking St Commercial sq.ft.] of gro Residential "* Where th Visitor Shar In accordance (a) Must cord	tatistics tatistics tatistics tatistics the Category 1: oss floor area; Non-Ground he number of red: 2/3 of Parice with the transtruct and int	< 372 sq ; Restau f-Orient require ransition stall an	quare metres quare metres ted Multiple ed parking sp ances shared v ancel provision: energized el	s [4,000 sq.ft mercial Are: Unit Reside waces is grea with office; s s set out in: lectrical out	t.] gross flor as: 10 parki intial Buildi ter than 12, parking due Schedule J, let for 1009	sted within the required setback High-rise; 29s storeys - 373 same Indioor Required 2:002 sq.ft. 5:683 sq.ft. 2:519 sq.ft. 10;204 sq.ft. 10;204 sq.ft. NOTE: Sen/ce A sq.ft. and row - 275 parking spaces for every 100 square on ng space for every 100 square on an infinimum of 25 of the require to alternate hours of use. * 120 ft. to alternate hours of use. * 120 ft. of residential parking spaces, of	sign per micro Units Indoor Provided 13,648 sg ft 3,858 sg ft 3,858 sg ft 4,858 sg ft 2,946 sg sg ft 2,946 sg sg ft 2,946 sg f	Outdoor Re 6.848 sc 6.848 sc 1.3984 sc 1.0112 s 2874.8 s 3.9444 s 2874.8 s of gross floor area; c which is greater than gaspace per dwelling parking spaces; Whe dd in dity center	equired Outdood 16. 4.3.4 16. 4.3.4 16. 19.1 16. 19.	30: or Provided 12 sq ft 52 sq ft 63 sq ft 27 sq ft 27 sq ft 55 sq.m. [4,001 sq.ft]	t- 50,000 sq.ft.] gro: but less than 950 sq	oss floor are equare met rking space	49 adaptable unit	14 s provided on phase ces for every 100 sq ed as van-accessibl	e 1 and 2	
ty Calcula OINDOOR: HI Tower 1 Tower 2 Tower 3 Total Parking St Commercial sq.ft.] of gro Residential "* Where th Visitor Shar In accordance (a) Must cord	tatistics tatistics category 1: coss floor area; Non-Ground he number of red: 2/3 of Paric ce with the transtruct and instruct and in	< 372 sq ; Restau d-Orient require rking spa stall an	quare metres grant in Comr ted Multiple ed parking sp acces shared v nal provision e nergized el	s [4,000 sq.ft mercial Are: Unit Reside waces is grea with office; s s set out in: lectrical out	t.] gross flor as: 10 parki intial Buildi ter than 12, parking due Schedule J, let for 1009	sted within the required setback High-rise; 29s storeys - 373 same Indioor Required 2:002 sq.ft. 5:683 sq.ft. 2:519 sq.ft. 10;204 sq.ft. 10;204 sq.ft. NOTE: Sen/ce A sq.ft. and row - 275 parking spaces for every 100 square on ng space for every 100 square on an infinimum of 25 of the require to alternate hours of use. * 120 ft. to alternate hours of use. * 120 ft. of residential parking spaces, of	454 am per miror Units Indoor Provided 13.649 s q ft 8.952 s q ft 8.952 s q ft 8.219 s q ft 8.219 s q ft 9.219 s q ft 9.21	Outdoor Ree 6.648 sc 6.648 sc 13.364 s 9.10112 s 30.044 s 9.10112 s 2014 s 201	equired Outdood q.ft. 4.3 q.ft. 4.3 q.ft. 16.7 q.ft. 16.7 q.ft. 16.7 q.ft. 16.7 q.ft. 391 q.ft. 391 q.ft. 391 q.ft. 17 q	300 Ir Provided 12 sq ft 12 sq ft 52 sq ft 53 sq ft 12 sq ft 52 sq ft 53 sq ft 17 sq ft 17 sq ft 18 sq ft 18 sq ft 18 sq ft 18 sq ft 19 s	s L-50,000 sq.ft.] gro but less than 500 st	oss floor are quare met rking space Res.	49 adaptable unii ea - 3 parking spa res [10,225 sq.1c.] es must be provid	14 s provided on phas	e 1 and 2	
Tower 1 Tower 2 Tower 3 Total Parking St Commercial sq.ft.] of grc Residential Where the Visitor Shar In accordance (a) Must core	tatistics tatistics tatistics tatistics the Category 1: oss floor area; Non-Ground he number of red: 2/3 of Parice with the transtruct and int	< 372 sq ; Restau d-Orient require rking spa stall an	quare metres quare metres ted Multiple ed parking sp ances shared v ancel provision: energized el	s [4,000 sq.ft mercial Are: Unit Reside waces is grea with office; s s set out in: lectrical out	t.] gross flor as: 10 parki intial Buildi ter than 12, parking due Schedule J, let for 1009	sted within the required setback High-rise; 29s storeys - 373 same Indioor Required 2:002 sq.ft. 5:683 sq.ft. 2:519 sq.ft. 10;204 sq.ft. 10;204 sq.ft. NOTE: Sen/ce A sq.ft. and row - 275 parking spaces for every 100 square on ng space for every 100 square on an infinimum of 25 of the require to alternate hours of use. * 120 ft. to alternate hours of use. * 120 ft. of residential parking spaces, of	454 am per miror Units Indoor Provided 13.649 s q ft 8.952 s q ft 8.952 s q ft 8.219 s q ft 8.219 s q ft 9.219 s q ft 9.21	Outdoor Re 6.848 sc 6.848 sc 1.3984 sc 1.0112 s 2874.8 s 3.9444 s 2874.8 s of gross floor area; c which is greater than gaspace per dwelling parking spaces; Whe dd in dity center	equired Outdood q.ft. 4.3 q.ft. 4.3 q.ft. 18.6 q.f	300 Ir Provided 12 sq ft 12 sq ft 52 sq ft 53 sq ft 12 sq ft 52 sq ft 53 sq ft 17 sq ft 17 sq ft 18 sq ft 18 sq ft 18 sq ft 18 sq ft 19 s	5. 250,000 sq.ft.] gro but less than 950 st % of accessible par	oss floor are quare met rking space Res.	49 adaptable unit ea - 3 parking spa res [10,225 sq.ft.] es must be provid	14 a provided on phase ces for every 100 sq ed as van-accessible Res. Subtotal	uare metres (1,075 e parking spaces; ** Total Requirec	
ty Calcula OUTDOOR: 5 INDOOR: HI Tower 1 Tower 2 Tower 3 Total Parking St Commercial sq.ft.] of gro Residential "Where the Visitor Shar In accordant (a) Must cor Phase 1 - 1 Total	talistics talist	< 372 sq ; Restau d-Orient i require restall an	quare metres urant in Comr ted Multiple ed parking spaces shared in nal projuised el ed Parking -	sq.m.per.m. [4,000 sq.f.f. [4,000 sq.f.f. Unit Reside saces is greatist of the saces is greated interced to the saces is greated Residential	t.] gross flor as : 10 parki intial Buildi ter than 12, parking due Schedule J, let for 100%	sted within the required setback High-rise; 29s storeys - 373 same Indioor Required 2:002 sq.ft. 5:683 sq.ft. 2:519 sq.ft. 10;204 sq.ft. 10;204 sq.ft. NOTE: Sen/ce A sq.ft. and row - 275 parking spaces for every 100 square on ng space for every 100 square on an infinimum of 25 of the require to alternate hours of use. * 120 ft. to alternate hours of use. * 120 ft. of residential parking spaces, of	454 am per miror Units Indoor Provided 13.649 s q ft 8.952 s q ft 8.952 s q ft 8.219 s q ft 8.219 s q ft 9.219 s q ft 9.21	Outdoor Ree 6.648 sc 6.648 sc 13.364 s 9.10112 s 30.044 s 9.10112 s 2014 s 201	equired Outdood q.ft. 4.3 q.ft. 4.3 q.ft. 16.7 q.ft. 16.7 q.ft. 16.7 q.ft. 16.7 q.ft. 391 q.ft. 391 q.ft. 391 q.ft. 17 q	300 Ir Provided 12 sq ft 12 sq ft 52 sq ft 53 sq ft 12 sq ft 52 sq ft 53 sq ft 17 sq ft 17 sq ft 18 sq ft 18 sq ft 18 sq ft 18 sq ft 19 s	s L-50,000 sq.ft.] gro but less than 500 st	oss floor are quare met rking space	49 adaptable unit ea - 3 parking spa res [10,225 sq.ft.] es must be provid	14 s provided on phase ces for every 100 sq ed as van-accessibl	uare metres (1,075 e parking spaces; ** Total Requirec	
ty Calcula OUTDOOR: 5 INDOOR: HI Tower 1 Tower 2 Tower 3 Total Parking St Commercial sq.ft.] of gro Residential "Where the Visitor Shar In accordant (a) Must cor Phase 1 - 1 Total	tatistics tatistics tatistics tatistics tic Category 1: oss floor area; : Non-Ground he number of ceed: 2/3 of Parice ce with the transtruct and inter Tower 1 - Re Commer Gross 7 Tower 2 - Re	< 372 sq ; Restau d-Orient require rking sp: ansition equired equired equired	quare metres urant in Comr ted Multiple ed parking spaces shared in nal projuised el ed Parking -	sq.m.per.m. [4,000 sq.f.f. [4,000 sq.f.f. Unit Reside saces is greatist of the saces is greated interced to the saces is greated Residential	t.] gross flor as : 10 parki intial Buildi ter than 12, parking due Schedule J, let for 100%	sted within the required setback High-rise; 29s storeys - 373 same Indioor Required 2:002 sq.ft. 5:683 sq.ft. 2:519 sq.ft. 10;204 sq.ft. 10;204 sq.ft. NOTE: Sen/ce A sq.ft. and row - 275 parking spaces for every 100 square on ng space for every 100 square on an infinimum of 25 of the require to alternate hours of use. * 120 ft. to alternate hours of use. * 120 ft. of residential parking spaces, of	454 am per miror Units Indoor Provided 13.649 s q ft 8.952 s q ft 8.952 s q ft 8.219 s q ft 8.219 s q ft 9.219 s q ft 9.21	Outdoor Re 6,848 et 6	equired Outdood 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	300 Ir Provided 12 sq ft 12 sq ft 52 sq ft 53 sq ft 12 sq ft 52 sq ft 53 sq ft 17 sq ft 17 sq ft 18 sq ft 18 sq ft 18 sq ft 18 sq ft 19 s	5. 250,000 sq.ft.] gro but less than 950 st % of accessible par	ess floor are met	49 adaptable unit ea - 3 parking spa res [10,225 sq.ft.] es must be provid	14 s provided on phas varieties of the phase varieties for every 100 se ed as varieties de as varieties va	e 1 and 2 uare metres (1,075 e parking spaces; ** Total Required 4 221	
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ry Calcula OUTDOOR: HI TOWER 1 Tower 2 Tower 3 Total Parking St Commercial sq.ft.] of gr Residential "" Where th Visitor Share In accordan (a) Must cor Phase 1 - Total Phase 1 - Total	tatistics	< 372 sq ; Restau d-Orient require rking sp: ansition equired equired equired	quare metres urant in Comr ted Multiple ed parking spaces shared in nal projuised el ed Parking -	sq.m.per.m. [4,000 sq.f.f. [4,000 sq.f.f. Unit Reside saces is greatist of the saces is greated interced to the saces is greated Residential	t.] gross flor as : 10 parki intial Buildi ter than 12, parking due Schedule J, let for 100%	sted within the required setback High-rise; 29s storeys - 373 same Indioor Required 2:002 sq.ft. 5:683 sq.ft. 2:519 sq.ft. 10;204 sq.ft. 10;204 sq.ft. NOTE: Sen/ce A sq.ft. and row - 275 parking spaces for every 100 square on ng space for every 100 square on an infinimum of 25 of the require to alternate hours of use. * 120 ft. to alternate hours of use. * 120 ft. of residential parking spaces, of	454 am per miror Units Indoor Provided 13.649 s q ft 8.952 s q ft 8.952 s q ft 8.219 s q ft 8.219 s q ft 9.219 s q ft 9.21	Outdoor Re 6.848 s 6.8	equired Outdood q.ft. 4.3 q.ft. 4.3 q.ft. 4.3 q.ft. 4.2	300 If Provided 12 ag ft 22 ag ft 32 sq ft 33 sq ft 33 sq ft 34 sq ft 35 sq ft 17 sq ft 18 sq ft 35 s	5 2- 50,000 sq.ft.] gro- but less than 500 st W of accessible par ross NIC 193	ses floor are met de	49 adaptable unit ea - 3 parking spa res [10, 25 sq. ft.] es must be provid	14 s provided on phas ces for every 100 sc ed as van-accessibil Res. Subtotal 77 21 Res. Subtotal	e 1 and 2 Joseph Markettes (1,075) parking spaces, ** Total Requirec Z21 Total Requirec	
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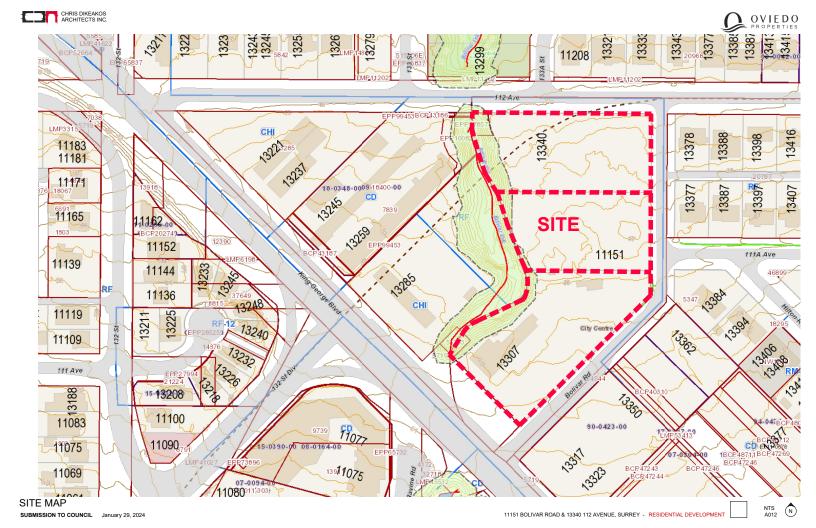




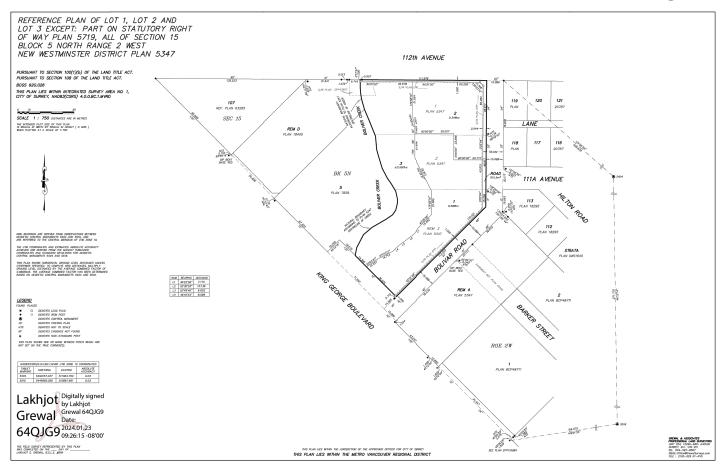
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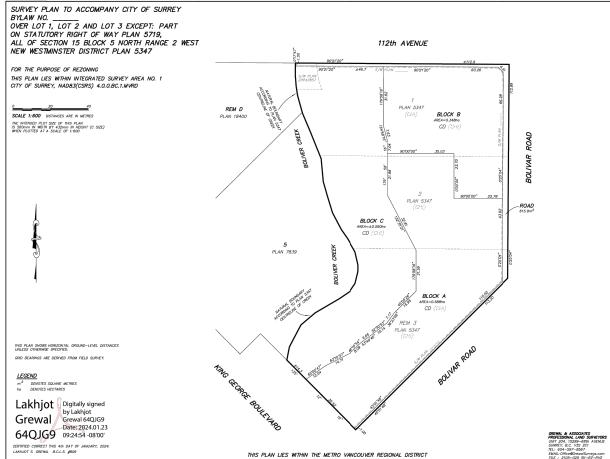














DESIGN RATIONALE

SITE ORGANIZATION

- Bolivar Creek and its surrounding open green space is a significant Creek System in the City of Surrey and it is an important plan and form generator for this project.
- The characteristic of this site is the curving, meandering and organic nature of the creek and its bordering open space and the site planning of the built forms have been organized to embrace this character.
- Taking into account the required environmental setbacks required from the Bolivar Creek top of bank, the remaining development site for the project becomes fairly long, linear and angled in the center area of the site forming what is a boomerang shape overall.

