

## INTER-OFFICE MEMO

Regular Council - Land Use B.10 7923-0297-00 Monday, January 29, 2024 Supplemental Information

TO:

City Clerk, Legislative Services Division

FROM:

General Manager, Planning & Development Department

DATE:

January 29, 2024

FILE:

7923-0297-00

RE:

Agenda Item B.10, January 29, 2024 Regular Council – Land Use

Development Application No. 7923-0297-00 Replacement Page 1 for the Planning Report

Development Application No. 7923-0297-00 is on the agenda for consideration by Council at the January 29, 2024 Regular Council – Land Use Meeting under Item B.10.

After finalizing the Planning Report for the January 29, 2024 Regular Council – Land Use Agenda, it was identified that one of the subject properties identified on the front cover page was written with the primary and secondary addresses reversed. The address should read: 10057 – 137A Street (10055, 10065 – 137A Street).

Page 1 of the Planning Report has been updated to reflect this change.

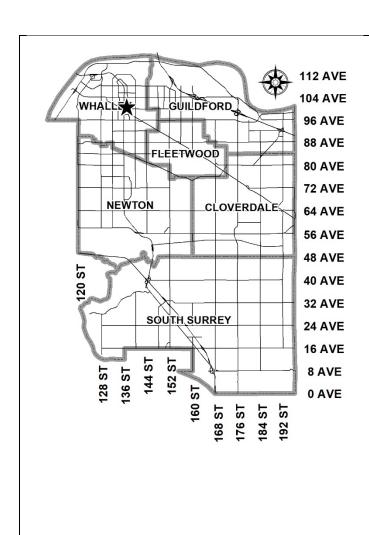
The replacement page for the Planning Report detailing is attached to this memorandum.

Ron Gill

Chief Development Approvals Officer Planning & Development Department

Attachment - 7923-0297-00- Planning Report, Page 1 Replacement Page

c.c. - City Manager



# City of Surrey PLANNING & DEVELOPMENT REPORT Application No.: 7923-0297-00

Planning Report Date: January 29, 2024

#### **PROPOSAL:**

- **OCP Amendment** to Figure 16: Downtown Densities from 3.5 FAR to 5.5 FAR
- City Centre Plan Amendment from Mid to High Rise Residential 3.5 FAR to High Rise Residential Type 1 5.5 FAR, for a portion of the site, and High Rise Mixed-Use Type I 5.5 FAR for a portion of the site
- **Rezoning** from RF and RM-D to CD
- Development Permit

to allow for one 38-storey mixed-used building and one 33-storey residential building consisting of 747 square metres of ground floor commercial and 822 residential units in City Centre.

LOCATION: 10073, 10083, 10089, 10057 - 137A

Street (10055, 10065 -137A Street)

10054, 10064, 10074, 10080, 10088-

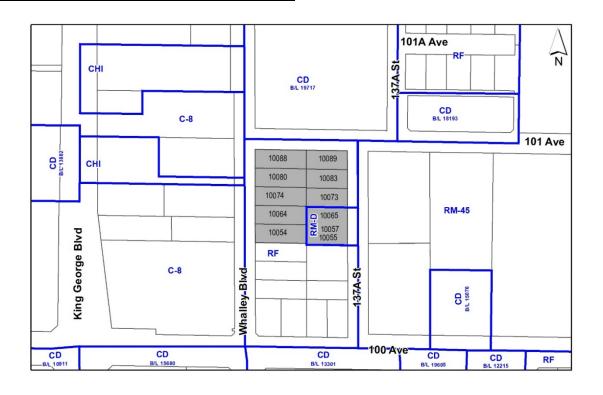
Whalley Boulevard

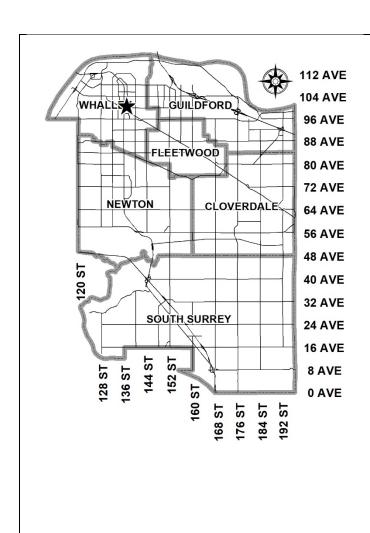
**ZONING:** RF and RM-D

**OCP DESIGNATION:** Downtown

CITY CENTRE Mid to High Rise Residential 3.5

**DESIGNATION:** FAR





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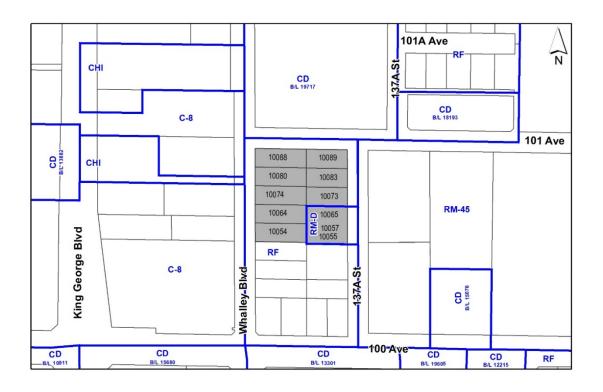
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Whalley Boulevard

**ZONING:** RF and RM-D **OCP DESIGNATION:** Downtown

CITY CENTRE Mid to High Rise Residential 3.5

**DESIGNATION:** FAR



#### **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.

#### DEVIATION FROM PLANS, POLICIES OR REGULATIONS

- Proposing an amendment to the Official Community Plan to Figure 16: Downtown Densities from 3.5 FAR to 5.5 FAR to permit a higher density on the site.
- Proposing an amendment to the City Centre Plan from Mid to High Rise Residential 3.5 FAR
  to High Rise Residential Type 1 5.5 FAR, on the east portion of the site, and High Rise MixedUse Type I 5.5 FAR on the west portion of the site.

#### RATIONALE OF RECOMMENDATION

- The current proposal does not comply with the Downtown 3.5 FAR designation in the Official Community Plan (OCP) or the Mid to High Rise Residential 3.5 FAR designation in the Surrey City Centre Plan. Amendments are proposed to accommodate a higher density.
- Although the proposed density on the subject site is higher than that prescribed in the OCP and City Centre Plan, the proposed towers, including ground floor commercial along Whalley Boulevard, will support and complement this area of Surrey City Centre.
- The proposed density and building forms are appropriate for this part of Surrey City Centre, and form part of an emerging high-density mixed-use, office and residential hub around King George SkyTrain Station, Central Downtown and the surrounding area.
- The proposed development conforms to the goal of achieving high-rise, high-density development around the three SkyTrain Stations in City Centre. The King George Skytrain Station is located within walking distance of approximately 350 metres (a 5 minute walk) from the subject site.
- The provincial legislation introduced in December 2023, designates the site within a Skytrain Station Transit Oriented Area (TOA), Tier 2, which allows for a minimum FAR of 4.0 and a minimum height of 12-storeys.
- The proposed setbacks achieve a more urban, pedestrian streetscape in compliance with the Surrey City Centre Plan, adjacent developments, and in accordance with the Development Permit (Form and Character) design guidelines in the OCP.
- 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 street interface has been designed to a high quality to achieve a positive urban experience between the proposed building and the public realm, with public plaza spaces proposed along the north and south of the site.
- The proposed buildings achieve an attractive architectural built form, which utilizes high quality materials, contemporary lines, and unique form.

#### RECOMMENDATION

- 1. An OCP Amendment By-law be introduced to amend the OCP Figure 16: Downtown Densities for the subject site from 3.5 FAR to 5.5 FAR and a date be set for Public Hearing.
- 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.
- A Bylaw be introduced to rezone from "Single Family Residential Zone (RF)" and "Duplex Residential Zone (RM-D)" to "Comprehensive Development Zone (CD)" and a date be set for Public Hearing.
- 4. Council authorize staff to draft Detailed Development Permit No. 7923-0297-00 generally in accordance with the attached drawings (Appendix I).
- 5. Council instruct staff to resolve the following issues prior to final adoption:
  - (a) ensure that all engineering requirements and issues including restrictive covenants, dedications, and rights-of-way where necessary, are addressed to the satisfaction of the General Manager, Engineering;
  - (b) submission of a subdivision layout to the satisfaction of the Approving Officer;
  - (c) resolution of all urban design issues to the satisfaction of the Planning and Development Department;
  - (d) submission of a finalized landscaping plan and landscaping cost estimate to the specifications and satisfaction of the Planning and Development Department, including the provision of sufficient soil volumes to allow for tree planting within the public plaza;
  - (e) submission of a finalized tree survey and a statement regarding tree preservation to the satisfaction of the City Landscape Architect;
  - (f) demolition of existing buildings and structures to the satisfaction of the Planning and Development Department;
  - (g) submission of an acoustical report and registration of a Section 219 Restrictive Covenant to ensure implementation of noise mitigation measures;
  - (h) registration of a volumetric statutory right-of-way for public rights-of-passage for on the north and south portions the site;
  - (i) 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;

- (j) Submission and approval of a finalized Transportation Impact Assessment, prepared by Bunt and Associates, transportation demand management plan (TDM) and cash-in-lieu to the satisfaction of staff; and
- (k) registration of access easements to secure for future shared vehicle parking and shared outdoor amenity space at grade between the two (2) developments.
- 6. Council pass a resolution to amend the Surrey City Centre Plan to redesignate a portion of the land from 'Mid to High Rise Residential 3.5 FAR' to High Rise Residential Type 1 5.5 FAR and a portion of the site to High Rise Mixed-Use Type I 5.5 FAR, when the project is considered for final adoption.

#### **SITE CONTEXT & BACKGROUND**

Direction	Existing Use	City Centre Plan	<b>Existing Zone</b>
		Designation	J
Subject Site	Single family	Mid to High Rise	RF and RM-D
	homes	Residential 3.5 FAR	
North (Across 101 Avenue):	3-storey rental	High Rise Mixed-	CD (By No.
	buildings, with	Use Type I, 5.5 FAR	19717)
	finalized		
	Development		
	Application No.		
	7918-0289-00,		
	allowing for		
	multiple high-rise,		
	mid and low rise		
	buildings		
East (Across 137A Street):	2-storey	Low to Mid Rise	RM-45
	townhouse units	Residential 2.5 FAR	
South:	Single family	Mid to High Rise	RF
	homes	Residential 3.5 FAR	
West (Across Whalley	2-storey	Mid to High Rise	C-8
Boulevard):	commercial	Residential 3.5 FAR	
	buildings		

#### **Context & Background**

- The 8,106 square metre subject site consists of 9 properties, located in City Centre, south of 101 Avenue, and between Whalley Boulevard and 137A Street.
- The subject site is designated Downtown 3.5 FAR, in the Official Community Plan (OCP), Mid to High Rise Residential (3.5 FAR) in the City Centre Plan and is zoned Single Family Residential (RF) Zone and Duplex Residential (RM-D) Zone.

- The subject application is generally consistent with the Downtown District designation in the Official Community Plan (OCP) and Mid to High Rise Residential designation in the CCP, while being higher in density. The west portion of the site, along Whalley Boulevard, is proposing an amendment to the City Centre Plan to allow for ground floor commercial.
- Staff are supportive of the increase in density given the site's location in City Centre and proximity to King George Skytrain Station and the Central Downtown area.

#### **DEVELOPMENT PROPOSAL**

## **Planning Considerations**

- The applicant is proposing the following:
  - o OCP Amendment to Figure 16: Downtown Densities from 3.5 FAR to 5.5 FAR.
  - City Centre Amendment from Mid to High Rise Residential (3.5 FAR) to High Rise Residential Type I 5.5 FAR on the east portion of the site and High Rise Mixed-Use Type I 5.5 FAR on the west portion of the site.
  - o Rezoning from RF and RM-D to CD.
  - o Development Permit.
  - o Subdivision.

to allow for one 38-storey mixed-used building and one 33-storey residential building consisting of 747 square metres of ground floor commercial and 822 residential units in City Centre.

- The project is proposed as a 2-phased mixed-use and residential development with two towers in total.
- Phase 1 includes a 33-storey residential tower, with 6-storey podium, located on the east portion of the site along 137A Street.
- Phase 2 includes a 38-storey mixed-use tower, with 10-storey podium, and is located on the west portion of the site along Whalley Boulevard. Ground floor commercial is proposed along Whalley Boulevard and wrapping to 101 Avenue and the future green lane.
- Publicly accessible plazas are proposed along the south and north portions of the site adjacent to the internal courtyard.
- Development data is included in the following table:

	Proposed
Lot Area	
Gross Site Area:	8,106 square metres
Road Dedication:	1,109 square metres
Undevelopable Area:	N/A
Net Site Area:	6,997 square metres
Number of Lots:	9
Building Heights:	33 and 38-storeys
Floor Area Ratio (FAR):	Gross FAR: 7.4/ Net FAR: 8.6
Floor Area	
Residential:	59,091 square metres
Commercial:	747 square metres
Total:	59,839 square metres
Residential Units:	
Studio:	16
1-Bedroom:	262
1-Bedroom and den:	113
2-Bedroom:	360
2-Bedroom plus den:	44
3-Bedroom:	17
Townhouses:	10
Total:	822

## 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 29

school-age children generated by this development, of which the

School District has provided the following expected student

enrollment.

16 Elementary students at Lena Shaw School

8 Secondary students at Guildford Park Secondary School

(Appendix III)

Note that the number of school-age children is greater than the expected enrollment due to students attending private schools,

home school or different school districts.

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Parks, Recreation & Culture:

The closest active park is Holland Park and is 350 metres away, and the closest natural area is Green Timbers Park and is 800 metres away. Future parkland is proposed within 175 metres of the

development as proposed in the City Centre Plan.

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**

- A transportation impact analysis ("TIA") was required to be submitted to evaluate sitegenerated traffic impacts and identify required improvements to service the subject proposal.
- Based on the TIA, the subject proposal is anticipated to generate approximately three to four vehicles per minute in the peak hour.
- The TIA indicated that the road network and study intersections were projected to operate at acceptable levels of service with the additional traffic as a result of the subject proposal, with signal timing improvements to the existing signals on Whalley Boulevard.

#### Road Network and Infrastructure

- The applicant will be providing the following improvements along the subject site road frontages:
  - Dedication and construction of the east side of Whalley Boulevard to the City Centre arterial road standard;
  - o Construction of the north side of 101 Avenue to the City Centre local road standard:
  - Construction of the west side of 137A Street to the City Centre local road standard;
  - Dedication and construction of a green lane along the north side of the subject site.

#### **Access and Parking**

- The subject site is proposed to be accessed via 101 Avenue and the green lane.
- A total of 722 parking spaces are proposed to be provided on site, along with provision of transportation demand management ("TDM") measures, exceeding the Zoning Bylaw rates.

#### **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:
  - 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 also specifies the use of healthy materials, adhesives, sealants, paints and coatings to minimize the emission of harmful chemicals; all of which reduces impacts on outside ecosystems while helping create the healthiest indoor environment for homeowners and office workers.
  - 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.
  - o The multiple terraced roof areas of the Tangerine Residence Development are designed to incorporate living spaces, landscape, and technology to create a positive environmental effect. Areas will be dedicated to 'green roof', reducing waste heat generation, and creating beneficial urban eco-habitats.

#### **POLICY & BY-LAW CONSIDERATIONS**

## **Regional Growth Strategy**

• The subject site is designated General Urban in Metro Vancouver's Regional Growth Strategy (RGS). The proposed development complies with the RGS.

## **Official Community Plan**

#### Land Use Designation

- The subject site is designated Downtown in the Official Community Plan, with a permitted maximum density of 3.5 FAR as noted in Figure 16 of the OCP.
- The applicant is proposing to amend Figure 16 to accommodate the proposed development by increasing the allowable density from 3.5 FAR to 5.5 FAR.

• The proposed development will be subject to both Tier 1 and Tier 2 Capital Plan Project CACs.