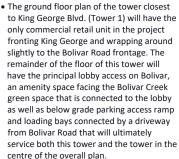


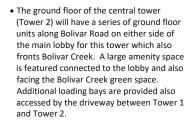


BOLIVAR CREEK PATTERN

- The project has a three significant tower forms along Bolivar Road at 21 storeys closest to King George Blvd.; 37 storeys in the center of the plan and 24 storeys for the third tower closest to 112th Avenue.
- The towers have been positioned for maximum separation distances between them on the site as well as the separations to the towers proposed in the planned development across Bolivar road to the southwest. Additionally the towers have been positioned to also maximize the view corridors for each of the towers to surrounding mountains and views of Surrey City Centre.

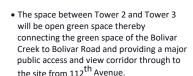
FLOOR PLAN ORGANIZATION & FEATURES





 Amenity areas at grade are principally fronting on Bolivar Creek and amenity green space.





Vancouver and Mt. Baker





DESIGN RATIONALE - SITE & FLOOR ORGANIZATION

AMENITY FEATURES

 There are amenity spaces at each of the ground levels of the towers as well as located adjacent to various rooftops of the podiums thereby allowing both indoor and outdoor amenity spaces the opportunity to easily interact with one another.





BUILDING ORGANIZATION/MASSING

Tower 1 & 2

• Towers 1 & 2 are joined at the podium levels and highlighted with a swooped curving articulation of the predominantly glass façade that is horizontal at the podium and then rises vertically on each tower to form a visually interesting composition between the two towers. This dynamic curve creates a unique architectural expression on the skyline that takes it visual clues from the organic curved nature of Bolivar Creek. The podium connection between the two towers steps up in either tower direction with landscaped terraces that have been designed to visually relate to the Bolivar Creek green space and further emphasize the organic nature of the site.





Tower 3

Tower 3 and its podiums are distinct from Towers 1 and 2 and is separated by a green pedestrian and landscaped area that physically connects to the Bolivar Creek Greenway. This tower completes the ensemble facing Bolivar Creek by creative an L-shaped form with two separate stepping podiums that run along both 112th Avenue and Bolivar Road thereby completing a right angle turn to define this corner. This tower has some similar vertical and horizontal banding and stepping elements to Towers 1 & 2 but at the same time provides differentiation which does not mimic or complete with the curving elements on the first two towers.



 Due to the site shape which is long and linear, a more rectangular tower floor plate had been adopted which is longer in the east-west direction than it is in the north-south orientation.



MATERIALS & SUSTAINABILITY

- Exterior Building materials will reflect both the urban setting and natural amenity of Bolivar Creek. Pre-finished metal panels in bronze material and white vertical design elements along with alternating widow panels will provide a refreshing and a dynamic sense of movement.
- The material and exterior wall assemblies are selected to align with sustainability criteria and to satisfy step code requirements. The goal is to minimize the loss of heating energy and minimize mechanical and electrical energy loads. The material and assembly will minimizing the thermal bridging and air leakage through the assemblies. The wall assemblies will retard water ingress by using standard materials like rainscreen walls, insulated glass units and waterproofing coating on concrete.





CPTED

CPTED will be addressed by selecting vegetation at recommended levels to maintain site lines adjacent to public areas and circulation routes. Safety levels of lighting will be provided through- out the site. Architectural security systems such as secured access, CCTV and alarm systems will be incorporated throughout the development. On site management/security will also be provided. Large resident and office amenity and outdoor open spaces are elevated above street level in a controlled environment.

Landscape: Lighting will be provided throughout the public realm and site lines will be maintained by ensuring that plant material is specified at recommended heights adjacent to circulations routes and gathering areas.

CONCLISION

We are pleased to have this opportunity to formally submit the design drawings for this three-Tower and podium multi-family residential project at Bolivar Road and King George Blvd. in the heart of Surrey. We look forward to receiving feedback from the Planning Department on this submission as well as to the next steps in the City's review process.













LEVELS 1 & 10,(T3) INDOOR AMENITIES & OUTDOOR COURTYARD AMENITIES







LEVELS 1,6 , 7, 22 & 38 (T1&2) INDOOR AMENITIES









The Bolivar Project is within 700 meters walking distance to the Gateway Skytrain Station. Additionally it is well serviced by major bus lines which run along King George Blvd.

A multi-use pathway runs along Bolivar



Road connecting the BC Parkway along King George Blvd. Additionally, provisions for dedicated bike parking will be located throughout the project. ALTERNATIVE TRANSPORTATION



The project is within walking distance of green spaces, transit centres and outdoor fitness areas. Enhanced sidewalk widths and landscaping along Bolivar Road and public plaza will encourage pedestrian activity for residents.



ENERGY MANAGEMENT

The buildings in the Bolivar project are designed to maximize natural daylighting and solar efficiency. The design specifies efficient systems such as Energy Star appliances, Intelligent lighting systems and LED lighting throughout. The project will be designed to Step Code 2 Standards.



URBAN DESIGN PRINCIPLES

The Bolivar project utilizes a pre-developed site and increases the densification of this existing very low-density site. The project is close to transit systems, as well as outdoor green spaces. The result is an eco-efficient urban ifestyle which brings diversity, energy and renewed vitality to this neighborhood while respecting the sensitive eco- environment of Bolivar Creek.







The design also specifies the use of healthy materials, adhesives, sealants, paints and coatings to minimize the emission of harmful chemicals. All of which reduces our impact on outside ecosystems while helping create the healthiest indoor environment for homeowners and office workers.



Traditionally, rooftops have been wasted areas of the urban landscape. By contrast, the multiple terraced roof areas of the Bolivar Residence Development are designed to Incorporate living space, landscape and technology to create a positive environmental effect. Where possible, areas will be dedicated to 'green roof', reducing waste heat generation and creating beneficial urban eco-habitats.

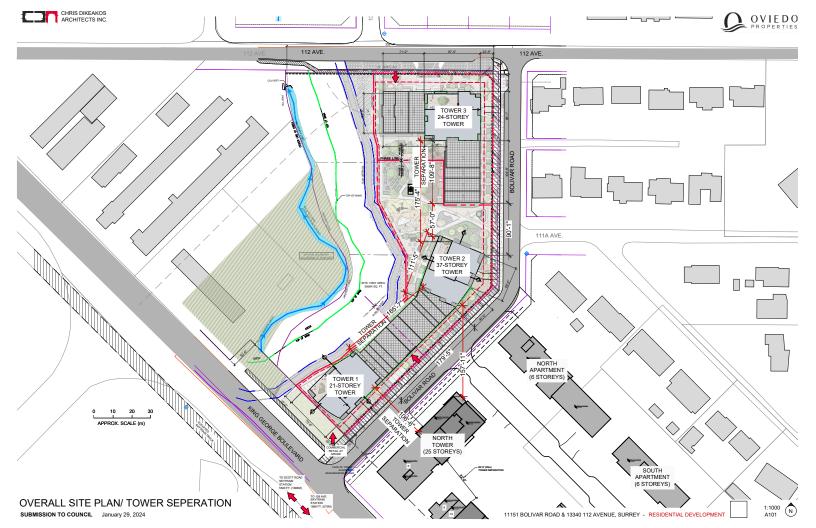


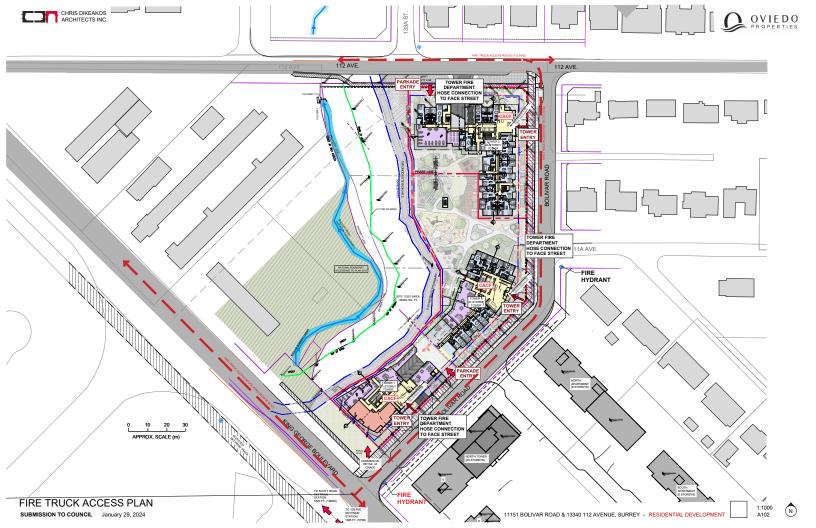
ROOF DESIGN

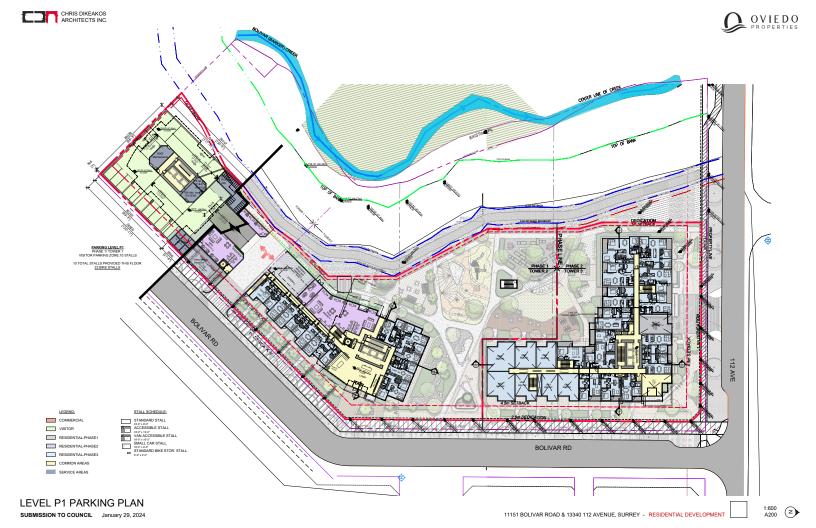
Stormwater collection system is being designed which will filter runoff and reduce pressure on the public storm water system. This extensive perimeter stormwater management system will be assisted by the water-retaining capacity of the landscaped open space, roof decks and permeable surfaces.

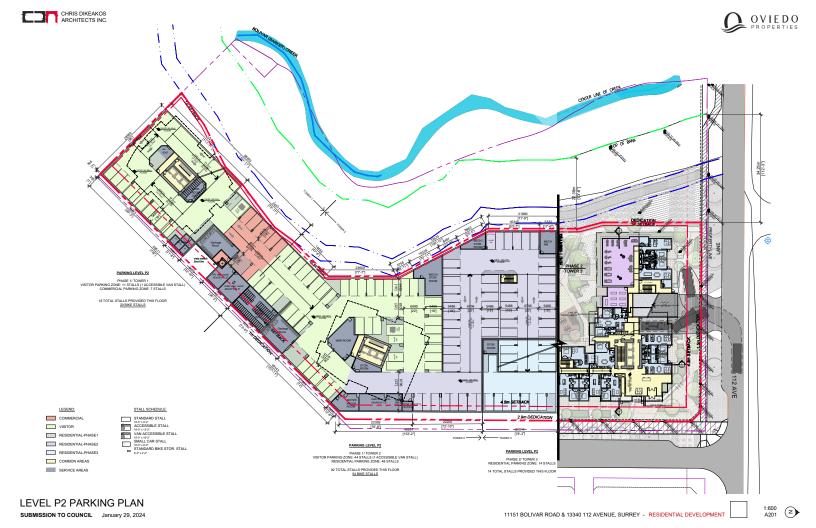






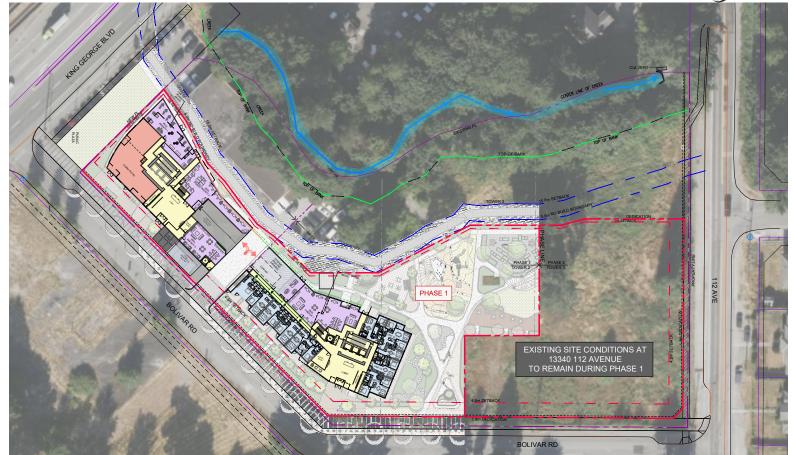












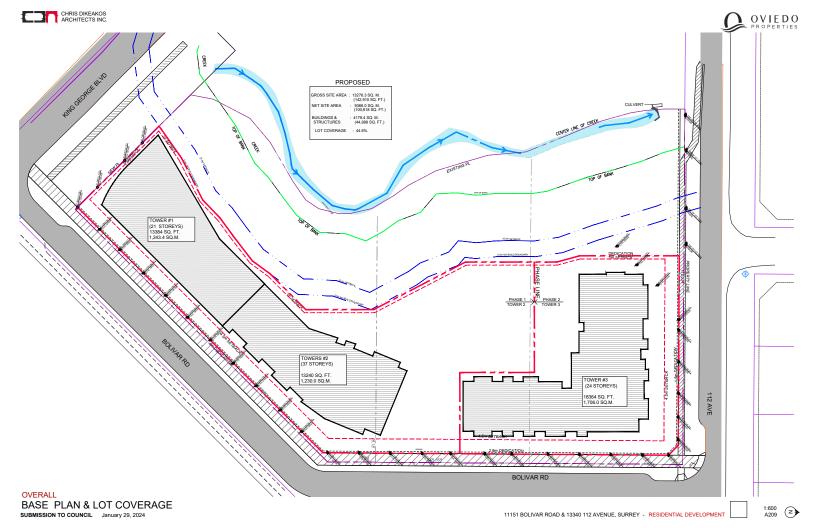
OVERALL PHASING PLAN - PHASE 1 SUBMISSION TO COUNCIL January 29, 2024