#### **Amendment Rationale**

- The proposed density and building form are appropriate for this part of Surrey City Centre, and forms part of an emerging high-density mixed-use hub that will be complementary to the City Centre, Central Downtown and King George Hub area.
- The proposed development will be subject to the Tier 2 Capital Plan Project CACs for proposed density greater than the OCP designation, as described in the Community Amenity Contribution section of this report.

## 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:
  - o Growth Management
    - Accommodating Higher Density: Direct residential development into Surrey's City Centre at densities sufficient to encourage commercial development and transit services expansion.
  - o Centres, Corridors and Neighbourhoods:
    - Dynamic City Centre: Strengthen Surrey's City Centre as a dynamic, attractive and complete Metropolitan Core, by providing a mix of commercial and residential space in a comprehensively-designed development.
    - Transit Corridors: Support Transit Oriented Development along major corridors linking urban centres and employment areas, through the development of a high density development within walking distance to the SkyTrain and other transit infrastructure.
    - Healthy Neighbourhood: Plan and design urban neighbourhoods with sufficient densities to support a higher-quality transit system that is accessible to most residents.
    - Urban Design: Implement high architectural and urban design standards to create both socially and environmentally sustainable high-density development, with a unique blend of safe, beautiful, active, and vibrant interconnected and publicly-accessible spaces.

#### **Secondary Plans**

#### **Land Use Designation**

The subject site is designated Mid to High Rise Mixed Use in the City Centre Plan (CCP).

• The applicant is proposing to amend the City Centre Plan from Mid to High Rise Mixed Use (3.5 FAR) to High Rise Residential and Mixed-Use – Type I (5.5 FAR) to accommodate the proposed development.

## **Amendment Rationale**

- The proposed density and building form are appropriate for this part of Surrey City Centre, and forms part of an emerging high-density mixed-use hub that will be complementary to Central Downtown area.
- The proposed development conforms to the goal of achieving high-rise, high-density development around the three SkyTrain Stations. The King George Skytrain Station is located within a walking distance of 350 metres from the subject site.
- The proposed development includes ground floor commercial space that will continue the pattern of commercial frontage established north of the site along Whalley Boulevard.
- The proposed development will be subject to the Tier 2 Capital Plan Project CACs for proposed residential density greater than the Secondary Plan designation, as described in the Community Amenity Contribution section of this report.

## Themes/Objectives

- The proposed development is consistent with the following guiding principles:
  - Build Density, through the development of a high-density development close to the SkyTrain stations.
  - o Encourage Housing Diversity, with a variety of unit types and sizes.
  - Create Vibrant Urban Space, with high quality architectural aesthetics, individual units oriented towards public streets to animate the street, and amenities such as plazas.
  - o Green the Downtown, with appropriate new tree planting and landscaping treatments.
  - o Promote Identity and Sense of Place, with a blend of open landscaped spaces and enclosed residential spaces.

## CD By-law

• The applicant proposes to rezone the subject site from "Single Family Residential Zone (RF) and 'Duplex Residential Zone (RM-D) 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 is divided into Blocks A and B. Block A contains the proposed 33-storey residential development on the east portion of the site. Block B contains the proposed 38-storey mixed-use development on the west portion of the site.
- 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.  The C-8 Zone permits commercial uses including:  • Retail stores;	Residential will comply with the RM-135 Zone in all Blocks A and B.  Commercial uses will include the following:
	<ul> <li>Personal service uses;</li> <li>General service uses;</li> <li>Beverage container return centres;</li> <li>Eating establishments;</li> <li>Neighbourhood pubs;</li> <li>Liquor stores;</li> <li>Office uses;</li> <li>Parking facilities;</li> <li>Automotive service uses;</li> <li>Indoor recreational facilities;</li> <li>Entertainment uses;</li> <li>Assembly Halls;</li> <li>Community services;</li> <li>Child care facilities; and</li> <li>One dwelling unit.</li> </ul>	<ul> <li>Retail stores;</li> <li>Personal service uses;</li> <li>General service uses;</li> <li>Eating establishments;</li> <li>Neighbourhood pubs;</li> <li>Liquor stores;</li> <li>Office uses;</li> <li>Indoor recreational facilities;</li> <li>Entertainment uses;</li> <li>Community services; and</li> <li>Child care facilities.</li> </ul>
FAR (Net Density)	2.5	Overall net site density: 8.6 Block A: 7.9 Block B: 9.2
Lot Coverage	33%	Block A: 50%

	RM-135 and C-	8 Zones	Pı	roposed CD By-law		
			Block E	<b>3:</b> 50%		
Building Setbacks	50% of the height	of the	Block A	1		
	building from all l	ot lines	North:	4.5 metres		
			South:	4.5 metres		
			East:	4.5 metres		
			West:	7.5 metres		
			Block B	3		
			North:	3.0 metres		
			South:	3.0 metres		
			East:	7.5 metres		
			West:	3.0 metres		
Building Height	Not Applicable		Block A	A: 115 metres		
			Block I	B: 129 metres		
Amenity Space						
Indoor Amenity:	1,565 sq. metres	Blocl	κA	The 1,66m² meets the		
-		750 sq	. m	minimum Bylaw		
		Sq.me	tres	requirement and the		
		Blocl	кB	remaining m2 will be		
		814 sq.m	netres	paid by cash-in-lieu.		
Outdoor Amenity:	2,466 sq. metres	sq. me	tres	The proposed 3,787 m <sup>2</sup>		
		2,444 S	q.m	exceeds the Bylaw		
				requirement.		
Parking (	Part 5)	Requi	red	Proposed		
Number of Stalls						
Commercial:		18				
Residential:		740				
Residential Visitor:		82				
Total:		840	)	722		
Bicycle Spaces						
Residential Secure Pa	rking:	986	5	990		
Residential Visitor:		12		12		
Total:		998	3	1,002		

- The proposed net floor area ratio (FAR) of 7.9 (Block A) and 9.2 (Block B) and the lot coverage of 50% 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, with density bonus. The overall gross density is 7.4 FAR.
- The proposed lot coverage is appropriate for the proposed development including significant podiums and is in context with proposed neighbouring high rise developments to the north along Whalley Boulevard.
- 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.

## **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 Final Subdivision Approval. 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. The current rate for the Whalley Community Area is \$459.85 per sq.m of residential floor area above the current City Centre 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 16, 2023. Staff received no comments.

#### **DEVELOPMENT PERMITS**

## Form and Character Development Permit Requirement

- The proposed development is subject to a Development Permit for Form and Character and is also subject to the urban design guidelines in the Surrey City Centre Plan.
- The proposed development complies with the Form and Character Development Permit guidelines in the OCP and the design guidelines in the Surrey City Centre Plan.
- The project is proposed as a 2-phased mixed-use and residential development with two towers in total.
- Phase 1 includes a 33-storey residential tower, with 6-storey podium, and is located on the east portion of the site along 137A Street.
- Phase 2 inlcudes a 38-storey mixed-use tower, with 10-storey podium, and is located on the west portion of the site along Whalley Boulevard. Ground floor commercial is proposed along Whalley Boulevard.
- The two towers have been positioned on site to maximize tower separation and view corridors. The podium forms are tiered with rooftop landscaping providing elevated areas of open space amenity for the residents of each tower.
- A significant courtyard internal to the site stretches from north to south between the
  buildings and provides ground level connections between the two phases. This design offers
  opportunities for residents to have green open space within their own development. This
  courtyard will be complemented with amenities spaces, providing both visual appeals, and
  gathering spots for the residents.
- Public plaza spaces will be secured along the north portion of the site, 101 Avenue, and south portion of the site, the future green lane. Detailed design and volumetric statutory rights-of-ways will be registered in advance of final approval.

- Phase 2 (Whalley Boulevard) is connected to a 10-storey podium that gradually steps down
  every 3 floors, and is thoughtfully sculpted, featuring articulated angled balconies facing
  north.
- Phase 1 (137A Street) is anchored by a 6-story podium with stepped articulation on the 5th floor. The angled podium steps create view corridors from each of the towers.
- The podium roof decks offer outdoor amenity areas spacious gathering area situated adjacent to the indoor social amenity space. Their southern orientation optimizes sunlight exposure throughout the day, creating an ideal setting for social gatherings and resident relaxation. We have varied the height between the two podiums to create more variety and dynamic expression.
- The design of the buildings incorporates horizontal bands that seamlessly integrate with the façade's window system and balcony guardrails, resulting in an elegant and dynamic expression. This design language includes clearly articulated podiums and tower forms, allowing the buildings to talk to each other while retaining their distinctive characteristics.
- On the western façade of Phase 2 and the eastern façade of Phase 1, two structural elements extend vertically from the ground to the top of tower. These architectural "spines" contribute to the building's vertical expression and introduce a unifying and visually captivating element, featuring prefinished metal panel in terracotta color that ties the entire structure together.
- The applicant has agreed to continue to work with staff to address the following items:
  - O Development and refinement of the public realm interfaces, detailing of urban plaza concept along the north and south. and the interim conditions on the green lane.
  - o Further refinement of the proposed materials and finishings.

#### **Landscaping**

- The streetscape has been designed to meet City Centre standards with enhanced public realm treatment.
- The commercial frontage will provide animation and extend onto the public realm.
- The residential frontages will include soft landscaping and hardscaping with usable patio depths.
- Direct access from the ground floor residential units will be provided to the sidewalks and interim walkway along the south.
- An internal courtyard is proposed between the two phases that will connect to the public realm and also create a hub of semi-private activity.
- Green edges will frame the pedestrian experience and separate the vehicular areas of the site.

- At the north end of the courtyard, a raised wood deck will create a gathering space and
  meeting point for the neighbourhood. A grove of trees will provide a green entry experience
  for the lobby, which will lead into an amenity space opening up on to the breezeway. Central
  to the breezeway, a children's play area will serve both phases of the project, with direct
  access from an amenity room in each phase.
- As the buildings step back, landscaping opportunities will be created at top levels of each of
  the steps. Shrub planting and trees will be used to accent the architectural expression and
  soften the edges of the terraces. The program will include spill out spaces off the amenity
  rooms, co-working spaces, pods, outdoor living rooms, BBQ areas, outdoor dining, dog off
  leash areas and central lawn areas for flexible use.
- The design tries to maximize the ability for several people to use the courtyard independently, with opportunities to come together as a community or host large family events. In addition to the hard surfaces, intensive green roofs will provide valuable habitat and food sources for nesting birds. In addition to habitat, the soft landscape areas will provide storm water benefits, reducing peak flows by absorbing water from rainfall events. Trees and trellises will float over the terrace, providing human scale spaces with dappled shade. Raised planters will be used on the upper levels to define spaces, to integrate pathway lighting into the design provide the required soil volumes for the trees.
- A mix of native and adaptive, drought tolerant plant material is proposed for the landscape
  areas on the podium. Site safety will be addressed throughout the site by selecting vegetation
  at recommended levels to maintain site lines adjacent to public areas and circulation routes.
  Evergreen shrubs, perennials and grasses, will comprise the majority of the plant palette,
  providing seasonal interest and a variety of habitat.

## **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 1,564 square metres of indoor amenity space for the proposed 822 residential units, (there are no micro or lock-off units proposed). Of that 1,564 square metres of indoor amenity space, a total of 744 square metres must be provided on site (372 square metres per building), and the remainder can be provided through a cash-in-lieu contribution.
- The applicant is proposing 1,663 square metres of indoor amenity space located throughout the development, which exceeds the minimum requirement as outlined in the Bylaw.
- Phase 1 (east tower site) is proposing indoor amenity areas on the ground floor and in the podium on levels 7 and 34 for a total of 854 square metres.
- Phase 2 (west tower site) is proposing indoor amenity areas on the ground floor in the podium on levels 8, 11 and 39 for a total of 809 square metres.

- The primary indoor amenity spaces in both buildings are located on the ground floor and rooftops and are designed to provide for a wide range of activities and programming.
- The spaces will include games areas, fitness areas, working and meeting rooms, and multipurpose 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 2,466 square metres of outdoor amenity space is required for the proposed development.
- The applicant is proposing 3,787 square metres of outdoor amenity space across the site, which exceeds the total outdoor amenity space required under the Zone.
- A central courtyard is proposed between the two sites and provides for a wide range of programmable space, including seating, tree groves and play and gathering areas. This plaza includes a mix of hard surface areas and trees and greenery.
- Phase 1 (east tower site) is proposing outdoor amenity areas on the ground floor and in the podium on levels 7 and 34, that are all connected to indoor amenity areas.
- Phase 2 (west tower site) is proposing outdoor amenity areas on the ground floor in the podium on levels 8, 11 and 39, that are all connected to indoor amenity areas.
- The program will include spill out spaces off the amenity rooms, co-working spaces, pods, outdoor living rooms, BBQ areas, outdoor dining, dog off leash areas and central lawn areas for flexible use.

#### **TREES**

• Francis Klimo, ISA Certified Arborist of Klimo and Associates 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		isting	Remove	Retain
Alde	r and Co	ttonwood 7	Гrees	
Alder		2	2	0
Cottonwood		2	2	0
(excluding		ous Trees nd Cottonwo	ood Trees)	
Bigleaf magnolia		1	1	0
Common holly		3	3	0
Black cherry		4	4	0
Common cherry		7	7	0
Mountain ash		2	2	0
Butternut		2	2	0
	Conife	ous Trees		
Leyland cypress		2	2	0
Douglas fir		19	19	0
Emerald cedar		1	1	0
Norway spruce		1	1	0
Western redcedar		3	3	0
Colorado spruce		1	1	0
Lodgepole pine		3	3	0
Scots pine		1	1	0
<b>Total</b> (excluding Alder and Cottonwood Trees)		50	50	o
Total Replacement Trees Proposed (excluding Boulevard Street Trees)	l		105	
Total Retained and Replacement T Proposed	rees		105	
Estimated Contribution to the Green Program	en City		N/A	

• The Arborist Assessment states that there are a total of 50 mature trees on the site, excluding Alder and Cottonwood trees. Of the 54 existing trees, approximately 7 % of the total trees on the site, are Alder and Cottonwood trees. The applicant proposes to retain no trees 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.

- 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 104 replacement trees on the site. The applicant is proposing 105 replacement trees, exceeding City requirements.
- In addition to the replacement trees, boulevard street trees will be planted along all road frontages. 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 Armstrong Maple, Coral Bark Japanese Maple, Eastern Redbud and Butterflies Magnolia.
- In summary, a total of 105 trees are proposed to be retained or replaced on the site with no estimated 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 A, as defined in the "City Centre District Energy System By-law" (see Appendix VII 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 A 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:
  - o 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. OCP Redesignation Map Appendix VI. ADP Comments and Response

Appendix VII. District Energy

approved by Ron Gill

Don Luymes General Manager Planning and Development

IM/ar

## PROPOSED MIXED-USE DEVELOPMENT

10054-88 WHALLEY BLVD. 10055-89 137A ST. SURREY, BC

#### SUBMISSION to COUNCIL

January 29, 2024

PROJECT NUMBER: 7923-0297-00

OWNER:

TANGERINE DEVELOPMENTS

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LANDSCAPE ARCHITECT:

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GUNN CONSULTANTS

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BC BUILDING SCIENCE

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TANGERINE DEVELOPMENTS T 604 560 0272 #216 2630 Croydon Drive info@zenterra.ca F 778 294 1280 Surrey, BC, V3Z 6T3 www.zenterra.ca