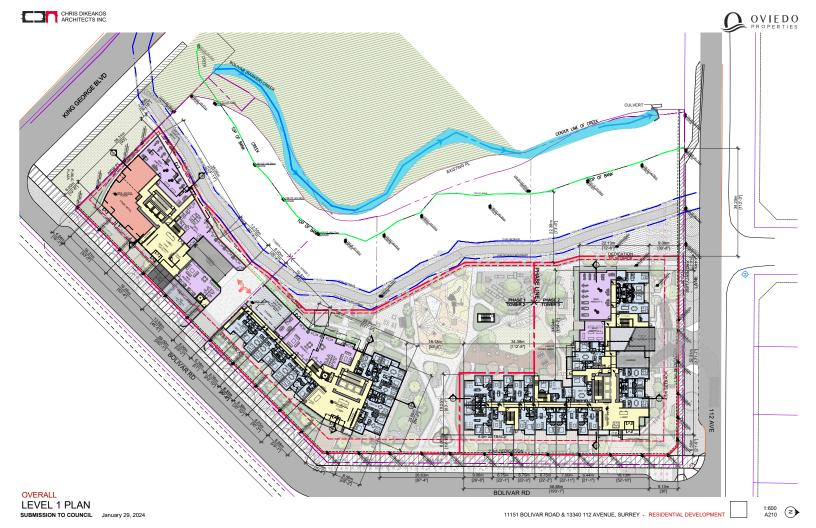






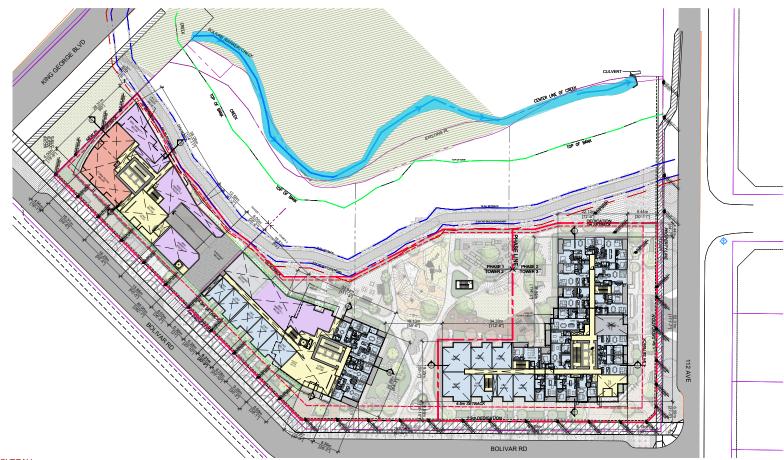
OVERALL
PHASING PLAN - PHASE 1 & 2
SUBMISSION TO COUNCIL
January 29, 2024







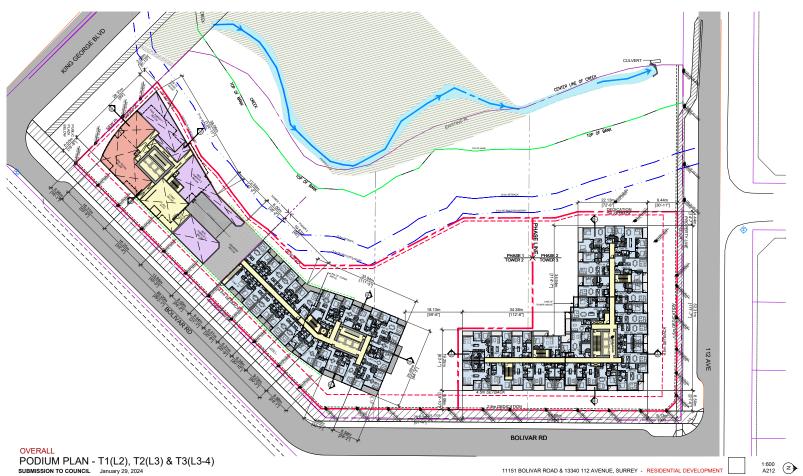




OVERALL

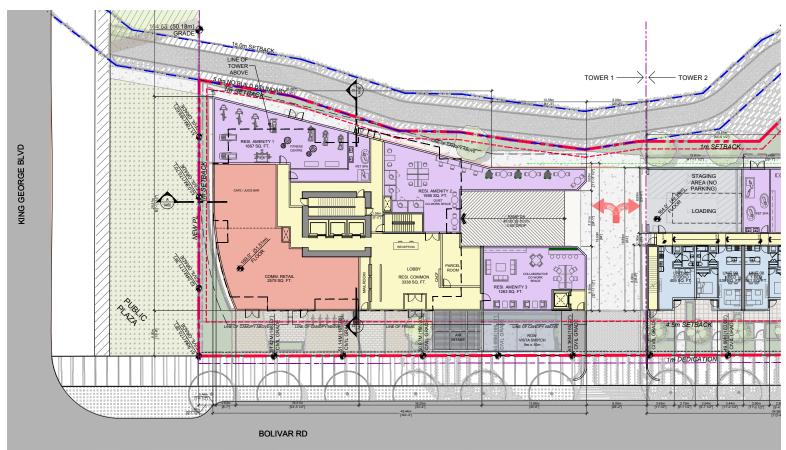
GROUND LEVEL PLAN - T1(L1 OVER RUN), T2(L2) & T3(L2) SUBMISSION TO COUNCIL January 29, 2024









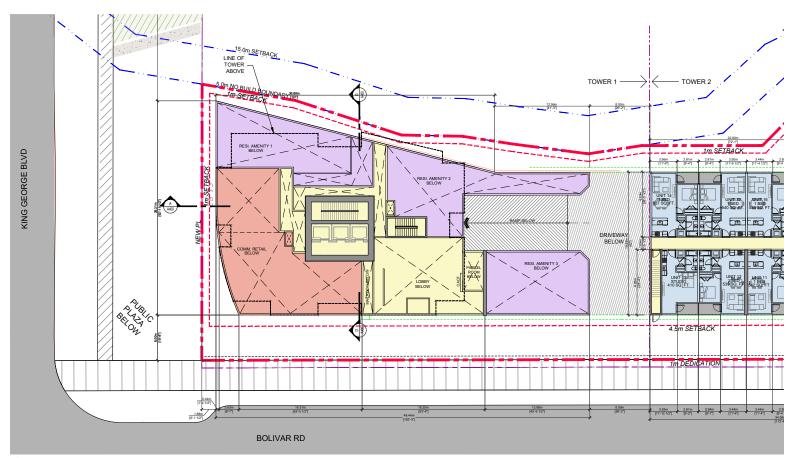


TOWER 1

LEVEL 1 FLOOR PLAN
SUBMISSION TO COUNCIL January 29, 2024







TOWER 1 **LEVEL 2 FLOOR PLAN** SUBMISSION TO COUNCIL January 29, 2024



MECHANICAL ROOM:

294 SQ. FT.

OVERHANG

5.75m [18'-10"] 32.88m [107'-9 1/2"]

D A400

1629 SQ. FT.

MEDIA ROOM

6.31m [20'-7 1/2"]

OVERHANG

4.94m [16'-1 1/2"]

2.31m [7'-6 1/2"]

1.81m [6] SCREENING ROOM

9.88m [32'-4"]

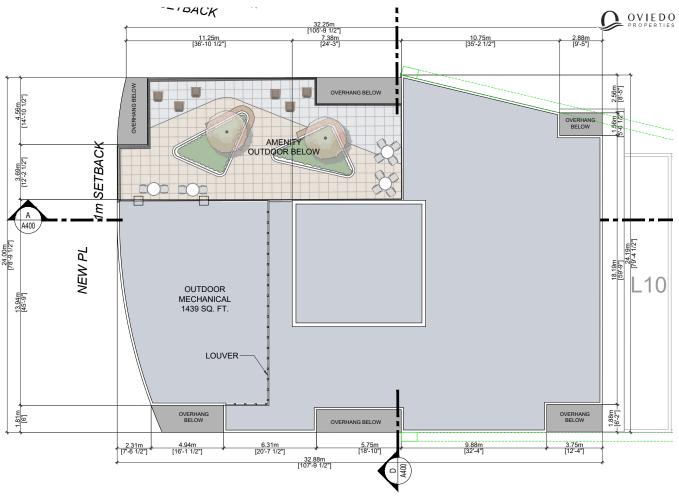
AMENITY 2 (INDOOR): 692 SQ. FT.

1.88m [6'-2"]-

OVERHANG

3.75m [12'-4"]











TOWER 2

LEVEL 1 FLOOR PLAN SUBMISSION TO COUNCIL January 29, 2024

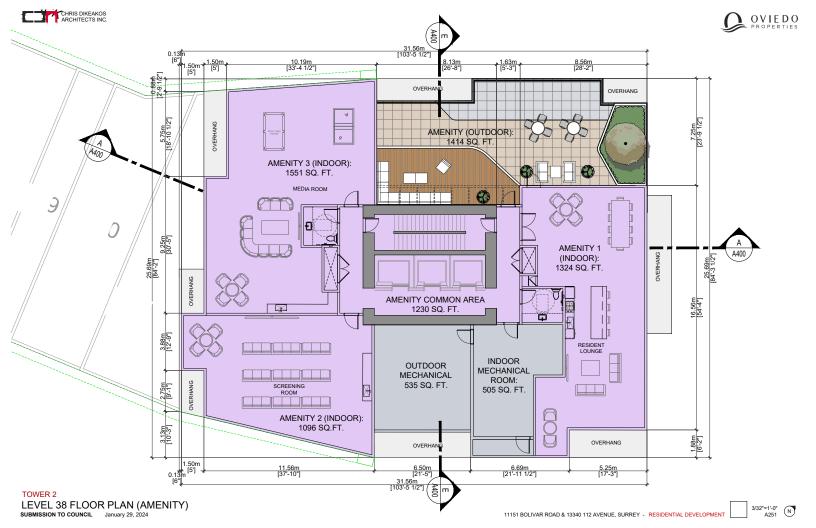


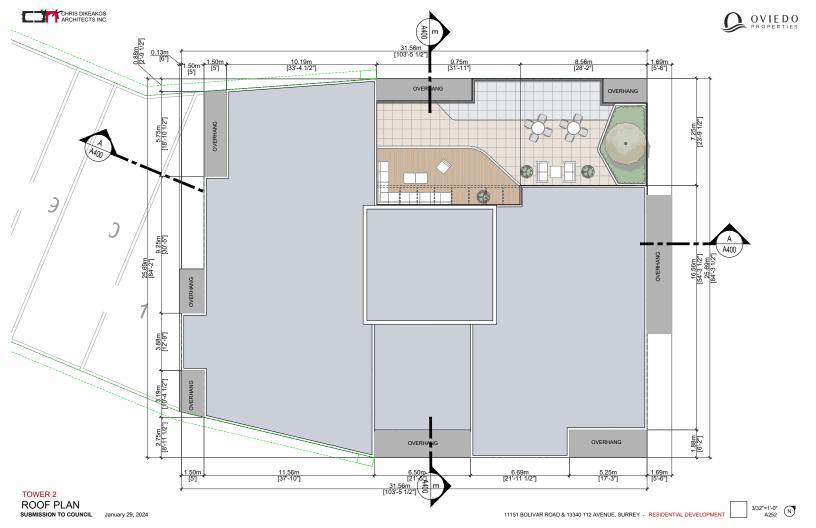


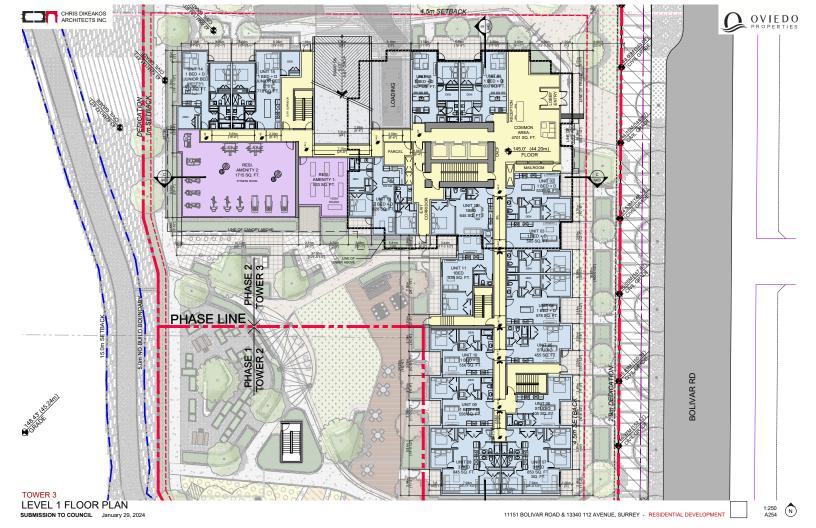


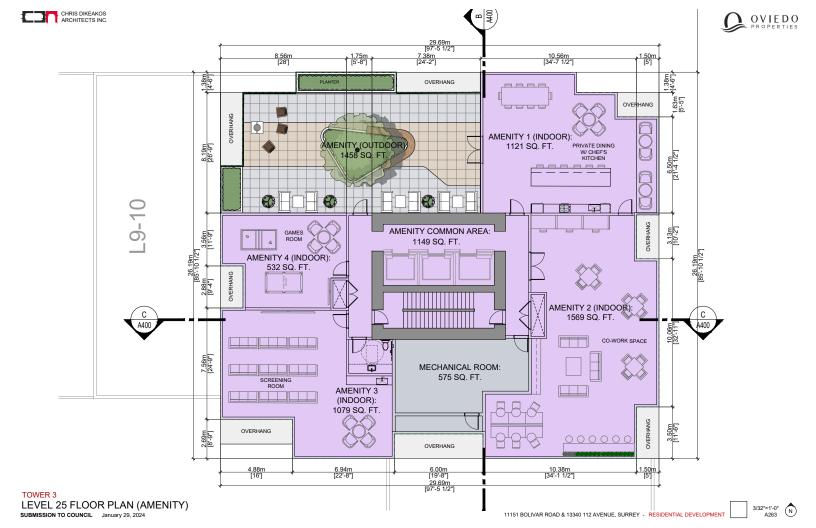
TOWER 2

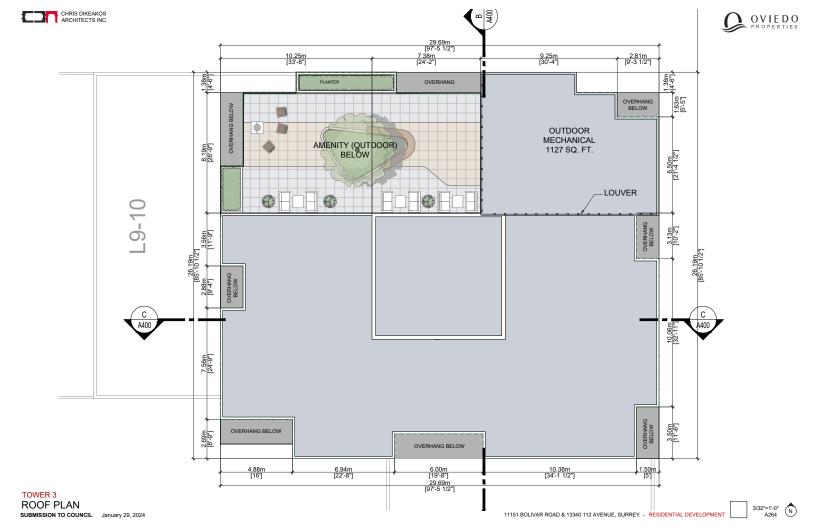
LEVEL 2 FLOOR PLAN SUBMISSION TO COUNCIL January 29, 2024















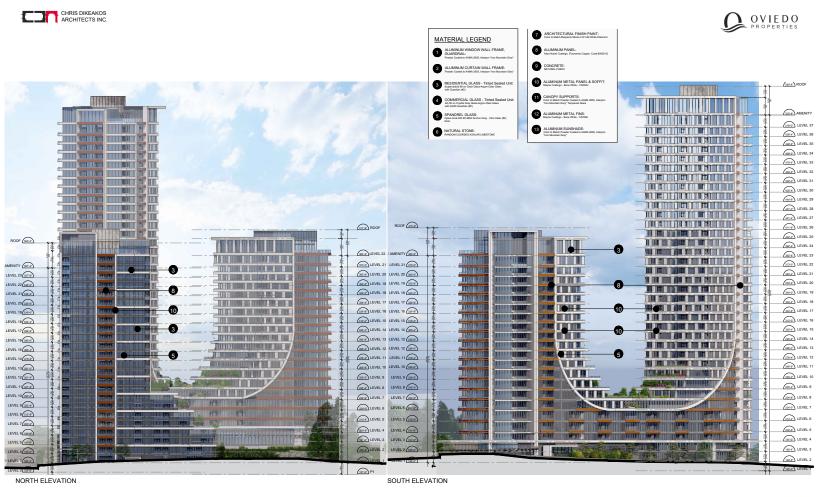


EAST ELEVATION







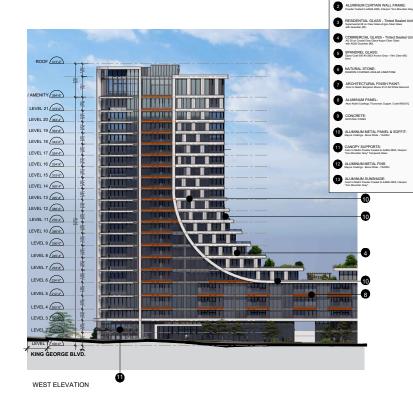


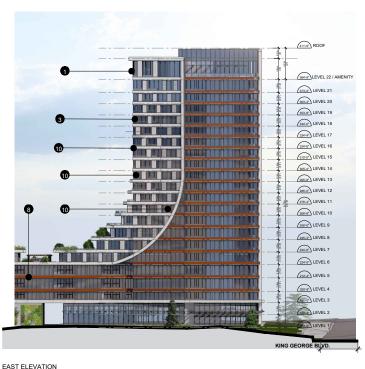




MATERIAL LEGEND

ALUMINUM WINDOW WALL FRAME,
GUARDRAIL:





TOWER 1 - TRUE ELEVATIONS
SUBMISSION TO COUNCIL January 29, 2024



ROOF 413-9"

LEVEL 21 (373-0°)

LEVEL 20 (365-4°)

LEVEL 19 (353-8")

LEVEL 18 34F-0

LEVEL 17 (33F-4")

LEVEL 16 (324-8°)

LEVEL 15 (315-0°)

LEVEL 14 (305'-4")

LEVEL 13 (295'-8")

LEVEL 12 (285-0°)

LEVEL 11 (276'-4")

LEVEL 10 (265-8")

LEVEL 9 (256'-0")

LEVEL 8 (245'-4")

LEVEL 7 (234-8°)

LEVEL 6 (224'-0")

LEVEL 5 212-4°

LEVEL 3 (1911-0*)

BOLIVAR ROAD

LEVEL 2 (1507-4")

EVEL 22 / AMENITY 384-8"







NORTH EAST ELEVATION SOUTH WEST ELEVATION

10

8







MATERIAL LEGEND ROOF ALUMINUM WINDOW WALL FRAME, GUARDRAII . 9 ALUMINUM CURTAIN WALL FRAME: SSE-6" AMENITY RESIDENTIAL GLASS - Tinted Sealed Unit: SIE-0" LEVEL 37 SSE-4" LEVEL 36 COMMERCIAL GLASS - Tinted Sealed Uni LEVEL 35 LEVEL 34 SPANDREL GLASS: LEVEL 33 LEVEL 32 6 NATURAL STONE: LEVEL 31 ARCHITECTURAL FINISH PAINT: LEVEL 30 LEVEL 29 8 ALUMINUM PANEL: (010) LEVEL 28 LEVEL 27 9 CONCRETE: LEVEL 26 10 ALUMINUM METAL PANEL & SOFFIT: 402-0" LEVEL 25 (392-4") LEVEL 24 8 CANOPY SUPPORTS:
Color to Match Powder Coated to AAMA 2005, Int Jaz-er LEVEL 23 (272-07) LEVEL 22 12 ALUMINUM METAL FINS: Mayne Coatings - Bone White - YACOD 363-4" LEVEL 21 ALUMINUM SUNSHADE: JST-6" LEVEL 20 Color to Match Powder Coated to AAMA 2005, Int "Iron Mountain Grey" (3H-67) LEVEL 19 236'-4" LEVEL 18 10 234-6" LEVEL 17 215-0" LEVEL 16 305-4" LEVEL 15 280-0" LEVEL 14 280-0" LEVEL 13 (278-4") LEVEL 12 LEVEL 11 LEVEL 10 6 245-4" LEVEL 9-DEST LEVEL 8 LEVELT (2124) LEVEL 6 LEVEL S 1970 LEVEL 4 LEVEL 3 LEVEL 1

EAST ELEVATION WEST ELEVATION





MATERIAL LEGEND

ALUMINUM WINDOW WALL FRAME GUARDRAIL:

2 ALUMINUM CURTAIN WALL FRAME:

RESIDENTIAL GLASS - Tinted Sealed Unit

4 COMMERCIAL GLASS - Tinted Sealed Unit

ARCHITECTURAL FINISH PAINT:

8 ALUMINUM PANEL: Akoo Nobel Coatings, Fluoromax Copper. Code: IV

10 ALUMINUM METAL PANEL & SOFFIT:

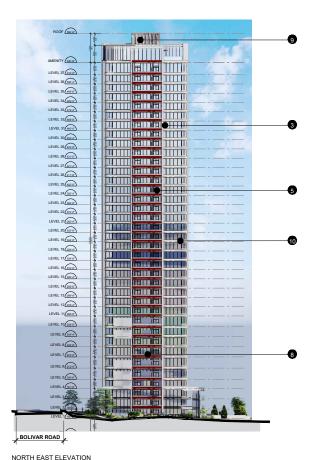
CANDOV SUIDDODTS

12 ALUMINUM METAL FINS: Mayne Coatings - Bone White - YA200

ALUMINUM SUNSHADE:

6 NATURAL STONE: RANDOM COURSED ASHL

9 CONCRETE:





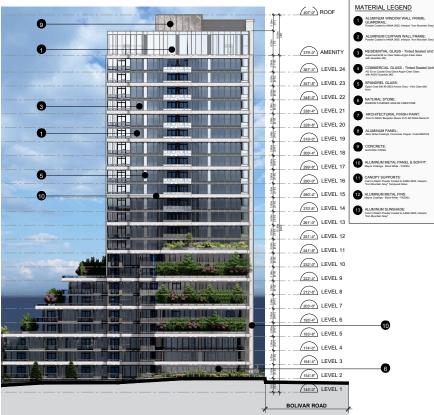
SOUTH WEST ELEVATION

TOWER 2 - TRUE ELEVATIONS
SUBMISSION TO COUNCIL January 29, 2024









SOUTH ELEVATION









TOWER 3 - TRUE ELEVATIONS

























VIEW FACING NORTH FROM KING GEORGE BLVD. SUBMISSION TO COUNCIL January 29, 2024



AERIAL VIEW FFACING NORTH WEST SUBMISSION TO COUNCIL January 29, 2024



VIEW FACING NORTH FROM CORNER OF KING GEORGE BLVD. AND BOLIVAR RD. SUBMISSION TO COUNCIL January 29, 2024

















VIEW FROM KING GEORGE BLVD. FACING EAST SUBMISSION TO COUNCIL January 29, 2024



VIEW FROM CORNER OF KING GEORGE BLVD. & BOLIVAR STREET FACING NORTH WEST







VIEW FACING WEST FROM THE CORNER JUNCTION OF BOLIVAR ROAD AND 111 AVE.

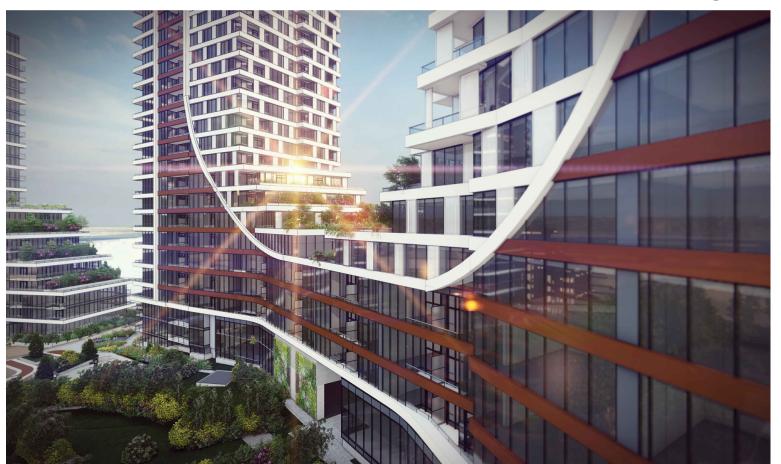
SUBMISSION TO COUNCIL January 29, 2024



VIEW FACING SOUTH WEST FROM THE CORNER OF BOLIVAR ROAD & 112 AVENUE SUBMISSION TO COUNCIL January 29, 2024









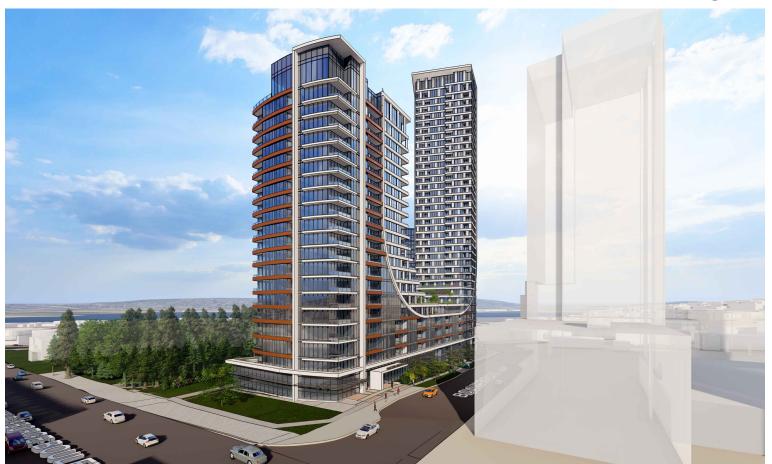




VIEW FACING SOUTH WEST FROM THE CORNER JUNCTION OF BOLIVAR ROAD AND 111 AVE.







VIEW FACING NORTH WEST FROM THE CORNER JUNCTION AT KING GEORGE BLVD. AND BOLIVAR RD.

SUBMISSION TO COUNCIL January 29, 2024 11151 BOLIVAR ROAD & 13340 112 AVENUE, SURREY - RESIDENTIAL DEVELOPMENT







VIEW FACING SOUTH WEST FROM THE CORNER JUNCTION OF BOLIVAR ROAD AND 112 AVE.

SUBMISSION TO COUNCIL January 29, 2024







VIEW FACING SOUTH WEST FROM BOLIVAR ROAD







VIEW FACING WEST FROM BOLIVAR ROAD SUBMISSION TO COUNCIL January 29, 2024







VIEW FACING EAST FROM BOLIVAR CREEK







VIEW FACING SOUTH EAST FROM 112 AVENUE











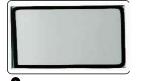


MATERIAL LEGEND

- ALUMINUM WINDOW WALL FRAME, GUARDRAIL: Powder Coated to AMM 2005, Interpon "Iron Mountain Grey"
- ALUMINUM CURTAIN WALL FRAME:
- RESIDENTIAL GLASS Tinted Sealed Unit: Supernutral 68 on Clear Glass-Argon-Clear Glass with Guardian (K2)
- COMMERCIAL GLASS Tinted Sealed Unit:
- PERFORATED METAL: MAYNE COATINGS Light Gray
- ARCHITECTURAL FINISH PAINT: Color to Match Benjamin Moore 2121-60 White Di
- ALUMINUM PANEL: Akzo Nobel Conlings, Fluoron

- ALUMINUM METAL PANEL & SOFFIT: Mayne Costings Bone White YA200U
- CANOPY SUPPORTS:
- ALUMINUM METAL FINS: Mayne Coatings Bone White YA200U





















SUBMISSION TO COUNCIL January 29, 2024

Bolivar Multi-Family Residential Development

Issued for Council Review



Location Map (NTS)

Contact Information

VDZ+A

Project Landscape Architecture

Fort Langley Studio 102 - 9181 Church Street Fort Langley, British Columbia, V1M 2R8

Mount Pleasant Studio Vancouver, British Columbia, V5T 3J7 Primary project contact: Phoenix Chan phoenix@vdz.ca Tel: (604) 546-0927

Alternate contacts (incase away): Mark van der Zalm Principal Landscape Architect mark@vdz.ca Tel: (604) 546-0920

Key Project Contacts

OVIEDO PROPERTIES

01-8310-130 Street

Surrey BC V3W 8J9

Tel: 778 218 2662

CHRIS DIKEAKOS ARCHITECTS INC.