#### TWO PHASE - MIXED-USE + 2 TOWERS



SITE SQUARE FEET 87,254

> FAR RATIO 7.38

644,097 **GROSS AREA** 

**TOTAL UNITS PHASE 1&2** 

**TOTAL STALLS PHASE 1&2** 

**RETAIL** 8.046

7,495 TYPICAL FLOOR

82.6% **EFFICIENCY** 

PHASE 1 16,126 GROUND LEVEL GROSS SQUARE FEET 15,060

**84,010** 16,283-14,784 PER FLOOR

201,645

8,708

7,495 PER FLOOR

28

126,774 16,565-15,428-10,265 PER FLOOR

209,140

**STOREY TOTAL** 

**UNITS T1** 

PHASE 2

GROUND LEVEL GROSS SQUARE FEET

**PODIUM** 

LEVELS BUILDING PODIUM

TOWER 1
GROSS SQUARE FEET

LEVELS TOWER ABOVE PODIUM

AMENITY T1 GROSS SQUARE FEET

PARKADE T1

**PARKING LEVELS** 

**PODIUM** 

**LEVELS** 

TOWER 2
GROSS SQUARE FEET

**LEVELS** TOWER ABOVE PODIUM

AMENITY T2
GROSS SQUARE FEET

STOREY TOTAL

UNITS T2

±334 PARKADE T2

**PARKING LEVELS** 





ect												
Tower 1: 38 Storey	y Mixed Use Tower & 10 Stone											
Tower 2: 33 Storey	y Residential Tower & 6 Storey	Residential Podium										
al Description:												
no:												
Existing:	RF											
Proposed:	CD (based on Surrey City	(Plan)	Phase 1	Phase 2								
oosed Setbacks:		Dedication from	Setback from PL	Setback from PL		Building Height:						
or selection.		Street Centerline	Selback from PL. Residental	Commercial Residential		Max. Proposed Building	Hoinft . Tower !	128	5 m			
101 Avenue		0.0 m	45 m	30m 45m		Max. Proposed Building	Height - Tower 2	114				
137A Street		0.0 m 7.3 m (East)	45m									
Green Lane		6.0 m (West)	45 m	30m 45m								
Whaley Boulevard Phasing Line		59 m	0 m	30m 45m								
			V.III	4/4								
Gross Site Area	ons:			8106 sq m		87.254 sq f						
Dedication				0 sq m		0 sq ft						
Road Dedication Net Site Area				1109 sq m 6997 sq m		11,941 sq ft 75,313 sq ft						
FAR						7.38						
Total Allowable GFA	A			59839 sq.m		644,097 sq ft						
Area Ratio (F.A.R.)	Calculation:											
	Residen	tal FAR Area	Commercial FAR Area	Proposed Total FAR Area	Gross F.A.R. (by Phase)	Net F.A.R. (by Phase)	Site Coverage Per Phase	Net Lot Area Per	Phase Buildings and Structures			
(Phase 2)		6.8 sq m.	747.5 sq m	32304.3 sq m	3.99	9.22	49.9%	3504.2 sq m	1748.4 sq m			
		675 sq ft 4.2 sq m	8,045 sq ft	347,721 sq ft 27534 2 sq m				37,719 sq ft 3492,6 sq m	(18,820 sq ft) 1746.4 sq m			
(Phase 1)	296,	376 sq ft		296,376 sq ft	3.40	7.88	50.0%	37,594 sq ft	(18,798 sq f)			
Total		11.0 sq m 051 sq ft	747.5 sq m 8,046 sq ft	59838.5 sq m 644,097 sq ft	7.38	8.55	49.9%	6996.8 sq m 75.313 sq ft	3494 8 sq m (37.618 sq ft)			
sidential Statistics - R TE: All floor areas are " r area shall exclude vel	"Gross Floor Area" as defined inhicle parking and loading areas	by the Surrey Zoning Bylaw all and bicycle storage areas with	I the area of the floor enclosed by hin the building, stainways and m	of the outside edge of the exterior walls a echanical rooms	of a building, including	without limitation staine	ys, elevator shafts, ato	rage rooms and mech	enical rooms. For the purpo	ise of Part 5 Off-Street Par	king and Loading/U	nloading only, gross
E: All floor areas are "	"Gross Floor Area" as defined shicle parking and loading areas (PHASE 2)	and bicycle storage areas will	hin the building, stainvays and m	echanical rooms							Total Gross Area	
E: All floor areas are "	"Gross Floor Area" as defined inhicle parking and loading areas	by the Surrey Zoning Bylant all and bicycle storage areas with Number of Floors	The area of the floor enclosed by hin the building, stainneys and m Unit Area per Floor	y the outside edge of the exterior walks a achanical rooms.  Total Unit Area		rea per Floor 421.5 sq.m	ejvs, elevator shafts, stor Total Common	1 Area 421.5 sq.m.	indoor Amenity Area 230.1 sq.m.	Gross Area per Floor	Total Gross Area (all Floors) 651.6 sq m	FAR Exclusion
E All floor areas are * area shall exclude vel	"Gross Floor Area" as defined inhicle parking and loading areas (PHASE 2)  Level (0 Unit)	and bicycle storage areas will  Number of Floors	hin the building, stainvays and m	echanical rooms		rea per Floor		Area	Indoor Amenity Area	Gross Area per Floor 651.6 sq m (7.014 sq tt)	Total Gross Area (all Floors)	FAR Exclusion 230.1 sq
E All floor areas are 1 area shall exclude yel L1	"Gross Floor Area" as defined inticle parking and loading areas (PHASE 2)  Level (0 Unit) (21 Unit)	Number of Floors  1 3	Unit Area per Floor  1281 8 sq m (13.797 sq f)	Total Unit Area  Total Unit Area  3845.3 sq m (41.391 sq ft)		rea per Floor 421.5 sq m (4.537 sq t) 257.2 sq m (2.768 sq t)		421.5 sq m (4.537 sq tt) 771.5 sq m (8.304 sq ft)	indoor Amenity Area 230.1 sq.m.	Gross Area per Floor 651.6 sq.m (7,014 sq.tt) 1538 9 sq.m (16,565 sq.tt)	Total Gross Area (all Floors) 651.6 sqm (7.014 sq t) 4616.8 sqm (49,695 sq t)	FAR Exclusion 230.1 sq
E All floor areas are * area shall exclude vel	"Gross Floor Area" as defined inhicle parking and loading areas (PHASE 2)  Level (0 Unit)	and bicycle storage areas will  Number of Floors	Unit Area per Floor  1281 8 sq m (13,797 sq f) 11780 8 sq m (12,689 sq f)	Total Unit Area  3945.3 6q m (41.391.9q %) 3055.7 5q m (80,696.9 %)		rea per Floor 421.5 sq m (4.537 sq tt) 257.2 sq m		421.5 sq m (4.537 sq t) 771.5 sq m (8.304 sq t) 764.2 sq m (8.226 sq t)	indoor Amenity Area 230.1 sq.m.	Gross Area per Floor 651.6 sq m (7,014 sq ft) 153.9 sq m (16,565 sq ft) 1433.3 sq m (15,428 sq ft)	Total Gross Area (all Floors) 651.6 sq m (7.014 sq t) 4616.8 sq m (49.695 sq t) 4299.9 sq (46.264 sq t)	FAR Exclusion 230.1 sq
E Aliforr areas are 1 area shall exclude yel L1	"Gross Floor Area" as defined inticle parking and loading areas (PHASE 2)  Level (0 Unit) (21 Unit)	Number of Floors  1 3	Unit Area per Floor  1281.8 sq m (13.797 sq f) 1178.8 sq m (12.608 sq f) 758.1 sq m	Total Unit Area  79453 sq m (41,391 sq 1) (50,568 sq 1) (22/4 38)		ma per Floor 421 5 sqm (4 537 sq th) 257 2 sqm (2 178 sq th) 254 7 sq m (2 142 sq th) 195.6 sq m		421.5 sq m (4.537 sq ft) 771.5 sq m (8.304 sq ft) 764.2 sq m (8.226 sq ft) 586.7 sq m	indoor Amenity Area 230.1 sq.m.	Gross Area per Floor 651.6 sq.m (7.014 sq.tt) 15389 sq.m (16.565 sq.tt) 1433.3 sq.m (15.488 qt) 953.6 sq.m	Total Gross Area (all Floors) 651.6 sq m (7.014 sq t) 4016.8 sq m (49.695 sq t) 4299 9 sq m (46,284 sq t) 2000 9 sq m	FAR Exclusion 230.1 sq
E. All floor areas are 1 area shall exclude yell by 1 area shall be 1 a	"Gross Floor Area" as defined inchip parking and louding areas (PHASE 2) Level (0 Unit) (21 Unit) (19 Unit) (15 Unit) (15 Unit) (15 Unit)	Number of Floors  1  3  3	Unit Area per Floor  1281 8 54 m (13.797 54 %) 1176 8 54 m (12.695 54 %) 758 1 54 m (8.100 54 %) 455 7 55 m	Total Unit Area  39453.5q m (41,391.5q t) (5057.5q m (80,68.9q t) (2243.9q t) (2440.9q t) 4957.5q t		ma per Floor  421.5 sq m (45.97 sq th) 257.2 sq m (2.768 sq th) 254.7 sq m (2.742 sq th) 155.6 sq th) 130.8 sq m		421.5 sq m (4.537 sq t) 771.5 sq m (8.304 sq t) 764.2 sq m (8.226 sq t)	indoor Amenity Area 230.1 sq.m.	Gross Area per Floor 651.6 sq m (7,014 sq ft) 153.9 sq m (16,565 sq ft) 1433.3 sq m (15,428 sq ft)	Total Gross Area (all Floors) 651.6 sq m (7.014 sq t) 491.6 sq m (49.995 sq t) 4299.9 sq m (40.294 sq t) 2800.9 sq m (30.795 sq t) 682.6 sq m	FAR Exclusion 230.1 sq (2.477 sq
E All floor areas are 'area shall excibite vel	"Gross Fibor Area" as defined inche parking and loading areas (PHASE 2) Level (0 Unit) (21 Unit) (15 Unit) (15 Unit) (15 Unit) (16 Unit)	Number of Floors  1 3 3 1	Unit Area per Floor  1281 8 sq m (13,797 sq f) 11780 sq m (12,689 sq f) 758 1 sq m (8,100 sq f) 495 7 sq m (5,536 sq f)	Total Unit Area  3845.3 sq m (41,591.5 q1) 3635.7 sq m (24,591.5 q2) (274.3 sq m (24,409.5 q2) 485.7 sq m (24,409.5 q2)		78a per Floor 421 5 sqm (4.537 sq 10) 257 2 sqm (2.768 sq 10) 754 7 sq m (2.762 sq 10) 1956 sq m (2.105 sq 10) 1308 sq m (4.408 sq 10)		1 Area 421.5 sq m (4.537 sq t) 771.5 sq m (8.304 sq t) 764.2 sq m (8.226 sq t) 586.7 sq m (6.315 sq t) 130.8 sq m (1,406 sq t)	indoor Amerity Area 230,1 sq m (2,477 sq t)	Gross Area per Floor 651 5 sq m (7.014 sq b) 15389 sq m (16.565 sq b) 14333 sq m (15.468 sq b) 9536 sq m (10.265 sq b) 6886 sq m (7.500 sq b)	Total Gross Area (all Floors) 651.6 sq m (7.014 sq t) 451.6 sq sq (49.65 sq t) 42999 sq m (45.244 sq t) 23009 sq m (30.785 sq t) 686.6 sq m (7.500 sq t)	FAR Exclusion 230.1 sq (2,477 sq. 72.1 sq. (776 sq.
E. All floor areas are 1 area shall exclude yell by 1 area shall be 1 a	"Gross Floor Area" as defined inchip parking and louding areas (PHASE 2) Level (0 Unit) (21 Unit) (19 Unit) (15 Unit) (15 Unit) (15 Unit)	Number of Floors  1  3  3	Unit Area per Floor  1281 8 54 m (13.797 54 %) 1176 8 54 m (12.695 54 %) 758 1 54 m (8.100 54 %) 455 7 55 m	Total Unit Area  39453.5q m (41,391.5q t) (5057.5q m (80,68.9q t) (2243.9q t) (2440.9q t) 4957.5q t		ma per Floor  421.5 sq m (45.97 sq th) 257.2 sq m (2.768 sq th) 254.7 sq m (2.742 sq th) 155.6 sq th) 130.8 sq m		421.5 sq m (4.537 sq ft) 771.5 sq m (8.304 sq ft) 764.2 sq m (8.226 sq ft) 586.7 sq m (8.315 sq ft) 130.8 sq m	indoor Amerity Area 200.1 sq m (2.477 sq t) 72.1 sq m	Gross Area per Floor 651 5 sq m (7.014 sq th) 15389 sq m (16.565 sq th) 14333 sq m (15.428 sq th) 9536 sq m (10.265 sq th) 6866 sq m	Total Gross Area (all Floors) 651.6 sq m (7.014 sq t) 491.6 sq m (49.995 sq t) 4299.9 sq m (40.294 sq t) 2800.9 sq m (30.795 sq t) 682.6 sq m	FAR Exclusion 230.1 sq (2.477 sq 72.1 sq (776 sq 0.0 sq
E All floor areas are 'area shall excibite vel	"Gross Fibor Area" as defined inche parking and loading areas (PHASE 2) Level (0 Unit) (21 Unit) (15 Unit) (15 Unit) (15 Unit) (16 Unit)	Number of Floors  1 3 3 1	Unit Area per Floor  1281 8 sq m (13.797 sq ft) 11766 sq m (12.696 sq ft) 758 1 sq m (8.100 sq ft) 465,7 sq ft (5.306 sq ft) 556,5 sq ft (5.468 sq ft) 557,5 sq ft (5.468 sq ft) 557,5 sq ft (5.468 sq ft)	Total Unit Area  3945.3 sq m		#21 S sq m (4537 sq T) 257 2 Sq m (2,788 sq T) 2547 S sq m (2,148 sq T) (2,155 sq T) (2,155 sq T) (4,488 sq T) (1,488 sq T) (2,155 sq T		Area 421.5 sq m (4.537 sq f) 771.5 sq m (8.304 sq f) 764.2 sq m (8.304 sq f) 764.2 sq m (8.26 sq f) 560.7 sq m (1.406 sq f) (1.306 sq m (1.406 sq f) (1.306 sq m (	indoor Amerity Area 200.1 sq m (2.477 sq t) 72.1 sq m	Gross Area per Floor 651.6 sq m (7.014 sq b) 15389 sq m (16.565 sq b) 1433.3 sq m (15.428 sq b) 933.6 sq m (10.265 sq b) 686.6 sq m (7.500 sq b) 627.1 sq m (7.500 sq b)	Total Gross Area pall Floors) 651.6 sqm (7.014 sq til 4916.8 sqm (49.665 sq til 2890.9 sqm (45.284 sq til 2800.9 sqm (68.756 sq til 68.6 sqm (7.500 sq til 68.750 sq til 1810.0 sqm	FAR Exclusion 230.1 sq (2.477 sq 72.1 sq (776 sq 0.0 sq
E All floor areas are "area dhall excitote velicities and "area dhall excitote velicities".  L1  L2-4  L5-7  L8-10  L11  L12  L13-38	"Gross Fibor Area" as defined inche parking and louding areas (PHASE 2)  Level (0 Unit) (2d Unit) (19 Unit) (19 Unit) (9 Unit) (9 Unit) (9 Unit) (10 Unit)	Number of Floors  1 3 3 1 1 1 26	Unit Area per Floor  Unit Area per Floor  1281.8 sq m (13.797 sq f) 11780 sq m (12.685 sq f) 788.1 sq m (8.100 sq f) 455.7 sq m (5.306 sq f) (5.306 sq f) (5.488 sq f)	Total Unit Area  (845.3 sq m (41,391.5q t) 50557.5q m (24,393.0q t) 274.3 sq m (24,493.0q t) 495.7 sq m (5,356.3q t) 5,356.3q t) 5,356.3q t) 5,489.3q t) 5,489.3q t) 5,489.3q t)		ma per Floor 421.5 sq m (4.537 sq th) 257.2 sq m (2.706 sq th) 754.7 sq m (2.742 sq th) 130.8 sq m (4.408 sq th) 120.9 sq th) (1.308 sq m (1.308 sq m) (1.308 sq m)		Area 421.5 sq.m. (4.537 sq.t). 771.5 sq.m. (4.537 sq.t). 771.5 sq.m. (8.26 sq.t). 784.2 sq.m. (8.26 sq.t). 784.2 sq.m. (8.26 sq.t). 1308.5 sq.m. (1.408.5q.t). 121.0 sq.m. (1.408.5q.t). 121.0 sq.m. (1.302 sq.t).	72.1 sq m (776 sq f)	Gross Area per Floor 651.6 sq.m (7.014 sq. b) 15389 sq.m (16.565 sq.b) 1433.3 sq.m (15.428 sq.b) 933.6 sq.m (10.265 sq.b) 696.6 sq.m (7.500 sq.b) 697.1 sq.m (7.700 sq.b) 697.3 sq.m (7.700 sq.b) 598.6 sq.m (7.500 sq.b) 598.6 sq.m	Total Gross Area (all Floors) 651.6 squa (7.014 sq 1) 651.6 squa (7.014 sq 1) 651.6 squa (49.005 sq 1) 42999 squa (49.005 sq 1) 28099 squa (69.204 sq 1) 696.6 squa (7.205 sq 1) 696.6 squa (8.705 sq 1) 67.505 sq 1) 506.8 sq 10 506	FAR Exclusion 230.1 sq. (2.477 sq. (2.477 sq. (776 sq. (0.5q. (0.5q.
E All floor areas are " area disal excision vel  L1  L2-4  L5-7  L8-10  L11  L12  L13-36  L30 - Amenty	"Gross Fibor Area" as defined inche parking and louding areas (PHASE 2)  Level (D. Unit) (24 Unit) (19 Unit) (15 Unit) (9 Unit) (9 Unit)	Number of Floors  1 3 3 1 1 1 26	Unit Area per Floor  1281 8 sq m (13.797 sq ft) 11766 sq m (12.696 sq ft) 758 1 sq m (8.100 sq ft) 465,7 sq ft (5.306 sq ft) 556,5 sq ft (5.468 sq ft) 557,5 sq ft (5.468 sq ft) 557,5 sq ft (5.468 sq ft)	Total Unit Area  3945.3 sq m (41.391.50.1) (25.57.50.m) (26.59.57.1) (27.43.5 sq m (37.5		#21 S sq m (4537 sq T) 257 2 Sq m (2,788 sq T) 2547 S sq m (2,148 sq T) (2,155 sq T) (2,155 sq T) (4,488 sq T) (1,488 sq T) (2,155 sq T		421.5 sq.m (4.537 sq.ft) (4.537 sq.ft) 771.5 sq.m (6.344 sq.ft) 784.2 sq.m (6.26 sq.ft) (6.365 sq.ft) (6.365 sq.ft) (1.302 sq.ft) (1.302 sq.ft) (3.355 sq.ft) (3.355 sq.ft) (3.355 sq.ft)	indoor Amenity Area 20.1 sq m (2.477 sq f) 72.1 sq m (776 sq f) 508.8 sq m (5.455 sq f)	Gross Area per Floor 651 5 sq m (7.014 sq b), 15389 sq m (18.955 sq b), 1433 3 sq m (15.428 sq b), 9536 sq m (17.50 sq b), 698 5 sq m (67.50 sq b), 666 3 sq m (7.50 5 sq b),	Total Gross Area (all Floors) (551.6 squil (7.014 sq.)) (551.6 squil (7.014 sq.)) (561.6 squil (7.014 sq.)) (561.6 sq.) (462.84 sq.) (280.76 sq.) (280.76 sq.) (280.76 sq.) (7.200 sq.) (7	FAR Exclusion 230.1 sq (2.477 sq. (776 sq. (0.5q) (0.5q) (0.5q)
E All floor areas are "area dhall excitote velicities and "area dhall excitote velicities".  L1  L2-4  L5-7  L8-10  L11  L12  L13-38	"Gross Fibor Area" as defined inche parking and louding areas (PHASE 2)  Level (0 Unit) (24 Unit) (19 Unit) (19 Unit) (9 Unit) (9 Unit) (9 Unit) (10 Unit)	Number of Floors  1 3 3 1 1 1 26	Unit Area per Floor  1281 8 sq m (13.797 sq ft) 11766 sq m (12.696 sq ft) 758 1 sq m (8.100 sq ft) 465,7 sq ft (5.306 sq ft) 556,5 sq ft (5.468 sq ft) 557,5 sq ft (5.468 sq ft) 557,5 sq ft (5.468 sq ft)	Total Unit Area  3945.3 sq m		#21 S sq m (4537 sq T) 257 2 Sq m (2,788 sq T) 2547 S sq m (2,148 sq T) (2,155 sq T) (2,155 sq T) (4,488 sq T) (1,488 sq T) (2,155 sq T		Area 421.5 sq m (4.537 sq f) 771.5 sq m (8.304 sq f) 764.2 sq m (8.304 sq f) 764.2 sq m (8.26 sq f) 560.7 sq m (1.406 sq f) (1.306 sq m (1.406 sq f) (1.306 sq m (	72.1 sq m (776 sq f)	Gross Area per Floor 651 6 sq m (7.014 sq b) 15389 sq m (10.555 sq b) 14333 sq m (15.428 sq b) 9536 sq m (10.265 sq b) 668 6 sq m (7.500 sq b) 667.1 sq m (6.750 sq b) 668 3 sq m (7.455 sq b) 560 8 sq m (7.455 sq b)	Total Gross Area (all Floors) (551.6 squil (7.014 sq.)) (551.6 squil (7.014 sq.)) (561.6 squil (7.014 sq.)) (561.6 sq.) (462.84 sq.) (280.76 sq.) (280.76 sq.) (280.76 sq.) (7.200 sq.) (7	FAR Exclusion 230.1 sq. (2.477 sq. (2.477 sq. (776 sq. (0.9 sq. (0.545 sq. (5.455 sq.
E. All floor areas are "area of all occubio vel"  L1  L2-4  L5-7  L8-10  L11  L12  L13-38  L30 - Amenty	'Consis Flow Area' as defined incide parking and looding areas (PHASE 21 (D Unit) (21 Unit) (21 Unit) (19 Unit) (19 Unit) (9 Unit)	Number of Floors  1 3 3 1 1 1 26	Unit Area per Floor  1281 8 sq m (13.797 sq ft) 11766 sq m (12.696 sq ft) 758 1 sq m (8.100 sq ft) 465,7 sq ft (5.306 sq ft) 556,5 sq ft (5.468 sq ft) 557,5 sq ft (5.468 sq ft) 557,5 sq ft (5.468 sq ft)	Total Unit Area  39453 5q m		#21 S sq m (4537 sq T) 257 2 Sq m (2,788 sq T) 2547 S sq m (2,148 sq T) (2,155 sq T) (2,155 sq T) (4,488 sq T) (1,488 sq T) (2,155 sq T		421.5 sq.m. 421.5 sq.m. 4537 sq.th. 771.5 sq.m. (8.304 sq.th.) 784.2 sq.m. (8.26 sq.th.) 580.7 sq.m. (8.315 sq.th.) 130.8 sq.m. (1.406 sq.th.) 121.0 sq.m. (1.302 sq.th.) 3345.0 sq.m. (33.652 sq.th.) 5940.5 sq.m.	72.1 sq m (776 sq f) 508.8 sq m (5.55 sq f) 508.8 sq m (5.55 sq f) 509.9 sq m	Gross Area per Floor 651.6 sq. m (7.014 sq. b) 15389 sq. m (16.565 sq. b) 1433.3 sq. m (15.428 sq. b) 953.6 sq. m (10.205 sq. b) 686.6 sq. m (7.500 sq. b) 687.7 sq. m (7.500 sq. b) 687.5 sq. m (7.500 sq. b) 687.5 sq. m (7.505 sq. b) 686.8 sq. m (7.505 sq. b) 686.8 sq. m (7.505 sq. b) 586.8 sq. m (7.505 sq. b) 586.8 sq. m (7.505 sq. b) (7.505 sq. b) (7.505 sq. b)	Total Gross Area (all Floors) 651.6 sqm (7.014 sq 1) 661.6 sq m (7.014 sq 1) 661.6 sq m (7.015 sq 1) 660.6 sq m (7.029 sq 1) 2009 sq m (8.209 sq 1) 680.6 sq m (7.500 sq 1) 687.1 sq m (8.705 sq 1) 1880.4 sq m (9.705 sq 1) 1880.4 sq m (9.705 sq 1) 1880.4 sq m (9.705 sq 1) 501.8 sq m (9.705 sq 1)	FAR Exclusion 230.1 5q (2.477 sq (2.477 sq (778 sq (0.5q (0.5q (5.455 sq (5.455 sq (0.5q (5.455 sq (0.5q (0.
E All floor areas are " area disal excision vel  L1  L2-4  L5-7  L8-10  L11  L12  L13-36  L30 - Amenty	'Cross Fibo Area' as defined incide parking and looding areas (PHASE 2) Level (D tout) (21 Unit) (19 Unit) (15 Unit) (9 Unit) (10 Unit) (10 Unit) (10 Unit) (10 Unit) (PHASE 1)	Number of Floors  1 3 3 3 1 1 26 1 39	Unit Area per Floor  1281 8 sq m (13.797 sq ft) 11766 sq m (12.696 sq ft) 758.1 sq m (8.109 sq ft) 495.7 sq ft (5.306 sq ft) 55.05 sq ft (5.408 sq ft) 55.7 sq ft (5.408 sq ft) 55.7 sq ft (5.408 sq ft)	70tal Unit Area  7845.3 5q m (41,391.5q 1) 2555.7 5q m (28,058.5q 1) 2747.3 5q m (28,058.5q 1) 2747.3 5q m (24,400.5q 1) 455.7 5q m (5,465.5q 1) 500.15q m (5,465.5q 1) 14559.15q 1) 27616.2 5q m (275,731.5q 1)	Common As	(4.507 sq.5) (4.507 sq.5) (2.57 sq.5) (2.57 sq.5) (2.57 sq.5) (2.57 sq.5) (2.57 sq.5) (2.56 sq.5) (2.56 sq.5) (3.56 sq.5) (3.65 sq.5) (4.08 sq.5) (4.08 sq.5) (2.10 sq.5) (3.02 sq.5) (4.08 sq.5) (4.08 sq.5) (4.08 sq.5) (4.08 sq.5) (4.08 sq.5) (4.08 sq.5) (4.08 sq.5) (4.08 sq.5) (4.08 sq.5)	Total Common	421.5 sq.m. 421.5 sq.m. 425.7 sq.t. 771.5 sq.m. (8.304.9 sq.t.) 784.2 sq.m. (8.206.9 sq.t.) 580.7 sq.m. (8.315.5 sq.t.) 130.8 sq.m. (1.302.9 sq.t.) (1.302.9 sq.t.) (3.352.9 sq.t.) 531.5 sq.t. (3.352.9 sq.t.) 531.5 sq.t. (3.352.9 sq.t.) 531.5 sq.t. (3.352.9 sq.t.) 531.5 sq.t. (3.352.9 sq.t.)	72.1 sq m (7.47 sq f) 72.1 sq m (7.76 sq f) 508.8 sq m (8.756 sq f)	Gross Area per Floor 651.6 sq m (7.014 sq th) 15389 sq m (16.565 sq th) 1433.3 sq m (15.428 sq th) 953.6 sq m (10.205 sq th) 686.6 sq m (7.500 sq th) 687.7 sq m (7.504 sq th) 686.8 sq m (7.505 sq th) 67.504 sq th) (7.455 sq th) 566.8 sq m (7.455 sq th) 566.8 sq m (7.455 sq th)	Total Gross Area (all Floors) 651.6 sq.m (7.014 sq.t) 4516.6 sq.tm (7.014 sq.t) 4516.8 sq.tm (49.005 sq.t) 2200.9 sq.tm (46.204 sq.t) 2200.9 sq.tm (50.755 sq.t) 686.6 sq.tm (7.500 sq.t) 687.750 sq.t (87.750 sq.t) 1810.0 sq.tm (194.870 sq.t) 5508.8 sq.tm (348.283 sq.t) 5508.8 sq.tm (348.283 sq.t) 7.004.8 sq.t) 7.004.	FAR Exclusion 230.1 5q (2.477 5q) 72.1 5q (778 5q) (9.5q) (9.5q) 506.8 5q (5.455 3q) (9.708 sq) (8.708 sq)
E. All floor areas are "area of all occubio vel"  L1  L2-4  L5-7  L8-10  L11  L12  L13-38  L30 - Amenty	'Gross Fibro Area' as defined inche paring and looding areas (PHASE 2) Level (O lost) (21 Unit) (19 Unit) (19 Unit) (9 Unit) (9 Unit) (10 Unit) (9 Unit) (10 Unit) (9 Unit) (10 Unit) (PHASE 1) Level	Number of Floors  1 3 3 1 1 1 26	Unit Area per Floor  1281.8 sq m (13.797 sq ft) 1176.8 sq m (12.696 sq ft) 758.1 sq m (8.160 sq ft) 485.7 sq m (5.396 sq ft) 595.5 sq m (5.488 sq ft) 575.3 sq m (6.193 sq ft) Unit Area per Floor	Total Unit Area  39453 59 m (41.391 59.1) 35557 59 m (88.66 59.1) 2747 39 m (24.40 59.1) 4957 59 m (5.336 59.2) 4957 59 m (5.446 59.1) 14599 1 59 m (5.446 59.1) 2591 59 m (5.475 59.1) 2591 59 m (755,731 59 m) (755,731 59 m)	Common As	1988 per Floor 4215 Som (4537 Soft) 4257 Soft) 2572 Soft) (2778 Soft) (2778 Soft) (2778 Soft) (27142 Soft) (2915 S		4215 59 m 4215 59 m (4537 59 t) 7715 59 m (8384 59 t) 7642 59 m (826 59 t) 5567 59 m (8315 59 t) 1210 59 m (4,002 59 t) 33450 59 m (53,644 59 m) (53,944 59 m)	230.1 sq m (2.477 sq t) (2.477 sq t) (775 sq t) (776 sq t) (899.9 sq m (8.758 sq tt)	Gross Area per Floor  651.5 sq m (7.014 sq b) 15389 sq m (16.565 sq b) (15.428 sq b) (15.428 sq b) (15.425 sq b) (15.425 sq b) (16.55 sq b) (17.50 sq b) (18.55 sq b) (18.55 sq b) (18.55 sq b) (7.105 sq b) (76.482 sq fb)	Total Gross Area (all Floors) 651.6 Sum (7.014 sq.1) 651.6 Sum (7.014 sq.1) 695.6 Sq.1 (209 sq.1) 2860.9 sq.1 (209 sq.1) 2860.9 sq.1 (200 sq.1) 2860.9 sq.1 (200 sq.1) 500.6 Sq.1 (200 sq.1) 500.8 Sq.1 (200 sq.1) 32285.8 sq.1 (348,383 sq.1) (348,38	FAR Exclusions  [2417 sq. (2.417
E Ali floor areas are "ere a shall excitote veli L1 L2-4 L5-7 L8-10 L11 L12- L13-38 L30 - Amenty	'Cross Fibo Area' as defined incide parking and looding areas (PHASE 2) Level (D tout) (21 Unit) (19 Unit) (15 Unit) (9 Unit) (10 Unit) (10 Unit) (10 Unit) (10 Unit) (PHASE 1)	Number of Floors  1 3 3 3 1 1 26 1 39	Unit Area per Floor  1281 8 sq m (13.797 sq ft) 11766 sq m (12.696 sq ft) 758.1 sq m (8.109 sq ft) 495.7 sq ft (5.306 sq ft) 55.05 sq ft (5.408 sq ft) 55.7 sq ft (5.408 sq ft) 55.7 sq ft (5.408 sq ft)	70tal Unit Area  7845.3 5q m (41,391.5q 1) 2555.7 5q m (28,058.5q 1) 2747.3 5q m (28,058.5q 1) 2747.3 5q m (24,400.5q 1) 455.7 5q m (5,465.5q 1) 500.1 5q m (5,465.5q 1) 14559.1 5q m (75,731.5q 1)	Common As	(4.507 sq.5) (4.507 sq.5) (2.57 sq.5) (2.57 sq.5) (2.57 sq.5) (2.57 sq.5) (2.57 sq.5) (2.56 sq.5) (2.56 sq.5) (3.56 sq.5) (3.65 sq.5) (4.08 sq.5) (4.08 sq.5) (2.10 sq.5) (3.02 sq.5) (4.08 sq.5) (4.08 sq.5) (4.08 sq.5) (4.08 sq.5) (4.08 sq.5) (4.08 sq.5) (4.08 sq.5) (4.08 sq.5) (4.08 sq.5)	Total Common	421.5 sq.m. 421.5 sq.m. 425.7 sq.t. 771.5 sq.m. (8.304.9 sq.t.) 784.2 sq.m. (8.206.9 sq.t.) 580.7 sq.m. (8.315.5 sq.t.) 130.8 sq.m. (1.302.9 sq.t.) (1.302.9 sq.t.) (3.352.9 sq.t.) 531.5 sq.t. (3.352.9 sq.t.) 531.5 sq.t. (3.352.9 sq.t.) 531.5 sq.t. (3.352.9 sq.t.) 531.5 sq.t. (3.352.9 sq.t.)	72.1 sq m (7.47 sq f) 72.1 sq m (7.76 sq f) 508.8 sq m (8.756 sq f)	Gross Area per Floor 651.5 sq m (7.014 sq b) 15389 sq m (18.565 sq b) 163.89 sq m (18.565 sq b) 19.265 sq b) 19.275 sq b)	Total Gross Area (all Floors) 651.6 sq.m (7.014 sq.t) 4516.6 sq.tm (7.014 sq.t) 4516.8 sq.tm (49.005 sq.t) 2200.9 sq.tm (46.204 sq.t) 2200.9 sq.tm (50.755 sq.t) 686.6 sq.tm (7.500 sq.t) 687.750 sq.t (87.750 sq.t) 1810.0 sq.tm (194.870 sq.t) 5508.8 sq.tm (348.283 sq.t) 5508.8 sq.tm (348.283 sq.t) 7.004.8 sq.t) 7.004.	FAR Exclusion 230.1 5q (2.477 5q  72.1 5q (776 5q (6.35q (6.455 5q (6.476 5q
E. All floor areas are ** rea shall excitate with L1 L2-4 L5-7 L8-10 L11 L12 L13-36 L39 - Amenty TOTAL	'Gross Fibro Area' as defined inche paring and looding areas (PHASE 2) Level (O lost) (21 Unit) (19 Unit) (19 Unit) (9 Unit) (9 Unit) (10 Unit) (9 Unit) (10 Unit) (9 Unit) (10 Unit) (PHASE 1) Level	Number of Floors  1 3 3 1 1 26 1 Number of Floors	Unit Area per Floor  1281 8 sq m (13.797 sq %) 11766 sq m (12.696 sq %) 758 1 sq m (8.100 sq %) 485 7 sq m (5.306 sq %) 556 5 sq %) 557 8 sq m (8.100 sq %) 558 5 sq %) 558 5 sq % (8.100 sq %) 559 8 sq m (8.100 sq %) 559 8 sq m (8.100 sq %) 559 8 sq m (8.500 sq %)	Total Unit Area  39453 59 m	Common As	(435 sq m (4537 sq 2) 257 2 sq m (2778 sq 2) 757 2 sq m (2788 sq 2) 754 7 sq m (2742 sq 2) 1596 8 sq m (2105 sq 2) (1308 sq 2) (2105 sq 2	Total Common	421.5 sq.m. 421.5 sq.m. 421.5 sq.m. 425.7 sq.t. 771.5 sq.m. 6.304.5 sq.t. 771.5 sq.m. 6.304.5 sq.t. 784.2 sq.m. 6.265 sq.t. 784.2 sq.m. 6.315 sq.t. 1308.8 sq.m. (1,406.5 sq.t. 1308.8 sq.m. (1,506.5 sq.t. 3345.0 sq.m. 633.844.5 sq.m. 653.944.5 sq.m. 653.944.5 sq.m. 653.944.5 sq.m.	72.1 sq m (776 sq f) 506.8 sq m (8.55 sq f) 807.9 sq m (7.65 sq f) 700.8 sq m (7.65 sq f) 809.9 sq m (8.765 sq f) 700.8 sq m (	Gross Area per Floor 651.6 sq m (7.014 sq b) 15389 sq m (16.565 sq b) 1433.3 sq m (15.428 sq b) 9536 sq m (7.025 sq b) 686.6 sq m (7.500 sq b) 687.5 sq c) (7.500 sq b) 687.5 sq m (7.505 sq b) 67.15 sq m (7.455 sq b) 7.165 sq b) (7.165 sq b)	Total Gross Area (all Floors) 651.6 sq.m (7.014 sq.t) 651.6 sq.m (7.014 sq.t) 4916.8 sq.t) 4916.8 sq.t) 4919.9 sq.m (46.244 sq.t) 2809.9 sq.m (46.244 sq.t) 2809.9 sq.m (7.500 sq.t) 1810.0 sq.t) 1810.0 sq.t (19.4870 sq.t) 1810.0 sq.t (19.	FAR Exclusion 230.1 5q (2.477 5q  72.1 5q (776 5q (6.35q (6.455 5q (6.476 5q
E. All floor areas are the adulation of the floor areas are the adulation of the floor areas are the floor	Conse Fivo Aneil as defined include parking and looding areas (PHASE 2)  (PHASE 2)  (PHASE 2)  (PHASE 3)  (PHASE 3)  (PHASE 3)  (PHASE 1)  Level  (D Unit)  (D Unit)  (D Unit)  (D Unit)  (D Unit)  (D Unit)	Number of Floors  1 3 3 3 1 1 26 1 Number of Floors	Unit Area per Floor  1281.8 sq m (13.797 sq %) 1178.8 sq m (12.696 sq %) 758.1 sq m (8.160 sq %) 485.7 sq m (5.366 sq %) 575.3 sq m (5.485 sq %) 575.3 sq m (6.193 sq %) Unit Area per Floor 559.8 sq m (5.595 sq %)	Total Unit Area  39453 59 m (41.391 59.1) (3557 59.0) (36.58 59.1) (274.39 59.1) (274.39 59.1) (274.39 59.1) (274.39 59.1) (274.39 59.1) (35.36 59.2) (35.36 59.2) (35.36 59.2) (35.36 59.2) (35.36 59.2) (35.36 59.2) (35.36 59.2) (35.37 59.2) (35.37 59.2) (35.37 59.2) (35.37 59.2) (35.37 59.2) (35.37 59.2) (35.37 59.2) (35.37 59.2) (35.37 59.2) (35.37 59.2) (35.37 59.2) (35.37 59.2) (35.37 59.2) (35.37 59.2)	Common As	(435 sq m (4537 sq 2) 257 2 sq m (2778 sq 2) 757 2 sq m (2788 sq 2) 754 7 sq m (2742 sq 2) 1596 8 sq m (2105 sq 2) (1308 sq 2) (2105 sq 2	Total Common	421.5 sq.m. 421.5 sq.m. 421.5 sq.m. 425.7 sq.t. 771.5 sq.m. 6.304.5 sq.t. 771.5 sq.m. 6.304.5 sq.t. 784.2 sq.m. 6.265 sq.t. 784.2 sq.m. 6.315 sq.t. 1308.8 sq.m. (1,406.5 sq.t. 1308.8 sq.m. (1,506.5 sq.t. 3345.0 sq.m. 633.844.5 sq.m. 653.944.5 sq.m. 653.944.5 sq.m. 653.944.5 sq.m.	72.1 sq m (776 sq f) 506.8 sq m (8.55 sq f) 807.9 sq m (7.65 sq f) 700.8 sq m (7.65 sq f) 809.9 sq m (8.765 sq f) 700.8 sq m (	Gross Area per Floor 651.6 sq.m (7.014 sq.tb) 15389 sq.m (16.565 sq.tb) 14533 sq.m (15.428 sq.tb) 953.6 sq.m (10.265 sq.tb) 666.6 sq.m (7.500 sq.tb) 666.5 sq.tb) 667.7 sq.m (7.700 sq.tb) 77.105 sq.tb) (7.105 sq.tb) (7.105 sq.tb) (7.105 sq.tb) Area per Floor 1342.8 sq.m (14.45 sq.tb) 5519.8 sq.m (14.45 sq.tb) 5519.8 sq.m	Total Gross Area (all Floors) 651.6 sum (7.014 sq.1) 651.6 sum (7.014 sq.1) 691.6 sq.1 (490.65 sq.1) 4299.9 sq.1 (400.65 sq.1) 4299.9 sq.1 (400.65 sq.1) 696.6 sq.1 (600.65 sq.1) 696.6 sq.1 (600.65 sq.1) 696.6 sq.1 (600.65 sq.1) 697.1 sq.1 (600.65 sq.1) 697.1 sq.1 (600.65 sq.1) 506.8 sq.1 (600.65 sq.1) 697.8 sq.1 (600.65	FAR Exclusion 230.1 5q (2.477.5q) 72.1 5q (776.5q) (0.5q) (0.5q) (0.5q) (0.5q) (0.708.8 5q) (0.708.8 5q) (0.708.8 5q) (0.708.8 5q)
E. All floor areas are the adulation of the floor areas are the adulation of the floor areas are the floor	'Conse Fivo Anei' as defined incle parking and looding areas (PHASE 2) Level (D lood) (24 Unit) (19 Unit) (15 Unit) (9 Unit) (9 Unit) (10 Unit) (9 Unit) (10 Unit) (PHASE 1) Level (10 Unit)	Number of Floors  1  3  3  1  1  26  1  Number of Floors	Unit Area per Floor  1281.8 sq m (13.797 sq ft) 1176.8 sq m (12.696 sq ft) 758.1 sq m (8.160 sq ft) 459.7 sq ft) (5.366 sq ft) 557.3 sq m (6.193 sq ft) 548.8 sq ft) 548.9 sq ft (6.193 sq ft) 10.10 sq	Total Unit Area  39453 59 m (41.391 59.1) (3557 59.1) (24.89 59.1) (24.89 59.1) (5.36 59.1) (5.36 59.1) (5.48 59.1) (6.48 59.1) (7.57 19.1)	Common As	78a per Floor 4215 sqm (4537 sq15) 2572 sqm (2778 sq15) 2572 sq15) 2574 sq15) 2547 sq15) 2547 sq15) 1596 sq15) 1597 sq15) 1597 sq15) 1597 sq15) 1597 sq15) 1597 sq15) 1597 sq15) 1598 sq15)	Total Common	4215 sq.m. 4215 sq.m. 4215 sq.m. 45317 sq.t) 7715 sd.m. (8,304 sq.t) 7842 sq.m. (8,304 sq.t) 7842 sq.m. (8,305 sq.t) (1,308 sq.t) (1,308 sq.t) (1,308 sq.t) (1,308 sq.t) (3,308 sq.t) 5940,8 sq.m. (8,3,944 sq.tt) 6,5902 sq.t) 680.8 sq.m. (7,113 sq.t)	72.1 sq m (776 sq f) 506.8 sq m (8.55 sq f) 807.9 sq m (7.65 sq f) 700.8 sq m (7.65 sq f) 809.9 sq m (8.765 sq f) 700.8 sq m (	Gross Area per Floor 651.6 sq m (7.014 sq tb) 15389 sq m (16.565 sq b) 16589 sq m (16.565 sq b) 953.6 sq m (19.265 sq tb) 666.6 sq m (7.500 sq tb) 667.3 sq m (7.500 sq tb) 666.3 sq m (7.500 sq tb) 676.5 sq tb) 77.005 sq tb (7.705 sq tb) 77.005 sq tb) 77.005 sq tb) 77.005 sq tb) 77.005 sq tb) 78.482 sq tb) 78.482 sq tb) 78.483 sq tb) 78.583 sq tb)	Total Gross Area (all Floors) 651.6 sq m (7.014 sq 1) 651.6 sq m (7.014 sq 1) 651.6 sq m (9.05 sq 1) 4299.9 sq m (9.05 sq 1) 4299.9 sq m (9.05 sq 1) 690.6 sq m (9.05 sq 1) 690.6 sq m (7.50 sq 1) 690.6 sq m (7.50 sq 1) 690.0 sq m (9.750 sq 1) 690.0 sq m (9.750 sq 1) 690.0 sq m (9.950 sq 1) 690.0 sq 1) 690.0 sq m (9.950 sq 1) 690.0 sq 1)	FAR Exclusion 230.1 5q (2.477.5q) 72.1 5q (776.5q) (0.5q) (0.5q) (0.5q) (0.5q) (0.708.8 5q) (0.708.8 5q) (0.708.8 5q) (0.708.8 5q)
E All floor areas are the area disal excitote with the second of the sec	Conse Fivo Aneil as defined include parking and looding areas (PHASE 2)  (PHASE 2)  (PHASE 2)  (PHASE 3)  (PHASE 3)  (PHASE 3)  (PHASE 1)  Level  (D Unit)  (D Unit)  (D Unit)  (D Unit)  (D Unit)  (D Unit)	Number of Floors  1 3 3 3 1 1 26 1 Number of Floors	Unit Area per Floor  1281 8 sq m (13.797 sq ft) 11786 sq m (12.696 sq ft) 758.1 sq m (8.100 sq ft) 495.7 sq m (5.306 sq ft) 556.5 sq ft) 557.5 sq m (6.103 sq ft) 557.5 sq ft) 557.5 sq ft (13.912 sq ft)	Total Unit Area  39453 59 m (41.391 59.1) (3557 59.0) (24.490 90.1) (24.490 90.1) (5.336 59.1) (5.448 59.1) (5.448 59.1) (5.448 59.1) (5.448 59.1) (5.457 59.1)	Common As	783 per Floor 421.5 sq m (4.537 sq 2); 257.2 sq m (2.7788 sq 2); 257.2 sq m (2.7788 sq 2); 257.3 sq m (2.742 sq 2); 159.6 sq m (2.145 sq 2); 159.6 sq m (1.1408 sq 2); 121.0 sq m (1.302 sq 2); 121.0 sq m (1.302 sq 2); 121.0 sq m (1.302 sq 2); 121.0 sq m (2.303 sq m (2.303 sq m (3.303 sq m (2.331 sq m (2.33	Total Common	4215 50 m 4215 50 m (4537 50 t) (4537 50 t) (6304 50 t) 7715 50 m (6304 50 t) 7642 50 m (626 50 t) 7642 50 m (626 50 t) 7642 50 m (6305 50 t) (1305	72.1 sq m (776 sq f) 506.8 sq m (8.55 sq f) 807.9 sq m (7.65 sq f) 700.8 sq m (7.65 sq f) 809.9 sq m (8.765 sq f) 700.8 sq m (	Gross Area per Floor 651.6 sq m (7.014 sq tb) 15389 sq m (16.565 sq b) (16.565 sq b) (15.428 sq tb) (15.428 sq tb) (16.525 sq tb) (16.525 sq tb) (16.525 sq tb) (16.525 sq tb) (16.535 sq tb) (16.535 sq tb) (16.535 sq tb) (16.535 sq tb) (17.106 sq tb)	Total Gross Area (all Floors) 651.6 sq.m (7.014 sq.t) 4516.6 sq.m (7.014 sq.t) 4516.6 sq.m (8.085 sq.t) 2509.9 sq.m (86.284 sq.t) 2509.9 sq.m (86.284 sq.t) 1500.7 sq.t (87.750 sq.t) 1510.0 sq.m (87.750 sq.t) 1510.0 sq.m (194.870 sq.t) 1510.0 sq.m (194.870 sq.t) 1510.0 sq.m (348.283 sq.t) 1510.0 sq.t (194.54 sq.t) 1510.0 sq.t (19	FAR Exclusion 230.1 5q (2.477 5q  72.1 5q (776 5q (6.35q (6.455 5q (6.476 5q
E All floor areas are the area of all or chole with the the the the the the the the the t	Conse Fibo Aneil as defined incide parking and looding areas (PHASE 2)  Level (D tool) (24 tool) (19 tool) (21 tool) (21 tool) (19 tool) (19 tool) (19 tool) (19 tool) (19 tool)	Number of Floors  1 3 3 3 1 1 26 1 1 39  Number of Floors 1 1 26 1 39	Unit Area per Floor  1281 8 sq m (13.797 sq ft) 1176 6 sq m (12.696 sq ft) 758.1 sq m (8.100 sq ft) 485.7 sq m (5.306 sq ft) 550.6 sq ft)	Total Unit Area  3945.3 5q m	Common As	### PROOF ### PR	Total Common	421.5 sq.m. 421.5 sq.m. 421.5 sq.m. 425.7 sq.t. 771.5 sq.m. (8.304.9 sq.t. 771.5 sq.m. (8.304.9 sq.t. 764.2 sq.m. (8.265.9 sq.t. 764.2 sq.m. (8.265.9 sq.t. 1308.8 sq.m. (1.308.9 sq.t. 1308.8 sq.t. (1.308.9 sq.t. 1345.0 sq.m. (53.944.sq.th)  4466.5 sq.t. (7.113.9 sq.t. 4166.6 sq.t. (4.564.9 sq.t. 1308.8 sq.t. (1.308.9 sq.t. 1308.8 sq.t. (1.308.9 sq.t. 1308.8 sq.t. (1.308.9 sq.t. 1308.8 sq.t.	72.1 sq m (8.76 sq ft)  Total Amenity Area  72.1 sq m (7.76 sq ft)  72.1 sq m (7.76 sq ft)  506.8 sq m (8.755 sq ft)  72.1 sq m (8.706 sq ft)	Gross Area per Floor 651.6 sq. m (7.014 sq. b) 15389 sq. m (16.565 sq. b) 1433.3 sq. m (15.428 sq. b) 953.6 sq. m (10.205 sq. b) 686.6 sq. m (7.500 sq. b) 687.5 sq. b) 67.15 sq. m (7.505 sq. b) 67.15 sq. m (7.455 sq. b) (7.165 sq. b)	Total Gross Area (all Floors) 651.6 sq.m (7.014 sq.t) 4516.6 sq.m (7.014 sq.t) 4516.6 sq.m (8.085 sq.t) 2519.9 sq.m (86.284 sq.t) 2509.9 sq.m (86.284 sq.t) 2509.9 sq.m (87.750 sq.t) 1510.4 sq.t) 1510.4 sq.t (15.05 sq.t) 1510.4 sq.t (15.05 sq.t) 1510.4 sq.t (15.05 sq.t) 1510.6 sq.t (15.05 sq.t) 1	FAR Exclusion 230.1 54 (2.477 52 (2.477 52 (2.477 52 (2.477 52 (3.455 52 (3.455 52 (3.455 52 (3.475 52 (3.
E All floor areas are ** area drial excision velication of the control of the con	Consis Flow Area* as defined include parking and looding areas (PHASE 2)  Level (D tool) (24 tool) (19 tool) (21 tool) (21 tool) (21 tool) (29 tool) (19 too	Number of Floors  1  3  3  1  1  26  1  Number of Floors  1  26  1  39	Unit Area per Floor  1281.8 sq m (13.797 sq ft) 1176.8 sq m (12.696 sq ft) 758.1 sq m (8.160 sq ft) 455.7 sq m (5.336 sq ft) 551.8 sq m (5.488 sq ft) 575.3 sq m (6.163 sq ft) 1176.8 sq ft) 1176.8 sq ft (13.78 sq f	Total Unit Area  39453 59 m (41.391 50 2) (3557 59 m) (86.68 50 2) (274.39 50 2) (274.59 50 2) (274.59 50 2) (274.59 50 2) (274.59 50 2) (274.59 50 2) (274.59 50 2) (274.59 50 2) (274.59 50 2) (274.59 50 2) (274.59 50 2) (274.59 50 2) (275.79 50 2) (275.	Common As	1782 per Floor 4215 som (4537 soft) 4257 soft) 2572 soft) (2778 soft) (2778 soft) (2718 soft)	Total Common	4215 50 m 4215 50 m 4537 50 th (4537 50 th (6304 50 th 7715 50 m (6304 50 th 7642 50 m (6226 50 th 7642 50 m (6355 50 th 7586 7 50 m (7585 50 th 7586 7 50 m (7596 50 th 7586 7 50 m (7596 50 th 7596 50 th 75	20.1 sq m (2.47 sq f) (776 sq f) (776 sq f) (89.9 sq m (8.708 sq ft) (8.45	Gross Area per Floor 651.6 sq.m (7.014 sq.tb) 15389 sq.m (16.565 sq.tb) 15389 sq.m (15.428 sq.tb) 9536 sq.m (10.225 sq.tb) 696.6 sq.m (7.500 sq.tb) 697.1 sq.m (8.750 sq.tb) (7.705 sq.tb) (7.105 sq.tb) (7.105 sq.tb) 1542.8 sq.m (14.454 sq.tb) 1519.6 sq.tb) 1512.7 sq.m (5.593 sq.tb)	Total Gross Area (all Floom) 651.6 sum (7.014 sq.1) 651.6 sum (7.014 sq.1) 651.6 sum (9.065 sq.1) 4299.9 sq.1) 2260.9 sq.1) 696.6 sq.1) 696.6 sq.1) 696.6 sq.1) 696.6 sq.1) 697.1 sq.1 697.	FAR Exclusion 230.1 5q. (2.477 5q. (2.477 5q. (2.477 5q. (2.477 5q. (2.478 5q. (2.475 5q. (3.455 5q. (3.455 5q. (3.455 5q. (3.475 5q. (3.475 5q. (2.957 5q. (2.957 5q. (7.755 5q
E All floor areas are the area of all occupion with the area of all occupion with the area of all occupion area occupion.	Conse Fibo Aneil as defined incide parking and looding areas (PHASE 2)  Level (D tool) (24 tool) (19 tool) (21 tool) (21 tool) (19 tool) (19 tool) (19 tool) (19 tool) (19 tool)	Number of Floors  1  3  3  1  1  26  1  Number of Floors  1  26  1  39	Unit Area per Floor  1281.8 sq m (13.797 sq ft) 1176.8 sq m (12.696 sq ft) 758.1 sq m (8.160 sq ft) 459.7 sq ft) 459.7 sq ft) 459.7 sq m (5.366 sq ft) 551.3 sq m (6.163 sq ft) 551.3 sq m (6.163 sq ft) 151.5 sq ft) 152.5 sq m (13.792 sq ft) 152.5 sq m (13.792 sq ft) 152.5 sq m (13.792 sq ft) 1555.3 sq ft 1525.5 sq m (13.792 sq ft) 1555.3 sq ft 1555.3 sq f	Total Unit Area  39453 59 m (41.391 50 1) 2557 59 m (86.68 59 1) 274.39 m (86.68 59 1) 274.39 m (5.36 59 1) 501.19 m (5.36 59 1) 14591 159 14591 159 1596 29 m (75.731 59 m)  Total Unit Area  519.8 59 m (5.555 59 1) 519.8 59 m (5.555 59 1) 273.4 59 m (41.735 59 1) 503.8 59 m (5.505 59 1)	Common As	78a per Floor 4215 sqm (4537 sq15) 2572 sqm (2778 sq15) 2573 sqm (2778 sq15) 2547 sq15) 1596 sq16 (2105 sq15) 1596 sq16 (11302 sq15) 1210 sq16 (11302 sq16)	Total Common	4215 50 m 4215 50 m 4537 50 th (4537 50 th (6304 50 th 7715 50 m (6304 50 th 7642 50 m (6226 50 th 7642 50 m (6335 50 th 7586 7 50 m (7585 50 th 7586 7 50 m (7596 50 th (7596 50 th (7596 50 th (7596 50 th (75	72.1 sq m (8.76 sq ft)  Total Amenity Area  72.1 sq m (7.76 sq ft)  72.1 sq m (7.76 sq ft)  506.8 sq m (8.755 sq ft)  72.1 sq m (8.706 sq ft)	Gross Area per Floor 651.6 sq.m (7.014 sq.tb) 15389 sq.m (16.565 sq.tb) 15389 sq.m (15.428 sq.tb) 9536 sq.tm (10.225 sq.tb) 696.6 sq.m (7.500 sq.tb) 696.3 sq.tm (7.500 sq.tb) 696.3 sq.tb)	Total Gross Area (all Floors) (551.6 sq.m (7.704 sq.t) (561.6 sq.m (7.704 sq.t) (561.6 sq.m (7.704 sq.t) (561.6 sq.t) (562.6 sq.t) (562	FAR Exclusion 230.1 54 (2.477 54) 72.1 54 (776 54) (9.54) 506.8 54 (5.455 54) (6.708 64) (7.76 54) (7.76 54) (7.76 54) (7.76 54) (7.76 54) (7.76 54) (7.76 54) (7.76 54)
E All floor areas are ** area disal excision velication of the control of the con	Consis Flow Area* as defined include parking and looding areas (PHASE 2)  Level (D tool) (24 tool) (19 tool) (21 tool) (21 tool) (21 tool) (29 tool) (19 too	Number of Floors  1  3  3  1  1  26  1  Number of Floors  1  26  1  39	Unit Area per Floor  1281 8 sq m (13.797 sq ft) 1176 6 sq m (12.696 sq ft) 758.1 sq m (8.100 sq ft) 485.7 sq m (8.100 sq ft) 485.7 sq m (8.100 sq ft) 595.8 sq m (8.100 sq ft) 595.8 sq m (8.100 sq ft) 595.8 sq m (8.103 sq ft) 595.8 sq m (13.912 sq ft) 1185.2 sq m (13.912 sq ft) 185.2 sq m (5.306 sq ft) 595.3 sq ft 185.2 sq m (5.306 sq ft) 595.3 sq ft 185.2 sq m (5.306 sq ft) 595.3 sq ft 595.5 sq m (5.306 sq ft)	Total Unit Area  39453 59 m	Common As	### per Floor  #215 sq m (4537 sq 25)  #257 2 sq m (2,778 sq 25)  ### (1,478 sq 25)  ### (1,578 sq 25)  ### (2,578 sq 25)  ### (1,478 sq 25)  ###	Total Common	421.5 sq.m. 421.5 sq.m. 421.5 sq.m. 425.7 sq.t. 4537 sq.t. 771.5 sq.m. (8.304 sq.t.) 771.5 sq.m. (8.304 sq.t.) 784.2 sq.m. (8.265 sq.t.) 784.2 sq.m. (8.265 sq.t.) 1308 sq.m. (1.466 sq.t.) 131.5 sq.t.) 131.5 sq.t. (1.302 sq.t.) 1345.0 sq.m. (8.31.5 sq.t.) 1345.0 sq.m. (8.31.5 sq.t.) 1345.0 sq.m. (8.31.5 sq.t.) 1345.0 sq.m. (8.31.5 sq.t.) 1345.0 sq.t. (8.31.5 sq.t.) 1345.0 sq.t. (8.31.5 sq.t.) 1345.0 sq.t. (9.31.5 sq.t.) 1345.0 sq.t.	72.1 sq m (8.76 sq ft)  Total Amenity Area  72.1 sq m (7.76 sq ft)  72.1 sq m (7.76 sq ft)  506.8 sq m (8.755 sq ft)  72.1 sq m (8.706 sq ft)	Gross Area per Floor  651.6 sq. m (7.014 sq. b) 15389 sq. m (16.565 sq. b) 16389 sq. m (16.565 sq. b) 14333 sq. m (15.428 sq. b) 953.6 sq. m (7.025 sq. b) 686.6 sq. m (7.500 sq. b) 687.5 sq. m (7.695 sq. b) 596.8 sq. m (7.495 sq. b) 150.6 sq. m (4.455 sq. b) 1512.6 sq. m (4.454 sq. b) 1512.7 sq. m (6.233 sq. b) 1512.7 sq. m (6.233 sq. b) 1512.7 sq. m (6.235 sq. b) 1512.7 sq. m (6.235 sq. b) 1512.7 sq. m (6.265 sq. m (7.500 sq. b) 1512.7 sq. m (6.265 sq. m (7.500 sq. b) 1512.7 sq. m (7.500 sq. b)	Total Gross Area (all Floors) 651.6 sq.m (7.014 sq.t) 4516.6 sq.m (7.014 sq.t) 4516.6 sq.m (7.014 sq.t) 4516.6 sq.m (46.085 sq.t) 2500.9 sq.m (46.284 sq.t) 2500.9 sq.m (5.205 sq.t) 1500.0 sq.m (7.500 sq.t) 1500.0 sq.t (5.750 sq.t) 1500.0 sq.t (5.750 sq.t) 1500.0 sq.t (5.750 sq.t) 1500.0 sq.t (5.755 sq.t) 1500.0 sq.t (5.755 sq.t) 1500.0 sq.t (5.565 sq.t) 1500.0 sq.t (5.	FAR Exclusion 230.1 54 (2.477 54) 72.1 54 (776 54) (9.54) 506.8 54 (5.455 54) (6.708 64) (7.76 54) (7.76 54) (7.76 54) (7.76 54) (7.76 54) (7.76 54) (7.76 54) (7.76 54)
E. All foor areas are area shall exclude yell  L1  L2-4  L5-7  L8-10  L11  L12  L13-38  L30 - Amenty  TOTAL  L1  TH Mezannine  L2-4  L5-6  L7  L8-33	'Consis Flow Area' as defined incide parking and looding areas (PHASE 21 (D total) (21 Unit) (19 Unit) (21 Unit) (19 Unit) (21	Number of Floors  1  3  3  1  1  26  1  39  Number of Floors  1  26  1  1  26  1  1  26  1  1  26  1  1  26  1  27  1  28  1  29  1  1  20  20  20  20  20  20  20  20	Unit Area per Floor  1281.8 sq m (13.797 sq ft) 1176.8 sq m (12.696 sq ft) 758.1 sq m (8.160 sq ft) 459.7 sq ft) 459.7 sq ft) 459.7 sq m (5.366 sq ft) 551.3 sq m (6.163 sq ft) 551.3 sq m (6.163 sq ft) 151.5 sq ft) 152.5 sq m (13.792 sq ft) 152.5 sq m (13.792 sq ft) 152.5 sq m (13.792 sq ft) 1555.3 sq ft 1525.5 sq m (13.792 sq ft) 1555.3 sq ft 1555.3 sq f	Total Unit Area  39453 59 m (41.391 50 1) 2557 59 m (86.68 59 1) 274.39 m (86.68 59 1) 274.39 m (5.36 59 1) 501.19 m (5.36 59 1) 14591 159 14591 159 1596 29 m (75.731 59 m)  Total Unit Area  519.8 59 m (5.555 59 1) 519.8 59 m (5.555 59 1) 273.4 59 m (41.735 59 1) 503.8 59 m (5.505 59 1)	Common As	78a per Floor 4215 sqm (4537 sq15) 2572 sqm (2778 sq15) 2573 sqm (2778 sq15) 2547 sq15) 1596 sq16 (2105 sq15) 1596 sq16 (11302 sq15) 1210 sq16 (11302 sq16)	Total Common	4215 52 m 4215 52 m 4537 52 th 4537 52 th 6334 52 th 6334 52 th 6334 52 th 6335 52 th 1308 52 m (4302 52 th 1308 52 th 1308 52 th 1308 52 th 6335 52 th 1308 52 th 633,944 52 th 633,944 52 th 643 52 th 659,92 52 th 660.8 52 m (7,113 52 th 1308 52 m (4,68 52 th 1308 52 m (5,902 52 th)	72.1 sq m (776 sq f)  Total Amenity Area  72.1 sq m (776 sq f)  72.1 sq m (776 sq f)  506.8 sq m (8,755 sq f)  72.1 sq m (776 sq f)  72.1 sq m (776 sq f)	Gross Area per Floor  651.6 sq. m (7.014 sq. b) 15389 sq. m (16.565 sq. b) 16389 sq. m (16.565 sq. b) 14333 sq. m (15.428 sq. b) 953.6 sq. m (7.025 sq. b) 686.6 sq. m (7.500 sq. b) 687.5 sq. m (7.695 sq. b) 157.5 sq. m (7.495 sq. b) 1512.7 sq. m (14.454 sq. b) 1512.7 sq. m (16.233	Total Gross Area (all Floors) 651.6 sq.m (7.014 sq.1) 651.6 sq.m (7.014 sq.1) 4516.6 sq.m (7.014 sq.1) 4516.6 sq.m (46.085 sq.1) 2500.9 sq.m (46.284 sq.1) 2500.9 sq.m (50.765 sq.1) 1500.0 sq.m (7.500 sq.1) 1500.0 sq.m (57.50 sq.1) 1500.0 sq.m (57.50 sq.1) 1500.0 sq.m (57.50 sq.1) 1500.0 sq.m (57.50 sq.1) 1500.0 sq.m (348.285 sq.m (348.285 sq.m (348.285 sq.m (55.69 sq.1) 1500.0 sq.m (68.89 sq.1) 1500.0 sq.1 sq.m (68.89 sq.1) 1500.0 sq.m (68.89	FAR Exclusion 230.1 54 (2.477 54) 72.1 54 (776 54) (9.54) 506.8 54 (5.455 54) (6.708 64) (776 54) (776 54) (776 54) (776 54) (776 54) (9.508 54) (9.508 54)
E All floor areas are area shall exclude well area shall exclude well to be a shall exclude well to be a shall exclude a shall	'Consis Flow Area' as defined incide parking and looding areas (PHASE 2) (PHASE 2) (Distrit) (2) Unit) (2) Unit) (1) Unit) (2) Unit) (2) Unit) (3) Unit) (4) Unit) (5) Unit) (6) Unit) (7) Unit) (7) Unit) (9)	Number of Floors  1  3  3  1  1  26  1  39  Number of Floors  1  26  1  1  26  1  1  27  1  1  28  1  1  1  1  1  1  1  1  1  1  1  1  1	Unit Area per Floor  1281 8 sq m (13.797 sq ft) 1176 6 sq m (12.696 sq ft) 758.1 sq m (8.100 sq ft) 485.7 sq m (8.100 sq ft) 485.7 sq m (8.100 sq ft) 595.8 sq m (8.100 sq ft) 595.8 sq m (8.100 sq ft) 595.8 sq m (8.103 sq ft) 595.8 sq m (13.912 sq ft) 1185.2 sq m (13.912 sq ft) 185.2 sq m (5.306 sq ft) 595.3 sq ft 185.2 sq m (5.306 sq ft) 595.3 sq ft 185.2 sq m (5.306 sq ft) 595.3 sq ft 595.5 sq m (5.306 sq ft)	Total Unit Area  39453 59 m	Common As	### per Floor  #215 sq m (4537 sq 25)  #257 2 sq m (2,778 sq 25)  ### (1,478 sq 25)  ### (1,578 sq 25)  ### (2,578 sq 25)  ### (1,478 sq 25)  ###	Total Common	421.5 sq.m. 421.5 sq.m. 421.5 sq.m. 425.7 sq.t. 4537 sq.t. 771.5 sq.m. (8.304 sq.t.) 771.5 sq.m. (8.304 sq.t.) 784.2 sq.m. (8.265 sq.t.) 784.2 sq.m. (8.265 sq.t.) 1308 sq.m. (1.466 sq.t.) 131.5 sq.t.) 131.5 sq.t. (1.302 sq.t.) 1345.0 sq.m. (8.31.5 sq.t.) 1345.0 sq.m. (8.31.5 sq.t.) 1345.0 sq.m. (8.31.5 sq.t.) 1345.0 sq.m. (8.31.5 sq.t.) 1345.0 sq.t. (8.31.5 sq.t.) 1345.0 sq.t. (8.31.5 sq.t.) 1345.0 sq.t. (9.31.5 sq.t.) 1345.0 sq.t.	72.1 sq m (776 sq f) 508.8 sq m (776 sq f) 508.8 sq m (8.45 sq f) 609.8 sq m (8.768 sq f) 72.1 sq m (7.76 sq f)	Gross Area per Floor 651.6 sq.m (7.014 sq.th) 15389 sq.m (16.565 sq.th) (15.585 s	Total Gross Area (all Floom) (51.6 sq.m (7.014 sq.t) (51.6 sq.m (7.014 sq.t) (51.6 sq.m (7.014 sq.t) (51.6 sq.m (7.505 sq.t) (52.6 sq.t) (	FAR Exclusion 230.1 5q (2.477 5q (2.477 5q (778 5q (778 5q (0.0 5q (0.5q) (5.455 5q (0.5,455 5q (0.9)