Project Building Architecture

1635 W Broadway Vancouver BC V6J 1W9

Tel: 604 291 2660

Sheet List Table

Sheet Number	Sheet Title
L-01	COVER SHEETS
L-02	OVERALL SITE PLAN
L-03A	LANDSCAPE PLAN L1 NORTH
L-03B	LANDSCAPE PLAN L1 CENTRAL
L-03C	LANDSCAPE PLAN L1 SOUTH
L-04	L-04 LANDSCAPE PLAN T1- L6&L22
L-05 A	LANDSCAPE PLAN T2 - L6& L7
L-05 B	LANDSCAPE PLAN T2 - L8 & L37
L-06	LANDSCAPE PLAN T3 - L10& L25
LP-01	PLANTING PALETTE
LS-01	SECTIONS
LS-02	SECTIONS
LS-03	SECTIONS
LD-01	DETAILS
LD-02	DETAILS
LD-03	DETAILS
LD-04	DETAILS

3	PC	Reissued for Council	2024-01-29	
2	PC	Reissued for Rezoning / DP	2023-11-29	
1	PC	Issued for Rezoning / DP	2023-07-19	
No.	By:	Description	Date	
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No.	By:	Description	Date	
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Drawing Title:
COVER SHEETS

NORTH

VDZ Project #: DP2023-24

Bolivar Mixed-Use Development

Location: 11151 Bolivar Road 13340 112th Ave & 13307 King George Boulevard,

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100-9181 Church St Fort Langley, BC V1M 2R8 V5T 3J7

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No.	Ву:	Description	Date	

Bolivar Mixed-Use Development

Location: 11151 Bolivar Road, 13340 112th Ave. & 13307 King George Boulevard, Surrey, BC

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	WORK, ALL REZONING/DEPRAFHASE DRAWINGS MUST NOT BE PRICED FOR

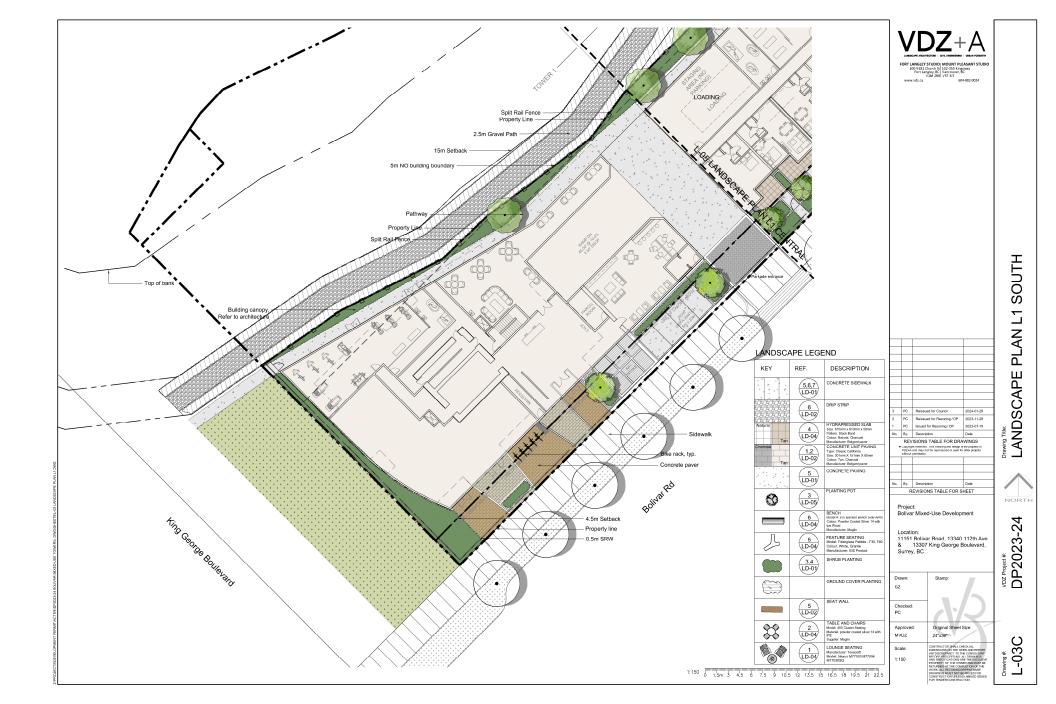
Drawing #: L-02

NORTH

VDZ Project #: DP2023-24









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> LANDSCAPE Drawing Title: L-04

VDZ Project #: DP2023-24

L-04

REVISIONS TABLE FOR SHEET Bolivar Mixed-Use Development

No. By: Description

Location: 11151 Bolivar Road, 13340 112th Ave. & 13307 King George Boulevard, Surrey, BC

Drawn: Stamp: DZ Checked: Approved: Original Sheet Size: MVDZ 24"x36" Scale:

LANDSCAPE LEGEND

KEY	REF.	DESCRIPTION
	7,8 LD-02	HYDRAPRESSED SLABS
		SHRUB PLANTING
•		MOVEABLE PLANTER
8-8		LOUNGE SEATING

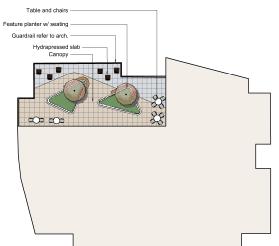
PLANT SCHEDULE T2

BOTANICAL / COMMON NAME

SIZE QTY CONT

Fagus sylvatica 'Dawyck Gold' / European Beech B&B, 6cm cal 2.5m ht 3

LANDSCAPE PLAN TOWER1- L6



UNIT 01 1 BED 551 SQ. FT.

TOWER 1 -

AMENITY (Tower 1 LEVEL 5 TOTAL 3384 SQ. FT.

LOUNGE

PARTY / GAME ROOM

PRIVATE DINING

UNIT 03 1 BED 523 SQ. FT

Tower 2 landscape refer to 1/I-05A Guardrail refer to arch.

Hydrapressed slab Table and chairs

0.80.8

800

Moveable planter Concrete raised -

planter at guardrail height 0

0

LANDSCAPE LEGEND

LANDSCAPE LEGEND		
KEY	REF.	DESCRIPTION
	7,8 LD-02	HYDRAPRESSED SLABS
(33)		SHRUB PLANTING
•		MOVEABLE PLANTER
E-8		LOUNGE SEATING

PLANT SCHEDULE T1

TREES BOTANICAL / COMMON NAME

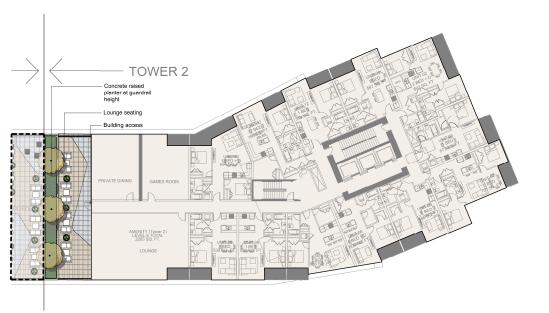
CONT Acer palmatum 'Seiryu' / Seiryu Japanese Maple B&B, 6cm cal 2.5m ht 2

SIZE QTY

1:150

2 LANDSCAPE PLAN TOWER1- L22
Scale 1:150

1:150 0 1.5m 3 4.5 6 7.5 9 10.5 12 13.5 15 16.5 18 19.5 21 22.5



LANDSCAPE LEGEND

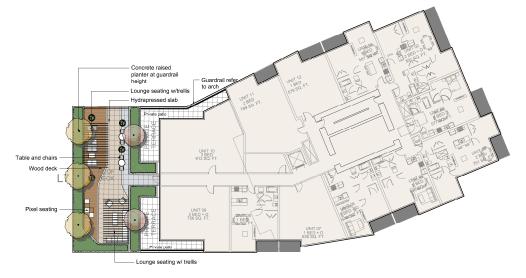
KEY	REF.	DESCRIPTION
	7,8 LD-02	HYDRAPRESSED SLABS
(33)		SHRUB PLANTING
•		MOVEABLE PLANTER
E0B		LOUNGE SEATING

PLANT SCHEDULE T2

TREES BOTANICAL / COMMON NAME CONT

Fagus sylvatica 'Dawyck Gold' / European Beech B&B, 6cm cal 2.5m ht 3

1 LANDSCAPE PLAN TOWER2- L6
Scale 1:150



LANDSCAPE LEGEND

KEY	REF.	DESCRIPTION
	7,8 LD-02	HYDRAPRESSED SLABS
		SHRUB PLANTING
•		MOVEABLE PLANTER
		LOUNGE SEATING

PLANT SCHEDULE

TREES	BOTANICAL / COMMON NAME	CONT	SIZE	QT
	Acer palmatum 'Seiryu' / Seiryu Japanese Mapie	B&B, 6cm cal	2.5m ht	2
	Fagus sylvatica 'Dawyck Gold' / European Beech	B&B, 6cm cal	2.5m ht	3

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REVISIONS TABLE FOR SHEET

Bolivar Mixed-Use Development

Location: 11151 Bolivar Road, 13340 112th Ave. & 13307 King George Boulevard, Surrey, BC

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1:150	REFORE PROCEEDING ALL DRAWNINGS AND SPECIFICATIONS ARE THE EXCLUSIVE

LANDSCAPE PLAN TOWER2- L7

1:150 0 1.5m 3 4.5 6 7.5 9 10.5 12 13.5 15 16.5 18 19.5 21 22.5

LANDSCAPE PLAN T2 - L6&

VDZ Project #: DP2023-24

⋖ L-05

REVISIONS TABLE FOR SHEET

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Scale:

1:150

LANDSCAPE LEGEND

KEY	REF.	DESCRIPTION
	7,8 LD-02	HYDRAPRESSED SLABS
		SHRUB PLANTING
•		MOVEABLE PLANTER
		LOUNGE SEATING

TREES	BOTANICAL / COMMON NAME	CONT	SIZE	QTY
	Acer palmatum 'Seiryu' / Seiryu Japanese Maple	B&B, 6cm cal	2.5m ht	2

PLANT SCHEDULE T2

ES	BOTANI
	Acer pal

1 LANDSCAPE PLAN TOWER2- L8
Scale 1:150

L7

Gravel path

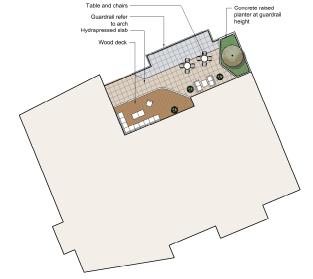
- Concrete raised

planter at guardrail height

to arch

- Guardrail refer

UNIT 08 2 BED + D 864 SQ. FT.



LANDOGADELEGEND

LANDSCAPE LEGEND				
KEY	REF.	DESCRIPTION		
	7,8 LD-02	HYDRAPRESSED SLABS		
		SHRUB PLANTING		
•		MOVEABLE PLANTER		
E-B		LOUNGE SEATING		

PLANT SCHEDULE T2

TREES	BOTANICAL / COMMON NAME	CONT	SIZE	QT
	Acer palmatum 'Seiryu' / Seiryu Japanese Maple	B&B, 6cm cal	2.5m ht	1

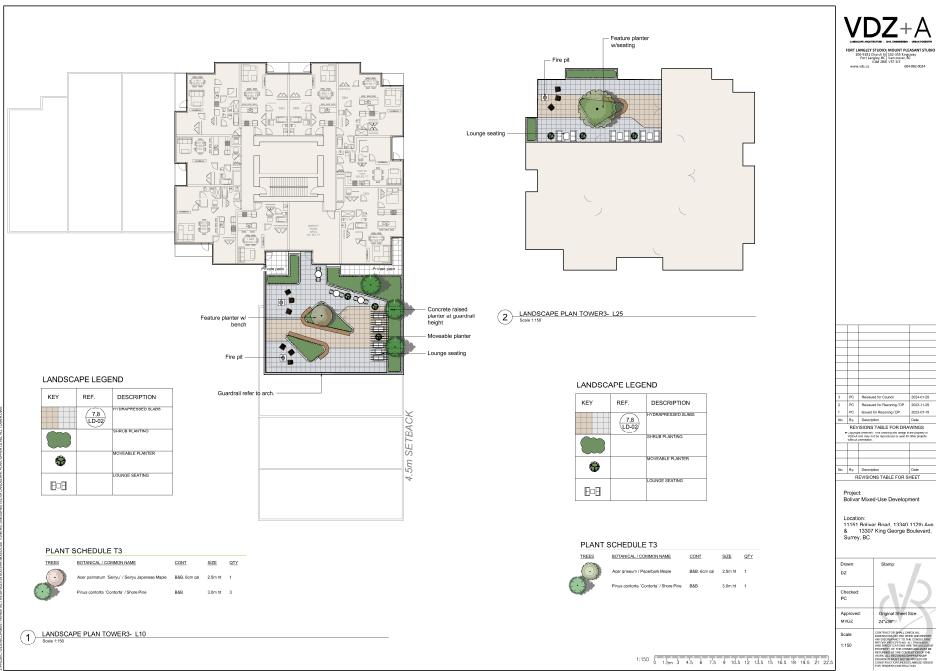
2 LANDSCAPE PLAN TOWER2- L37

1:150 0 1.5m 3 4.5 6 7.5 9 10.5 12 13.5 15 16.5 18 19.5 21 22.5

SIZE QTY

VDZ Project #.
DP2023-24

 $\mathbf{\omega}$ L-05



100-9181 Church St Fort Langley, BC V1M 2R8 V5T 3J7

L25 - L10& | PLAN T3

LANDSCAPE

2023-07-19

VDZ Project #: DP2023-24

& 13307 King George Boulevard,

Stamp: Original Sheet Size: 24"x36"

P-06



	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	QT
	Acer griseum / Paperbark Maple	B&B	6cm		9
	Acer palmatum / Japanese Maple	B&B	6cm cal		14
	Acer rubrum / Red Maple	B&B	6cm		4
	Cercidiphyllum japonicum / Katsura Tree	B&B	6cm		1
	Cornus kousa 'Autumn Rose' / Kousa Dogwood	B&B	6cm		13
	Fraxinus pennsylvanica 'Summit' / Summit Ash	B&B	6cm		7
	Magnolia kobus stellata 'Pink Star' / Pink Star Magnolia	B&B	6cm		1
	Parrotia persica 'JL Columnar' / Persian Spire™ Parrotia	565	бин		15
•	Pinus contorta / Shore Pine	B&B		3.0m ht.	2
	Styrax japonicus 'Pink Chimes' / Japanese Pink Snowbell Dwarf	B&B	6cm		6
EE	BOTANICAL / COMMON NAME	CONT	CAL	SIZE	QT
	Street Tree	B&B	6cm cal		28

COLOUR PALETTE Chartreuse I Pinks I Yellows





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Reissued for Rezoning / DP	2023-11-29

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 No. By: Description REVISIONS TABLE FOR DRAWINGS No. By: Description

REVISIONS TABLE FOR SHEET Project: Bolivar Mixed-Use Development

Location: 11151 Bolivar Road, 13340 112th Ave. & 13307 King George Boulevard, Surrey, BC

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Scale:	CONTRACTOR SHALL CHECK ALL DIVENSIONS ON THE WORK AND REPORT		



1:1000 0 10m 20 30 40 50 60 70 80 90 100 110 120 130 140 150



Bird Friendly Tree Species Low Maintenance





Seasonal color

PLANT SCHEDULE

SHRUBS Ab	BOTANICAL / COMMON NAME Abelia x grandiflora / Glossy Abelia	CONT #2
Bu	Buxus microphylla 'Winter Gem' / Globe Winter Gem Boxwood	#2
Eg	Euonymus fortunei 'Emerald Galety' TM / Emerald Galety Euonymus	#2
В	Imperata cylindrica 'Rubra' / Japanese Blood Grass	#1
V	Lavandula angustifolia 'Hidcote' / Hidcote Lavender	#2
L	Liriope muscari 'Big Blue' / Big Blue Lilyturf	#1
N	Nandina domestica 'Fire Power' / Firepower Nandina	#2
K	Pennisetum orientale 'Karley Rose' / Karley Rose Fountain Grass	#1
Р	Pinus mugo pumilio / Dwarf Mugo Pine	#2
Ro	Rosmarinus officinalis / Rosemary	#3
J	Skimmia japonica 'Rubella' / Skimmia	#3
S	Spiraea japonica 'Magic Carpet' / Magic Carpet Spirea	#2
Th	Taxus x media "Hicksii" / Hicks Yew	1.2m ht.