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Part   Court   Consequent Stands   Community beautify   Court   Stands   Stands   Considered   Considered   Stands   Considered   Co	Residential Floor	Area									59091.5 sq.m	636,061 sq/ft					
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### Special Country    Final Country   Final C		Lf :	8.046 sq			_		E-sqft.		- Osot	8,346 sq.ft						
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	- Amenity		6 0	9			- 0				0	0.				0	
Amenity NDOOR: 30 s.g. m [23 s.ft.] per dwelling unit up to 557 s.g. m [600 s.g.ft.] of amenity space (equivalent to 186 dwelling units); and 1.0 s.g. m [10.75 s.g.ft.] per dwelling unit to ordinate within the required setabacks:  Amenity NDOOR: 30 s.g. m [23 s.ft.] per dwelling unit and shall not be located within the required setabacks:  Amenity (Phase 2)  Number of Units  Required indoor Amenity per Unit  Required indoor Amenity  Required indoor Amenity per Unit  Required indoor Amenity in the Vision of Section (32 s.g. m) (30 s.												12					
	ribution			30.2%			現器		ER		E	27%		4.0%			
	TE SA Adendate of				- 5	X 6%				担告			27	k			
Monothy of Units  Required indoor Amenity per Unit  Number of Units  Required indoor Amenity per Unit  Amenity  (Phase 2)  43  3.0 sq m  (32 sq ft)  (33 sq ft)  (34 sq ft)  (35 sq ft)  (																	
Total Provided Indoor Amenity   Total Provided Indoo														_	_		
Amenity    No Doors: 30 sq. m   [32 sq.ft.] per dwelling unit up to \$57 sq. m   [6000 sq.ft.] of amenity space (equivalent to 186 dwelling units); and 1.0 sq.m   [10.76 sq.ft.] per dwelling unit for that portion greater than \$57 sq.m   [6000 sq.ft.] of amenity space    Number of Units							2Set junio	20		250	d-Cen	3Bed (10)		5746 s	-	Total (per Floor)	Tot
Amenity   NDOOR: 3.0s, m   [32:sq.ft.] per dwelling unit up to 557 sq. m   6000 sq.ft.] of amenity space (equivalent to 186 dwelling units); and 1.0sq.m   10.76 sq.ft.] per dwelling unit for that portion greater than 557 sq.m   6000 sq.ft.] of amenity space   Number of Units   Required Indoor Amenity per Unit   Total Required Indoor Amenity		#31 FIG		(moderate)	ps 1-000-9014	P			300-002-00-0	100	n action	D Deat		10		10	_
Amenity    NDOOR: 3.0s.q. m [32.sq.ft.] per dwelling unit up to \$57 sq. m [6000 sq.ft.] of amenity space (equivalent to 186 dwelling units); and 1.0s.q. m [10.76sq.ft.] per dwelling unit for that portion greater than \$57 sq. m [6000 sq.ft.] of amenity space (equivalent to 186 dwelling units); and 1.0s.q. m [10.76sq.ft.] per dwelling unit for that portion greater than \$57 sq. m [6000 sq.ft.] of amenity space (equivalent to 186 dwelling units); and 1.0s.q. m [10.76sq.ft.] per dwelling unit for that portion greater than \$57 sq. m [6000 sq.ft.] of amenity space	Necosmine			9	0				-		0	0				0	_
Amenity   NDOOR: 3.0s, m   [32:sq.ft.] per dwelling unit up to 557 sq. m   [6000 sq.ft.] of amenity space (equivalent to 186 dwelling units); and 1.0s, m   [10.76 sq.ft.] per dwelling unit for that portion greater than 557 sq.m   [6000 sq.ft.] of amenity space	1		2 1	3	6.				-6		4	1		9.		27	_
Amenity   NDOOR: 3.0s, m   [32:sq.ft.] per dwelling unit up to 557 sq. m   [6000 sq.ft.] of amenity space (equivalent to 186 dwelling units); and 1.0s, m   [10.76 sq.ft.] per dwelling unit for that portion greater than 557 sq.m   [6000 sq.ft.] of amenity space   Number of Units   Required Indoor Amenity per Unit   Total Required Indoor Amenity			2 3	4	4.				5		4	1		9		19	
Amenity    NDOOR: 3.0 s.q. m [32 sq.ft.] per dwelling unit up to \$57 sq. m [6000 sq.ft.] of amenity space (equivalent to 186 dwelling units); and 1.0 sq.m [30.76 sq.ft.] per dwelling unit for that portion greater than \$57 sq.m [6000 sq.ft.] of amenity space (UIDOOR: 3.0 sq.m [32 sq.ft.] per dwelling unit and shall not be located within the required setbacks:    Amenity (Indoor)					2		- 0		3		D	0.				9	
Amenity    ND0008: 3.0 sq. m   [32 sq.ft.] per dwelling unit up to 557 sq. m   [6000 sq.ft.] of amenity space (equivalent to 186 dwelling units); and 1.0 sq.m   [10.76 sq.ft.] per dwelling unit for that portion greater than 557 sq.m   [6000 sq.ft.] of amenity space    Number of Units   Required Indoor Amenity per Unit   Total Required Indoor Amenity					1.		1		3		0	0		0		.9-	
Amenity    No Doors: 3.0 sq. m [32 sq.ft] per dwelling unit up to 557 sq. m [6000 sq.ft.] of amenity space (equivalent to 186 dwelling units); and 1.0 sq. m [10.76 sq.ft.] per dwelling unit for that portion greater than 557 sq.m [6000 sq.ft] of amenity space (UIDOOR: 3.0 sq. m [32 sq.ft.] per dwelling unit and shall not be located within the required setbacks;    Amenity (Indoor)									4		0	0	- 1	- 1		10	
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Amenity (Indoor)   Amenity (In	DOR: 3.0 sq. m [32 sq.	ft.] per dwelling unit up to 557	sq. m [6000 sq.ft.] of amenity space (equiv	valent to 186 dwelling units); and 1.0 s	q.m [10.76 sq.ft.] per dwellin	ng unit for that portion g	greater than 557 sq.m (600	0 sq.ft] of amenity spa	ice								
Number of Units   Required Indoor Amenity per Unit   Total Required Indoor Amenity   Total Required Indoor Amenity   Total Required   Total Required   Total Required   Outdoor Amenity   Outd																	
Number of Units   Required Indoor Amenity   Total Required Indoor Amenity   Total Required Indoor Amenity   Total Required Indoor Amenity   Total Required Outdoor	enity (Indoor)	-								Amenity (Outdoor)					Outd	oor Amenity	
Comparison   Com		Number of Units	Required Indoor Amenity per Uni			Provide d Indoo	r Amenity	1	Total Provided Indoor	Required		Total Provided		Tower			wer 2
(Phase 2)         443         3.0 sq m         814.4 sq m         230.1 sq m         72.1 sq m         0.0 sq m         506.8 sq m         89.9 sq m         3.0 sq m         137.0 sq m         1824.1           (.2 sq ft)         (.8,768 sq ft)         (.2,475 sq ft)         (.76 sq ft)         (.5,455 sq ft)         (.8,708 sq ft)         (.32 sq ft)         (.14,176 sq ft)         (.9,834)           Level 7         Level 8         Level 24         Level 34				Amenity	Level 1			Level 39	Amenity	Outdoor Amenity		Outdoor Amenity		L1	(9,001 sq ft)	LI	
Level 1 Level 8 Level 34	(Phase 2)	443			230.1 sq m	72.1 sq m	0.0 sq m	506.8 sq m			1317.0 sq m	1824.1 sq m		L2-4	(1,123 sq ft)	L2-4	4
Level 1 Level 2 Level 34			(32 sq	f) (8,766 sq ft)			(0 sq ft)		(8,708 sq ft)	(32 sq ft)	(14,176 sq ft	(19,634 sq ft)		L5-7	(1,228 sq ft)	L5	5
(Phase 1) 3.0 cm   750.4 cm   750.4 cm   70.1 cm   506.8 cm   20.0 cm   4402.7 cm   4000.0					Level 1	Level 7	Level 8	Level 34						L8-10	(3,733 sq ft)	L7	4
(1 mase 1) 379 3.054 m	(Phase 1)	379			274.7 sq m	72.1 sq m	0.0 sq m	506.8 sq m	853.6 sq m	3.0 sq m	1126.7 sq m	1962.9 sq m		L11	(4,549 sq ft)		
(17,128 d) (18,07.5 d)			(32 sq		(2,957 sq ft)	(776 sq ft)	(0 sq ft)	(5,455 sq ft)				(21,129 sq ft)		TOTAL	(19,634 sq ft)	TOTAL	L
TOTAL 822 1564.8 sq m 2443.7 sq m 3787.0 (16,844 sq ft) (17,896 sq ft) (26,304 sq ft) (40,763				1564 8 sq m					1662.6 sq m	1	2443.7 sq n	3787.0 sq m					4