PRECEDENT IMAGES





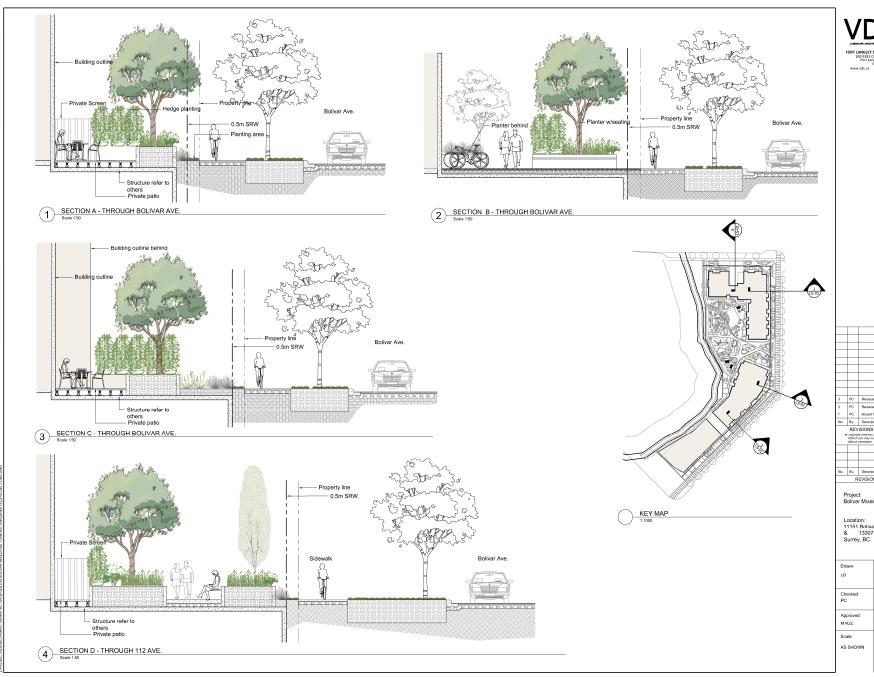




PLANTING PALETTE

NORTH

VDZ Project #.
DP2023-24



LAGICAM ANCHICUM I CIV. INMERSION I CHARA FICHERITY
FORT LANGLEY STUDIO, MOUNT PELSAANT STUDIO
100-1001, LOUIS-SQ. (103-55) (103-55 figness)
FORT Langley, EC. (104-100)
100-1001, AVAI 2001, VIV. 2010
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1001, AVAI
100

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Project: Bolivar Mixed-Use Development

Location: 11151 Bolivar Road, 13340 112th Ave. & 13307 King George Boulevard, Surrey, BC

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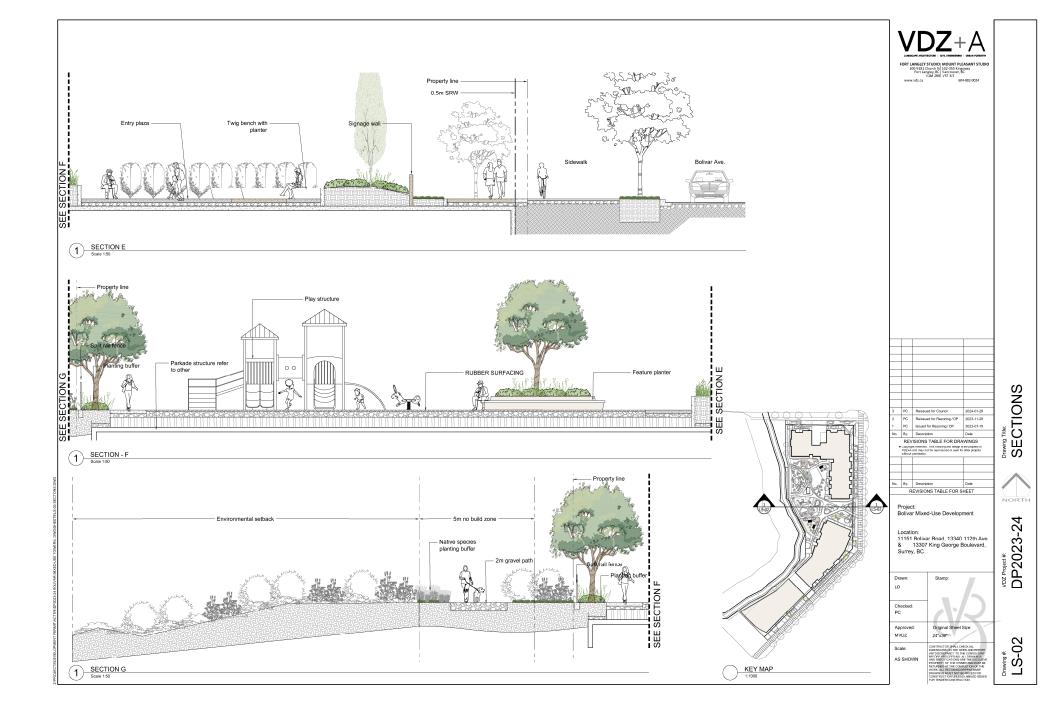
48 SHOWN

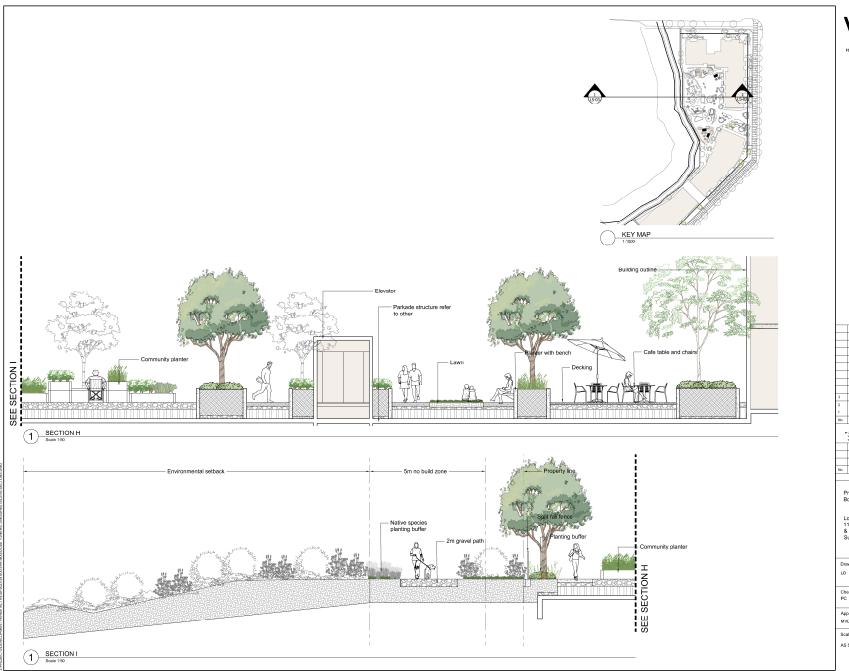
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Committee of the More Act Assessment Applications of the More Act As

Drawing #: LS-01

vDZ Project #: DP2023-24







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	PC	Issued for Rezoning / DP	2023-07-19
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Project: Bolivar Mixed-Use Development

Location: 11151 Bolivar Road, 13340 112th Ave. & 13307 King George Boulevard, Surrey, BC

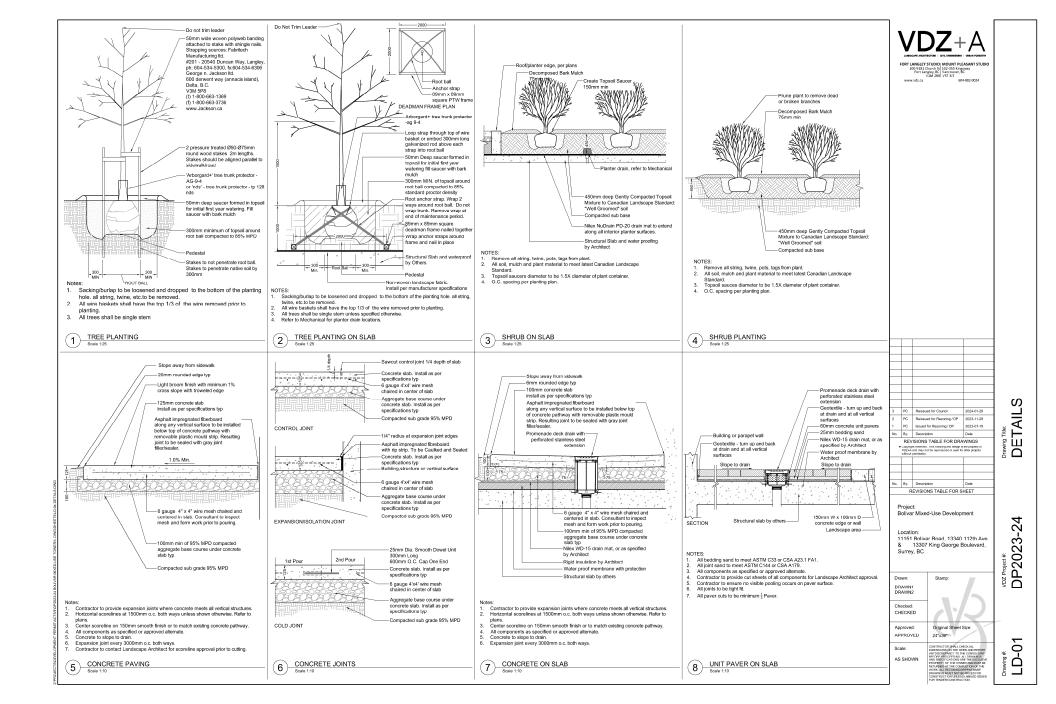
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	PROPERTY OF THE OWNER AND MUST BE RETURNED AT THE COMPLETION OF THE WORK, ALL REZONING/DPPPAFHASP

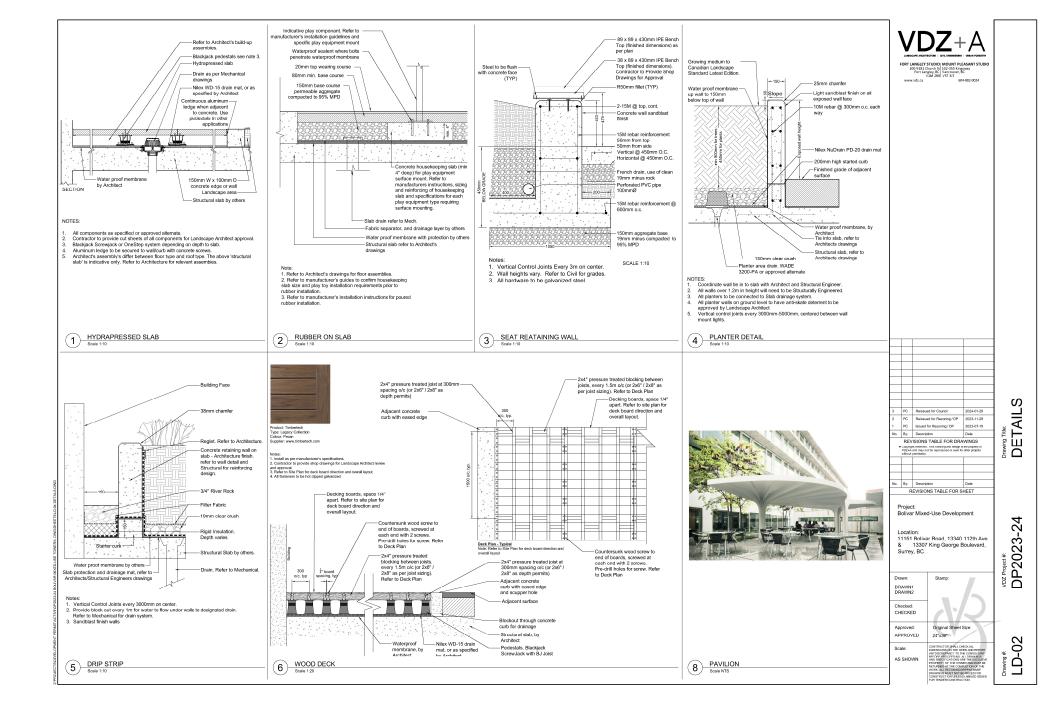
Drawing #: LS-03

Drawing Title:
SECTIONS

NORTH

vDZ Project #:
DP2023-24

















FORT LANGLEY STUDIO | MOUNT PLEASANT STUDIO 100-9181 Church Stl 102-355 Kingsway Fort Langley, BC | Vancouver, BC V1M 2R8 | V5T 317 www.vdz.ca | 604-882-0024

1 ENTRY PLAZA / TWIG BENCH WITH PLANTING BED Scale NTS

OPEN LAWN
Scale NTS

3 SEATING AREA
Scale NTS



4 LOUNGE SEATING
Scale NTS











8 PLAY GROUND WITH PLANY TOWER
Scale NTS 7 OUTDOOR KITCHEN
Scale NTS



Bolivar Mixed-Use Development Location: 11151 Bolivar Road, 13340 112th Ave. & 13307 King George Boulevard, Surrey, BC

REVISIONS TABLE FOR SHEET

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Scale:	CONTRACTOR SHALL CHECK ALL DIVENSIONS ON THE WORK AND REP ANY DISCREPANCY TO THE CONSULTS

5 TRELLIS
Scale NTS

6 STATIONARY
Scale NTS

Drawing #: LD-03

vDZ Project #: DP2023-24

DETAILS

6 DOG RELIEF STATION
Scale NTS

7 E-BIKE PARKING
Scale NTS

8 BIKE RACK
Scale NTS

Location: 11151 Bolivar Road, 13340 112th Ave. & 13307 King George Boulevard, Surrey, BC

Drawn:	Stamp:
DRAWN1 DRAWN2	_ /-
Checked: CHECKED	71./~
Approved: APPROVED	Original Sheet Size: 24"x35"
Scale: AS SHOWN	CONTRACTOR SHALL CHECK ALL DIMENSIONS ON THE WORK AND REP ANY DISCREPANCY TO THE CONSULT, REFORS PROCEFFORM ALL DRAWNER AND SPECIFICATIONS ARE THE EXCL PROPERTY OF THE OWNER AND MUS RETURNED AT THE COMPLETION OF
	WORK, ALL REZONING/DP/PRAFHA/SI

Drawing #: LD-04

vDZ Project #: DP2023-24

DETAILS



INTER-OFFICE MEMO

TO: Director, Area Planning & Development

- North Surrey Division

Planning and Development Department

FROM: Development Services Manager, Engineering Department

DATE: **January 23, 2024** PROJECT FILE: **7823-0234-00**

RE: Engineering Requirements

Location: 13307 King George Blvd., 11151 Bolivar Rd., and 13340 - 112 Ave

OCP AMENDMENT & CCP AMENDMENT

The following issues are to be addressed as a condition of the OCP Amendment/NCP Amendment:

The applicant is required to complete a sanitary sewer capacity analysis downstream of the subject application due to the proposed Land use plan amendment which will result in increased population and subsequent sanitary demand. The applicant will be required to resolve any downstream pipe capacity constraints.