PROJECT DATA

10054-88 WHALLEY BLVD. & 10055-89 137A ST. SURREY, BC MIXED-USE DEVELOPMENT

NTS A003





NOTE: Service Areas are not included in parking space calculations Commercials Category 1 < 372 square metres [4,000 sq.ft.] gross floor area - 2.75 parking spaces for every 100 square metres [1,075 sq.ft.] of gross floor area - 3 parking spaces for every 100 square metres [1,075 sq.ft.] of gross floor area - 3 parking spaces for every 100 square metres [1,075 sq.ft.] of gross floor area - 3 parking spaces for every 100 square metres [1,075 sq.ft.] of gross floor area - 3 parking spaces for every 100 sq.ft.] Commercial Areas: 10 parking space for every 100 square metres [1,075 sq.ft.] of gross floor area, which is greater than or equal to 150 square metres [1,615 sq.ft.] but less than 950 square metres [10,225 sq.ft.] 2.4 stalls/1008m (includes 20% reduction to base rate for City Centre) Residential: Non-Ground-Oriented Multi ple Unit Residential Buildings (Apartments): 0.5 parking spaces per dwelling unit; plus 0.1 parking space per dwelling unit; plus 0.1 parking space per dwelling unit; plus 0.1 parking space per dwelling unit for visitors \*\* Where the number of required parking spaces is greater than 12, a minimum of 2% of the required parking spaces, must be accessible parking spaces. Where accessible parking spaces are required, 50% of accessible parking spaces must be provided as van-accessible parking spaces. "\* Visitor Shared: 2/3 of Parking spaces shared with office parking due to alternate hours of use. \*\* TDM/Reduction: Maximum 20% is allowed in city center INTERIM (PHASE 1) Available Parking stalls on each phase Ratio Required / Allowable Total Provided Provided within Total TOTAL Required after TDM Reduction\* Gross HIC Small Gross HC Small 77 81 158 Residential 190 0.90 stall / unit 341 119 296 296 6 96 13 194 0.1 stall / unit Total Parking Stalls 379 334 334 84 96 180 Available Bike stalls on each phase ULTIMATE (PHASE 182) TOTAL (Phase 2) Required / Allowable Provided within Total Ratio Total Provided 304 Required after 150 154 TDM Reduction 154 325 Gross HC 171 Retail 2.4 stalls / 100 m2 18 0.4 15 171 154 325 Commercial Subtotal 18 15 15 Residential 0.90 stall / unit 399 140 321 321 TOTAL 1002 6 Visitor\* 0.1 stall / unit 34 16 44 44 On-Site Car Share Vehicles Residential Subtotal 373 443 155 373 3-stall reduction supported by shared parking assessment between residential visitor and retail land use. 2.4 stalls/100sm (includes 20% reduction to base rate for City Centre) Total Provided Provided within Total Ratio Required / Allowable Required after Gross HIC TDM Reduction Grass Small 0.90 stall / unit 341 119 296 296 Visitor\* 0.1 stall / unit. 13 38 13 Total 722 In accordance with the transitional provisions set out in Schedule J, every owner of a new building or building containing a new use: (a) Must construct and install an energized electrical outlet for 100% of residential parking spaces, 50% of visitor parking spaces, and 20% of commercial parking spaces. (1.2 Stalls per unit, 6 visitor bicycle spaces) 0.1 visitor bicycle spaces per 100 sq. m of G.F.A. where the G.F.A. is >= 4,645 sq. m Required Bike Storage Res. Vistor Recidential Setal Restaurant Total Remained Provied Bike Storage Retail Restaurant Res. Vistor Residential Total Provided





#### **DESIGN RATIONALE**

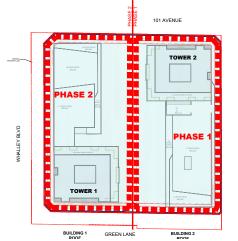
#### SITE DESCRIPTION

- The site is located between Walley Boulevard to the west, 101 Avenue to the north, a newly created green lane to the south and 137A Street to the east, with frontage on all four sides, covering an area of approximately 87,250 square feet. Several community facilities exist in the adjacent neighborhood, including Holland Park, Green Timbers Urban Forest Park, and Hawthorne Rotary Park. The site is within a few minutes' walking distance of large-format grocery stores, food outlets, and medical services at Central City Shopping Mall.
- Additionally, the site offers multiple public transit options along King George Boulevard, including the King George Skytrain Station, and a major bike route runs adjacent to the site on Whalley Boulevard.