REZONE/SUBDIVISION

Property and Right-of-Way Requirements

- Dedicate 0.942 m on Bolivar Road;
- Dedicate 3 m x 3 m corner cut at Bolivar Road and 112 Avenue;
- Dedicate 1.942 m on 112 Avenue; and
- Register 0.5 m statutory right-of-way (SRW) along Bolivar Road and 112 Avenue road frontages for maintenance.

Works and Services

- Construct north side of King George Boulevard;
- Construct west side of Bolivar Road:
- Construct south side of 112 Avenue;
- Construct concrete letdowns to Bolivar Road and 112 Avenue:
- Construct adequately-sized service connections (drainage, water, and sanitary), complete with inspection chambers/water meter, to the lot; and
- Construct required servicing mains (drainage, water, and sanitary) along the site frontage in order to meet frontage requirements and to provide servicing to the development site.

DEVELOPMENT PERMIT

There are no engineering requirements relative to issuance of the Development Permit.

Jeff Pang, P.Eng.

Jeffy lang

Development Services Manager

M51



Department: Planning and Demographics

Date: January 16, 2024
Report For: City of Surrey

Development Impact Analysis on Schools For:

Application #: 23 023

The proposed development of 967 High Rise Apartment unit are estimated to have the following impact on elementary and secondary schools within the school regions.

School-aged children population projection 35

Projected Number of Students From This Development In:		
Elementary School =	19	
Secondary School =	10	
Total Students =	29	

Current Enrolment and Capacities:		
James Ardiel Elementary		
Enrolment	444	
Operating Capacity	481	
# of Portables	0	
Kwantlen Park Secondary		
Enrolment	1594	
Operating Capacity	1200	
# of Portables	16	

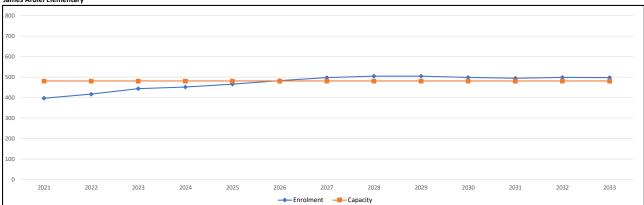
Summary of Impact and Commentary

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.

James Ardiel Elementary 10 year projections indicate enrolment is starting to trend upwards. A portion of the catchment runs along the northeast side of King George Boulevard. The City Center plan allows for higher densities along the boulevard's edge, transforming the area from commercial to mixed-residential. The timing of future high rise development, with good market conditions, could impact the enrolment growth upwards even more. The projections used in this report can be considered conservative. James Ardiel still has available student space to accommodate the early part of this growth.

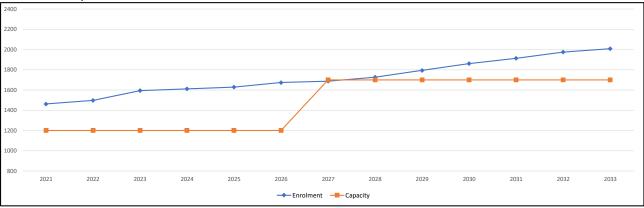
As of September 2023, Kwantlen Park Secondary is currently operating at 133% with 16 portables on site used for enrolling classes and is projected to grow by 450 students over the next 10 years. This school will also be impacted by timing of future high-rise development in the area. In February 2023, the District received capital funding approval from the Ministry to build a 500-capacity addition, targeted to open in the fall of 2027.

James Ardiel Elementary



Note: If this report is provided in the months of October, November and December, the 10-year projections are out of date and they will be updated in January of next year.





Note: If this report is provided in the months of October, November and December, the 10-year projections are out of date and they will be updated in January of next year

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.





Table 3: Tree Preservation Summary

Surrey Project No: TBD

Address: 11307 King George Blvd, 11151 Bolivar Rd, 13340 112 Ave, Surrey, BC.

Registered Arborist: D.Glyn Romaine - ISA Certified Arborist PN-7929A

On-Site Trees	Number of Trees
Protected Trees Identified (On-site and shared trees, including trees within boulevards and proposed streets and lanes, but excluding trees in proposed open space or riparian areas)	9
Protected Trees to be Removed	9
Protected Trees to be Retained (Excluding trees within proposed open space or riparian areas)	0
Total Replacement Trees Required:	
Alder & Cottonwood Trees Requiring 1 to 1 Replacement Ratio 5×0 one (1) = 5 All other Trees Requiring 2 to 1 Replacement Ratio 4×0 two (2) = 8	13
Replacement Trees Proposed	72
Replacement Trees in Deficit	0
Protected Trees to be Retained in Proposed [Open Space / Riparian Areas]	37
Off-Site Trees	Number of Trees
Protected Off-Site Trees to be Removed	1
Total Replacement Trees Required:	
Alder & Cottonwood Trees Requiring 1 to 1 Replacement Ratio	2
Ox one (1) = 0 All other Trees Requiring 2 to 1 Replacement Ratio $1 \times \text{two (2)} = 2$	
Replacement Trees Proposed	0
Replacement Trees in Deficit	2

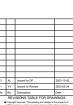
Summary, report, and plan prepared and submitted by: D.Glyn Romaine

(Signature of Arborist)

December 05, 2023

Date





REVISIONS TABLE FOR SHEET

Bolivar mixed use development

11151 Bolivar Road, 13340 112 Avenue & 13307 King George Boulevard. Surrey, B.C.

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pproved:	Original Sheet Size: 24"x36"

4R-01

AR2023-09

PLAN

MANAGEMENT

TREE

CITY OF SURREY

(the "City")

DEVELOPMENT VARIANCE PERMIT

NO.: 7923-0234-00

Issued To:

(the "Owner")

Address of Owner:

- 1. This development variance permit is issued subject to compliance by the Owner with all statutes, by-laws, orders, regulations or agreements, except as specifically varied by this development variance permit.
- 2. This development variance permit applies to that real property including land with or without improvements located within the City of Surrey, with the legal description and civic address as follows:

Parcel Identifier: 011-154-110 Lot 1 Section 15 Block 5 North Range 2 West New Westminster District Plan 5347

13340 112 Avenue

Parcel Identifier: 011-154-136 Lot 2 Section 15 Block 5 North Range 2 West New Westminster District Plan 5347

11151 Bolivar Road

Parcel Identifier: 011-154-462 Lot 3 Except: Part On Statutory Right Of Way Plan 5719, Section 15 Block 5 North Range 2 West New Westminster District Plan 5347

13307 King George Boulevard

(the "Land")

3. (a) As the legal description of the Land is to change, the City Clerk is directed to insert the new legal description for the Land once titles have been issued, as follows:

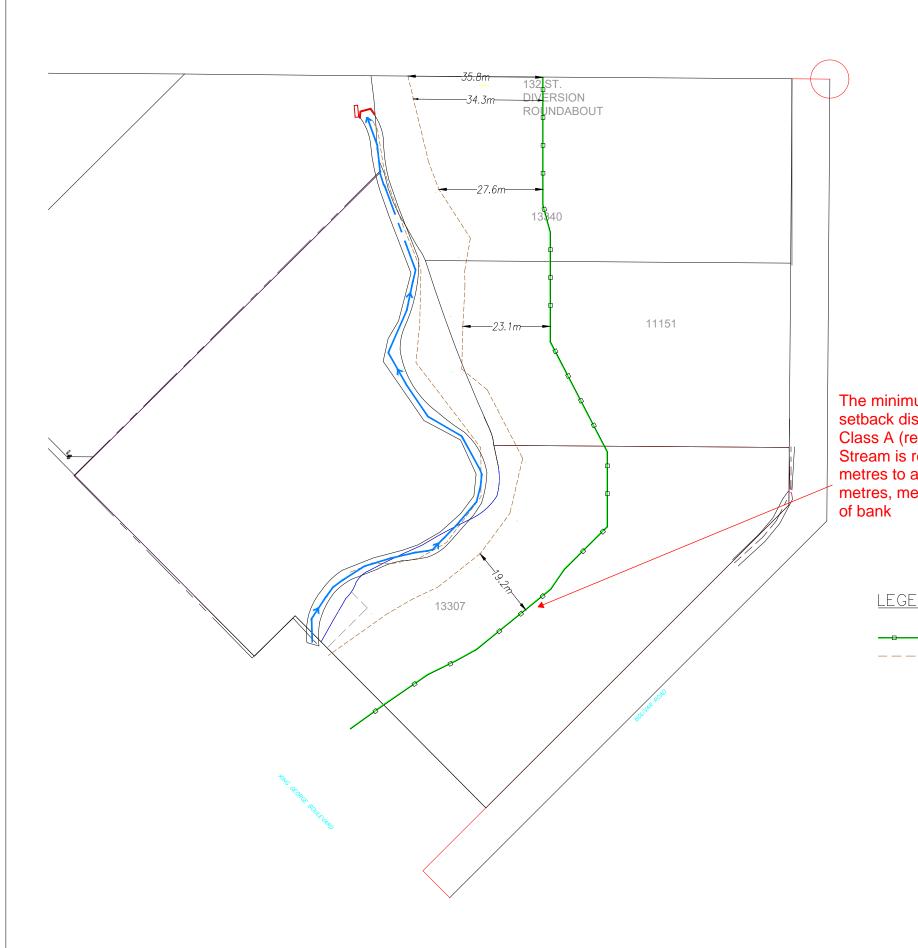
Parcel Identifier:

If the civic addresses change, the City Clerk is directed to insert the new civic

(b)

		address(es) for the Land, as follows:
4∙	Surrey Sched	Zoning By-law, 1993, No. 12000, as amended, is varied as follows and as shown in ule A:
	(a)	In Section B.1 in Part 7A, Stream Protection, the minimum streamside setback distance for a Class A (red-coded) Natural Stream is reduced from 30 metres to a minimum of 19.2 metres, measured from top of bank.
5.		and shall be developed strictly in accordance with the terms and conditions and ions of this development variance permit.
б.	constr	evelopment variance permit shall lapse if the Owner does not substantially start any ruction with respect to which this development variance permit is issued, within two ars after the date this development variance permit is issued.
7.		erms of this development variance permit or any amendment to it, are binding on all ns who acquire an interest in the Land.
3.	This d	evelopment variance permit is not a building permit.
	HORIZIN ED THIS	NG RESOLUTION PASSED BY THE COUNCIL, THE DAY OF , 20 . DAY OF , 20 .
		Mayor – Brenda Locke
		City Clerk – Jennifer Ficocelli

Schedule A



The minimum streamside setback distance for the Class A (red-coded) Natural Stream is reduced from 30 metres to a minimum of 19.2 metres, measured from top

LEGEND:

---- PROPOSED SPA ---- TOB



PROJECT LOCATION

13307 KING GEORGE BLVD., 11151 BOLIVAR ROAD, & 13340 112 AVENUE

PROJECT NUMBER 21 - 230R

DRAWN BY:

BRITTANY FEAVER

DATE:

JAN 24 2023

SCALE:

1:1000

SHEET:

1 of 3

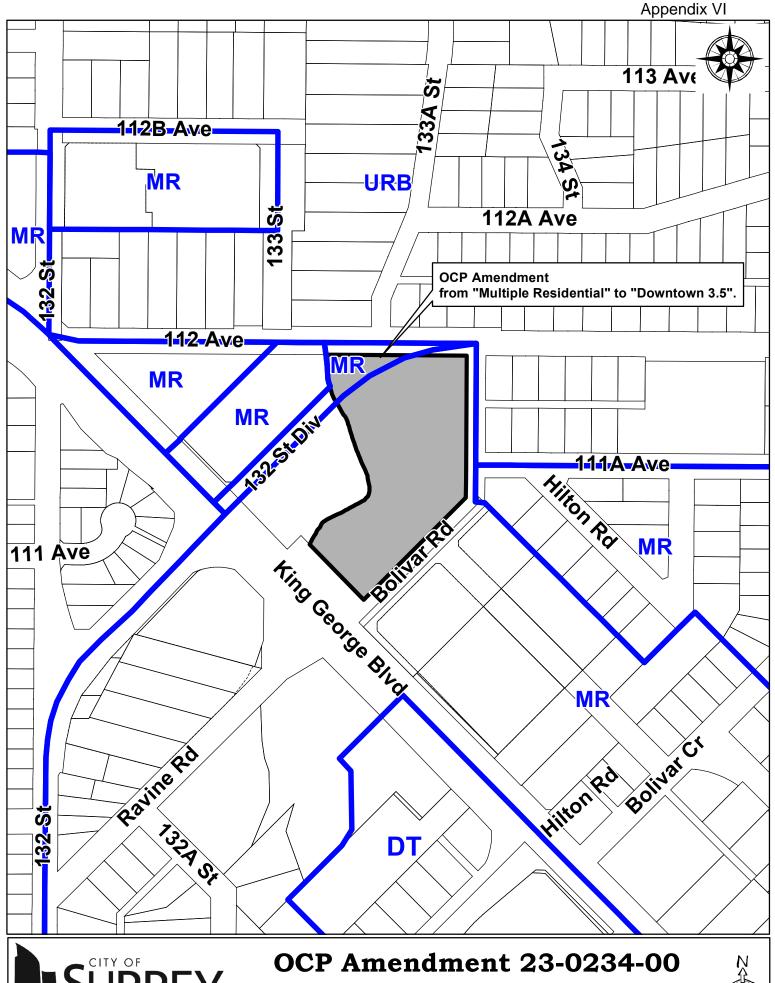
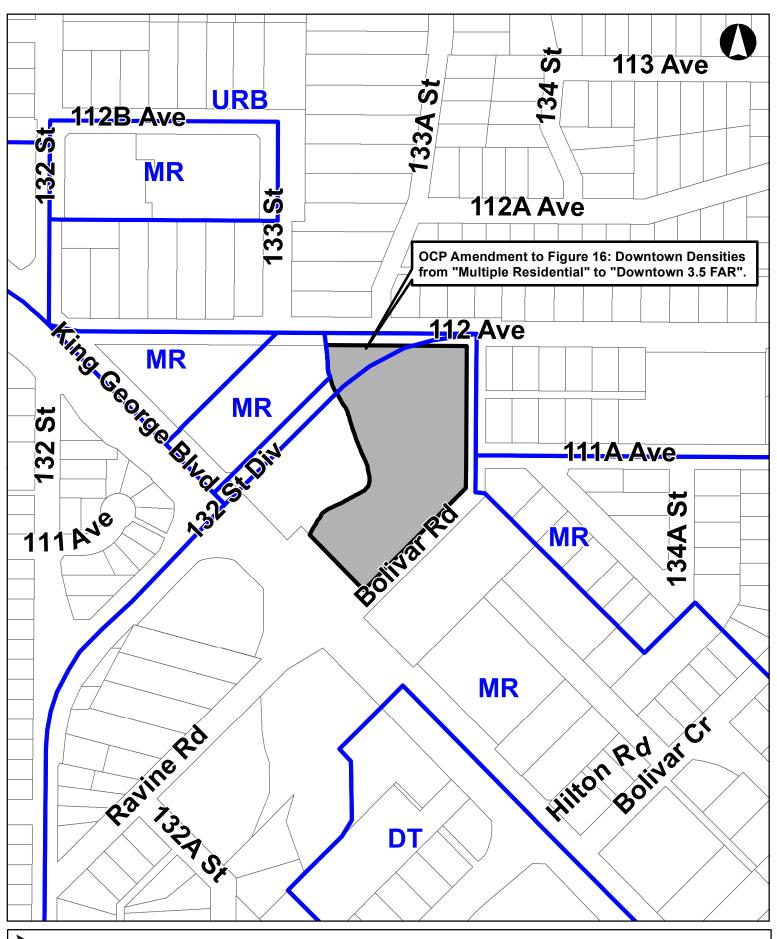




Figure 3 from "Multiple Residential" to "Downtown 3.5".







OCP Amendment 23-0234-00

OCP Amendment to Figure 16: Downtown Densities from "Multiple Residential" to "Downtown 3.5 FAR".





Advisory Design Panel Minutes

Location: Virtual

THURSDAY, DECEMBER 14, 2023

Time: 4:00 p.m.

Present: Guests: Staff Present:

Panel Members: Richard Bernstein, Chris Dikeakos Architects Inc N. Couttie, Chair Mani Mahmoudian, Chris Dikeakos Architects Inc. S. MacRae Kanwar Dhamrait, Oviedo Group M. Mitchell Tom Gill, Tangerine Developments J. Packer

Mark van der Zalm, Van Der Zalm & Associates

R. Salcido Dylan Chernoff, Durante Kreuk Ltd. A. McLean, City Architect

S. Maleknia, Senior Urban Design

Planner

A. Yahav, Clerk 3

A. **RECEIPT OF MINUTES**

Moved by J. Packer It was Seconded by R. Salcido

That the minutes of the Advisory Design Panel

meeting of November 23, 2023, be received.

Carried

В. **NEW SUBMISSION**

1. 4:05 p.m.

File No.: 7923-0234-00

New or Resubmit: New Last Submission Date: N/A

Description: The application includes a Rezoning from CHI to CD (Based

> on RM-135 and C-8), OCP Amendment from "Multiple Residential" to "Downtown 3.5", City Centre Plan

Amendment from "Low to Mid Rise" to "Mid to High Rise

Mixed Use", and Development Permit for Sensitive

Ecosystems & Hazard Lands in order to allow for 3 towers (21, 24 and 37-storeys), with a total of 967 residential dwelling units, and 237 sq. m. of commercial space. The

overall gross FAR is 4.19.

13307 KGB, 11151 Bolivar Rd. & 13340 112 Avenue) Address:

Developer: BC1333828 Ltd

Richard Bernstein, Chris Dikeakos Architects Inc Architect: Landscape Architect: Mark van der Zalm, Van Der Zalm & Associates

Ingrid Matthews Planner: Sam Maleknia Urban Design Planner:

The Urban Design Planner gave an overview of the policy and area context, proposed FAR and the riparian interface, including dedications and rights of way. He advised that staff has worked with the applicant to enhance and conceptualize the overall site plan and massing, and generally supports the overall project.

The Panel was asked to comment on the form, architecture, programming, public realm interfaces, and landscape concept.

The Project Architect presented an overview of the site planning, 3D flythrough, streetscapes, building concept, and 3D Views.

The Landscape Architect presented an overview of the general concept for the Landscape design.

ADVISORY DESIGN PANEL STATEMENT OF REVIEW

It was Moved by M. Mitchell

Seconded by S. MacRae

That the Advisory Design Panel (ADP) SUPPORT

the project and recommends that the applicant address the following issues to the satisfaction of the Planning & Development Department.

Carried

Key Points

- Consider some covered amenity spaces and walkways.
 Canopies around amenity spaces and walkways have been provided. Please refer to sheets A221, A240, A254, A400 set, A500 sheets and Landscape set.
- Consider further integration of the phase one and phase two styles to create a stronger relationship between them.
 - This has been discussed with Planner and decided to keep the styles different for the two phases to provide distinctive identities. We feel there are enough visual references through colour materials and overall building massing and expression to provide cohesiveness between the phases without giving the design too much of a "project" look through repetition.
- Consider further development of energy modelling.
 Noted. We are in communication with our mechanical engineering consultant and will provide this as soon as the energy modelling is completed.
- Consider the addition of indoor and outdoor E-bike parking.
 The architectural team will be providing indoor E-bike parking in the upcoming design development stages. The Landscape team has provided outdoor E-bike parking which is noted on plan. See drawing L-03A and Detail 7 on LD-04.

Site

Recommend providing better demonstration of improvements to creek area and setback area being proposed by the development that will allow this project to request the variance to reduce the required setback from (30m) to (20m).
 4377m2 of low-value habitat will be converted to higher value forested habitat. Also,

refuse and structures from the stream and ravine top of back will be permanently removed from the riparian area.

Form and Character

• Attractive building with handsome material choices. Consider emphasizing the lobby entry to the Phase 2 building.

The entry to the Phase 2 building is emphasized with a metal frame surrounding it. Please refer to sheets A254 and A514.

Landscape

- Recommend providing additional buffer between gym areas and public walkways.
 - Additional buffering has been done where possible, however the environmental setbacks and property line location at this end of the project make it difficult and, in some cases, impossible to add more buffering. Significant plantings, and fencing have been provided to create a reasonable and, in some cases, expansive buffer zone to public multi-use pathways. See drawing L-02 & L-03A.
- Consider integrating some covered area along the creek side of the project to allow promenading and use in winter and rainy days.

 Some covered area has been integrated into the amenity areas and additional overhang has been provided for by architecture. Pavilion added to the project between open lawn and community garden and on playground to cover the Twig Bench seating. See drawing L-03 A & L-03B and Detail 8 on LD-02.
- Ensure all trees have adequate soil volume and depth.
 All trees will have adequate soil volume to meet city of Surrey expectations from "Trees and Landscape".
- Ensure diversity in tree and shrub species for optimum wildlife habitat and four-season interest.
 Care has been taken to provide diversity in planting palette to support pollinators
 - and other wildlife. In addition, native and resilient plant communities have been considered and will be provided in a fully complete planting plan at finalized development permit drawings.
- Consider reviewing amenity areas to ensure weather protection.
 Some covered spaces have been added for the outdoor amenity spaces particularly near the play area and for seating/social spaces adjacent. Pavilion added to the project between open lawn and community garden and on playground to cover the Twig Bench seating. See drawing L-03 A & L-03B and Detail 8 on LD02.
- Consider providing dog relief stations for residents with pets.
 Additional dog relief areas have been provided. Outdoor dog relief station added close to Tower 2 back side amenity entry. See drawing L-03B and Detail 6 on LD-04.
- Consider providing more diverse programming, including play spaces, active
 and passive zones, eating areas, and work or office zones.
 The play offering in the outdoor amenity space is significantly diverse: play areas,
 passive social spaces, community gardening, outdoor kitchen and eating spaces,
 "work from home" spaces with plug ins for recharge of laptops and phones, walking
 loops, and stretching/exercise space as well as ample space for outdoor
 performance or fitness programming.

CPTED

No specific issues were identified.

Sustainability

- Consider energy modeling at earlier stages of the project to help inform the design process.
 - Noted. We are in communication with the mechanical consultant and will provide this as soon as the modelling is completed.
- Consider using future climate files for thermal comfort modeling to test resiliency and ensure livability in the future.
 - Noted. This will be provided in our upcoming design development stages.
- Consider the location of HRVs and heat pumps at the early stages of the design; for a little bit more space, significantly better units can be produced. This will render higher efficiency, lower noise, better filtration, and (critically) summer bypass.
 - Noted. This will be provided in our upcoming design development stages.
- Consider high-quality bike amenities including good wayfinding for bicyclists, automatic door operators to ease entry and exit, ample room for cargo bikes and trailers, and electric bike charging.
 - Noted. This will be considered in our upcoming design development stages.
- Consider the addition of indoor and outdoor E-bike parking.
 The architectural team will be providing indoor E-bike parking in the upcoming design development stages. The Landscape team has provided outdoor E-bike parking which is noted on plan. See drawing L-03A and Detail 7 on LD-04.
- Consider incorporating a bike maintenance area that can also serve as a casual space for interaction.
 - Provided. Please see Plans A200.
- Consider how bicyclists interact with pedestrians and drivers both on the
 ground plane and within buildings to inform layout and design decisions.
 A bike elevator shared with commercial has been provided in Phase 1 and will be
 opening onto the walkway facing Bolivar Road. This will allow for safe movement
 between loading trucks, cars and bicyclists. Please refer to sheets A200 to A203 and
 A210.
- Consider how best to encourage waste management with both a three-stream
 in-suite system and central recycling rooms that are well-lit, include sorting
 tables, and include pictograms to address language barriers.
 Noted. This will be considered in our upcoming design development stages.
- Consider including a resilient water access point that residents can access in the
 event of a power outage so everyone can fill vessels when city water pressure
 will not reach the top of the towers. Noted. This will be included in our
 construction document stage of work.
- Consider opportunities to maximize operable window area and opportunities
 for cross ventilation for passive cooling and ventilation.
 Residential units for all three towers and podium levels will have operable windows
 and/or patio doors facing their respective balconies. This is in addition to windows
 facing outwards from primary bedroom and living room areas. Also, corner larger
 units will have cross-ventilation in living rooms with exposures on two faces of the

buildings. Please refer to the A500 sheets set.

 Consider strategies for minimizing the potential for birds striking the building; this could include bird-friendly glazing, lighting design, and landscaping.
 Noted. This will be considered during our design development and construction document stages.

Accessibility

• No specific issues were identified.

C. OTHER BUSINESS

1. Roundtable

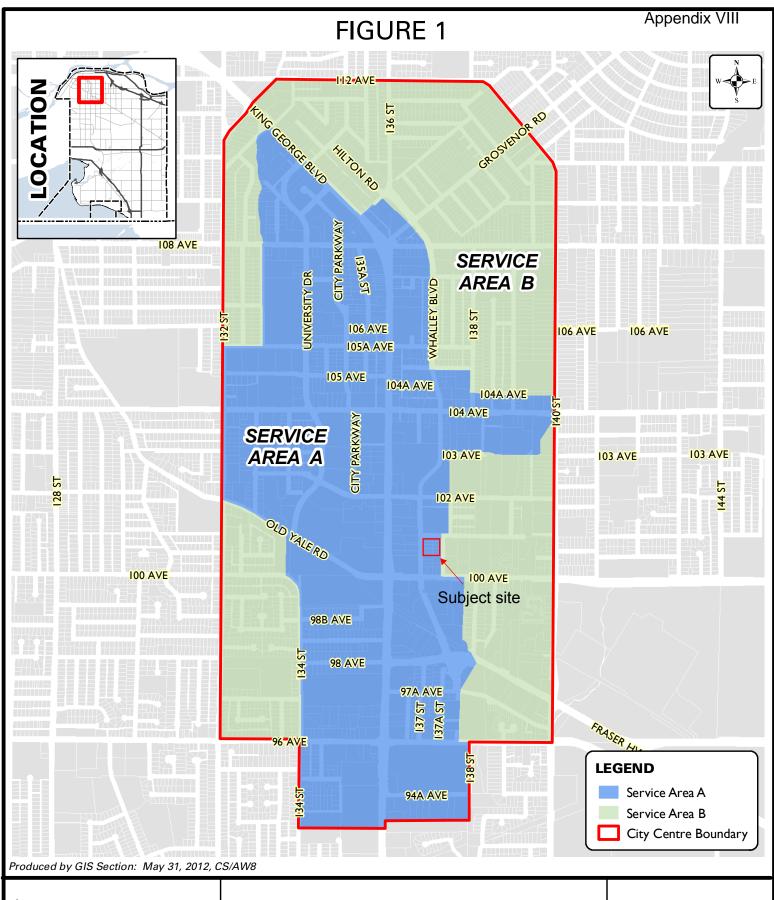
A roundtable of discussion was held.

D. NEXT MEETING

The next Advisory Design Panel is scheduled for Thursday, January 11, 2024.

E. ADJOURNMENT

The Advisory Design Panel meeting adjourned at 6:47 p.m.	
	,
Jennifer Ficocelli, City Clerk	N. Couttie, Chairperson





DISTRICT ENERGY SERVICE AREA (SERVICE AREA A & SERVICE AREA B)

ENGINEERING DEPARTMENT

The data provided is compiled from various sources and IS NOT warranted as to its accuracy or sufficiency by the City of Surrey. This information is provided for information and convenience purposes only. Lot sizes, Legal descriptions and encumbrances must be confirmed at the Land Title Office.

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CORPORATE REPORTS\Eng-Utilities\
AW-DistrictEnergyServiceAreaFig1.mxd