#### SITE ORGANIZATION

- The project calls for an anticipated 2-phased mixed-use multifamily residential development with two towers and a component of commercial retail units principally along Whalley Blvd. Tower 1 (Phase 2) is at 38 storeys and is situated at the corner of Whalley boulevard and the future green lane with commercial retail space at ground level. Tower 2 (Phase 1) will be 33 storeys and is located at the corner of 101 Avenue and 137A street.
- The towers have also been positioned on site to maximize view corridors from each tower with offsetting positions and the podium forms all have landscaped roof treatments providing an elevated area of open space amenity for the residents of each tower.
- A significant courtyard stretches from North to South between the building forms and provides ground level connections between the two phases. This design offers opportunities for residents to have green open space within their own development. The plaza/open space will extend towards the proposed project to the North, creating a welcoming open area and enhancing the site's inviting atmosphere. This visual and physical connection further elevates the walkability aspect of this area of Surrey City Central. The North-South courtyard axis will be lined with amenities spaces, providing both visual appeal, and gathering spots for the residents.









NTS

VIEW THROUGH THE PODIUM PLAZA

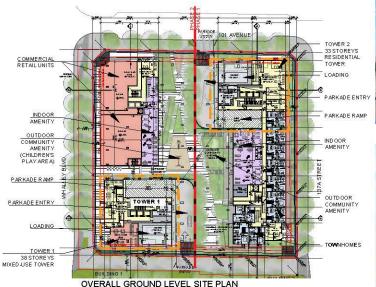
10054-88 WHALLEY BLVD. & 10055-89 137A ST. SURREY, BC MIXED-USE DEVELOPMENT





#### FLOOR PLAN ORGANIZATION & FEATURES

- The primary lobby access to the first residential tower is located at the corner of Whalley Blvd and the future green lane. Adjacent to the lobby on the southern side is a retail space reserved for CRU or a possible café.
- Ground-oriented indoor amenities are positioned back-to-back with the CRUs, facing the courtyard. This layout creates a seamless indoor/outdoor connection. The courtyard includes a kids' play area, seating area, and landscaped area.
- The main lobby for the second residential tower is situated at the corner of 101 Avenue and 137A Street. Adjacent to the lobby on the south side, there are seven two-story townhouses that face along 137A Street and extend to the secondary residential access located at the southeast corner. Additionally, there are four townhomes wrapping around the southwest corner of the building.
- This design animates the lane and treats it more like a street, providing 'eyes
  on the street.' Access to each townhouse at grade is available via the sidewalk
  through patios as well as through the primary and secondary lobbies, allowing
  residents to go directly from the below-grade parkade to their units without
  having to go outside.
- On the west side of building and facing the courtyard, there are ground oriented indoor amenities.
- Loading bays, garbage staging areas, and the ramp to access below-grade parking levels for Tower 1 is accessible from the Green Lane and for Tower 2 from 101 Avenue
- Terraced podium levels in both towers create opportunities for rooftop outdoor amenities and private patios, offering commanding views of the surrounding Surrey City Central neighborhood, as well as panoramic views of Downtown Vancouver, Mt. Baker, and the North Shore mountains.

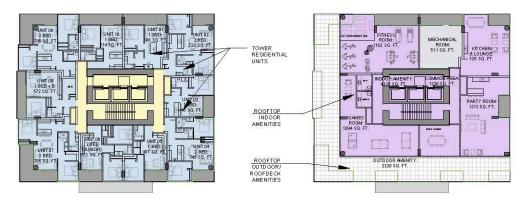




TOWER 1 RES. LOBBY AND CRU'S AT GRADE



TOWER 2 TOWNHOMES AND COURTYARD AT GRADE



TOWER TYPICAL FLOOR PLAN

TOWER AMENITY FLOOR PLAN







## TANGERIN

#### **BUILDING ORGANIZATION/MASSING**

- Tower 1 is connected to a 10-storey podium that gradually steps down every 3
  floors, and is thoughtfully sculpted, featuring articulated angled balconies
  facing north.
- Tower 2 is anchored by a 6-story podium with stepped articulation at the 5th floor.
- The angled podium steps opens up view corridors from the towers of each of the adjacent phases.
- The podium roof decks on the 11th floor of Tower 1 and 7th floor of Tower 2 will feature a green rooftop accessible to residential units. This outdoor amenity offers a spacious gathering area situated adjacent to the indoor social amenity space. Its southern orientation optimizes sunlight exposure throughout the day, creating an ideal setting for social gatherings and resident relaxation. We have varied the height between the two podiums to create more variety and a more dynamic look in the building forms as per our discussions with the Surrey Planning Department.



PODIUM OUTDOOR AMENITY SPACES





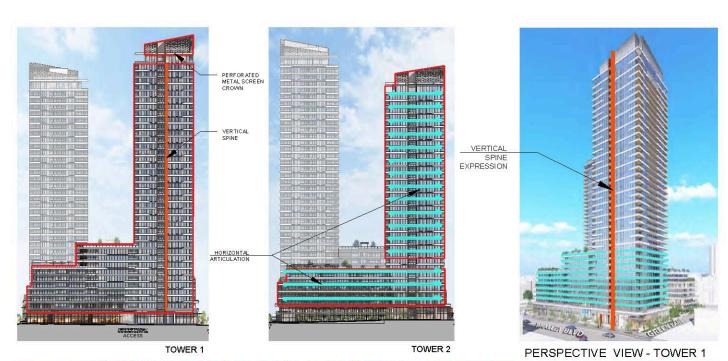
MASSING & BUILDING ORGANIZATION



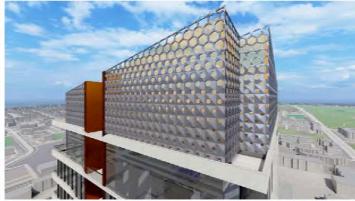


#### ARCHITECTURAL EXPRESSION/ FORM & CHARACTER

- The design of the buildings incorporates horizontal bands that seamlessly integrates with the window system and balcony guardrails, resulting in a simple and elegant expression. This design language includes clearly articulated podiums and tower forms, allowing the buildings to talk to each other while retaining their distinctive characteristics.
- The orderly arrangement of horizontal lines creates a visually pleasing effect that not only gives an elegant and dynamic visual impact, but also contributes significantly to the city's skyline.
- The podium levels feature angled facades that face North and South, and they are stepped to add visual interest to the form and reduce its visual mass, creating corridor views for the units and allowing more sunlight to reach the courtyard area.
- On the western façade of Tower 1 and the eastern façade of Tower 2, two structural elements extend vertically from the ground to the top of tower. These architectural "spines" contribute to the building's structural integrity and introduce a unifying and visually captivating element, featuring prefinished metal panel in terracotta color that ties the entire structure together.
- To conceal mechanical equipment on the tower tops and service areas on the ground floor of each tower, perforated metal panels have been introduced, which gradually taper toward the corners, echoing the tapered roof decks on the podium levels.

















PINNACLE ONE YONGE by HARIRI PONTARINI ARCHITECTS



SCARBOROUGH TWIN TOWERS by HILLAM ARCHITECTS



TARGARINA

TOWER 1 LEVEL 11 FLOOR INDOOR/OUTDOOR AMENITIES







TOWER 2 LEVEL 7 FLOOR INDOOR/OUTDOOR AMENITIES







PRECEDENT IMAGES - AMENITIES
SUBMISSION TO COUNCIL JANUARY 29, 2024



TANGERIN

TOWER 1 LEVEL 39 FLOOR INDOOR AMENITIES







TOWER 2 LEVEL 34 FLOOR INDOOR AMENITIES







PRECEDENT IMAGES - AMENITIES
SUBMISSION TO COUNCIL JANUARY 29, 2024





#### TOWER 1 & 2 LEVEL 1 FLOOR INDOOR/OUTDOOR AMENITIES























The Tangerine Project is 400 meters walking distance to the King George Skytrain Station. Additionally it is well serviced by major bus lines which run along King George Blvd.

PUBLIC TRANSIT



A major bike route runs adjacent to the site on Whalley Boulevard. Additionally, provisions for dedicated bike parking will be located throughout the project.

TRANSPORTATION



The project is within walking distance of community facilities including green spaces, grocery stores, food outlets and medical services. Enhanced sidewalk widths and landscaping along Whalley Boulevard and the Plaza will encourage pedestrian activity for residents.



The buildings in the Tangerine 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.

ENERGY MANAGEMENT



The Tangerine 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 lifestyle which brings diversity, energy and renewed vitality to this neighborhood.

URBAN DESIGN PRINCIPLES



BUILDING MATERIALS

Construction of the Tangerine Residence Development 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 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.



ROOF DESIGN

Traditionally, rooftops have been wasted areas of the urban landscape. By contrast, the multiple terraced roof areas of the Tangerine Residence Development are designed to incorporate living spaces, 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.



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 STORMWATER capacity of the landscaped open space, roof decks and permeable surfaces.

MANAGEMENT

SUSTAINABILITY STRATEGIES SUBMISSION TO COUNCIL JANUARY 29, 2024

10054-88 WHALLEY BLVD. & 10055-89 137A ST. SURREY, BC MIXED-USE DEVELOPMENT

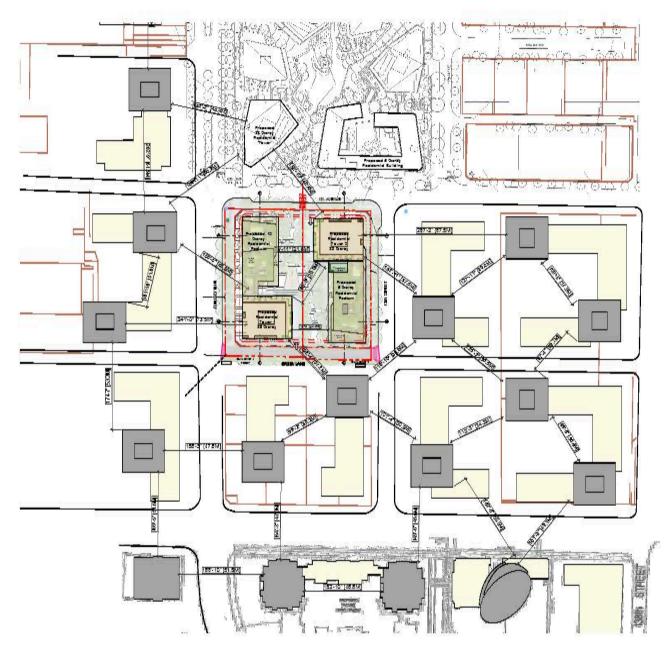








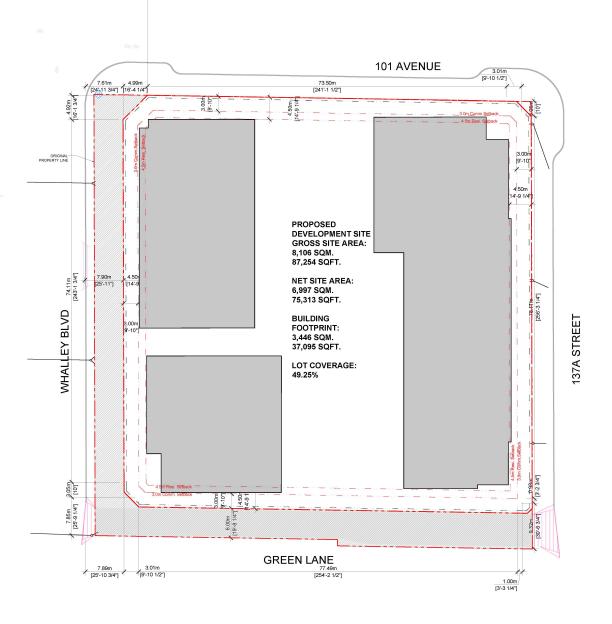


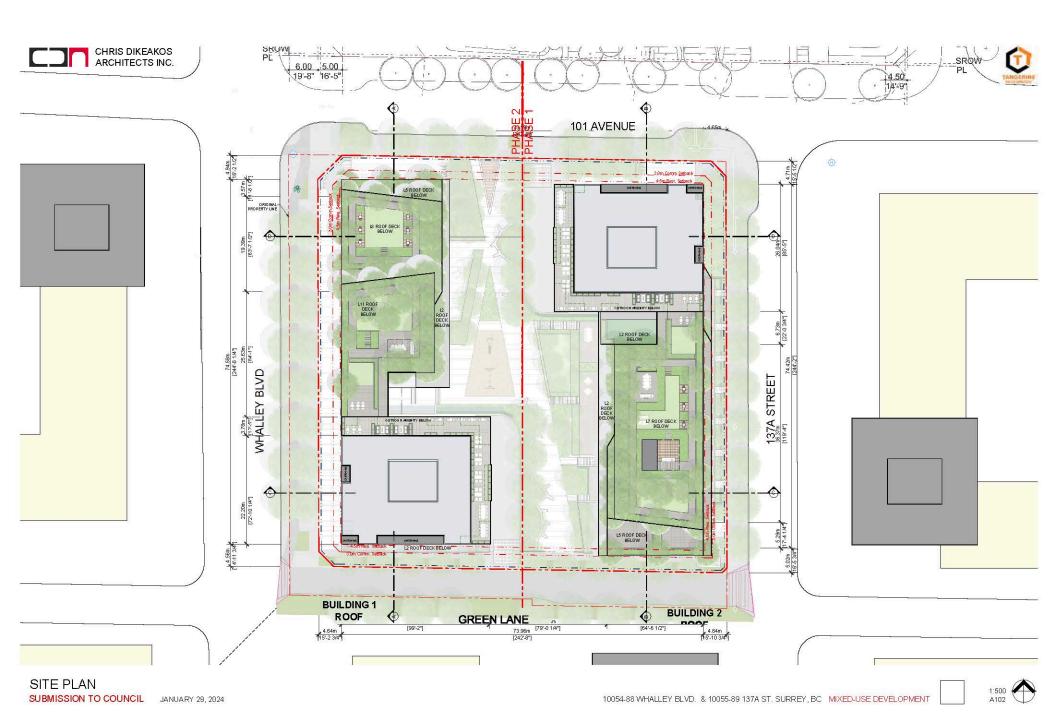


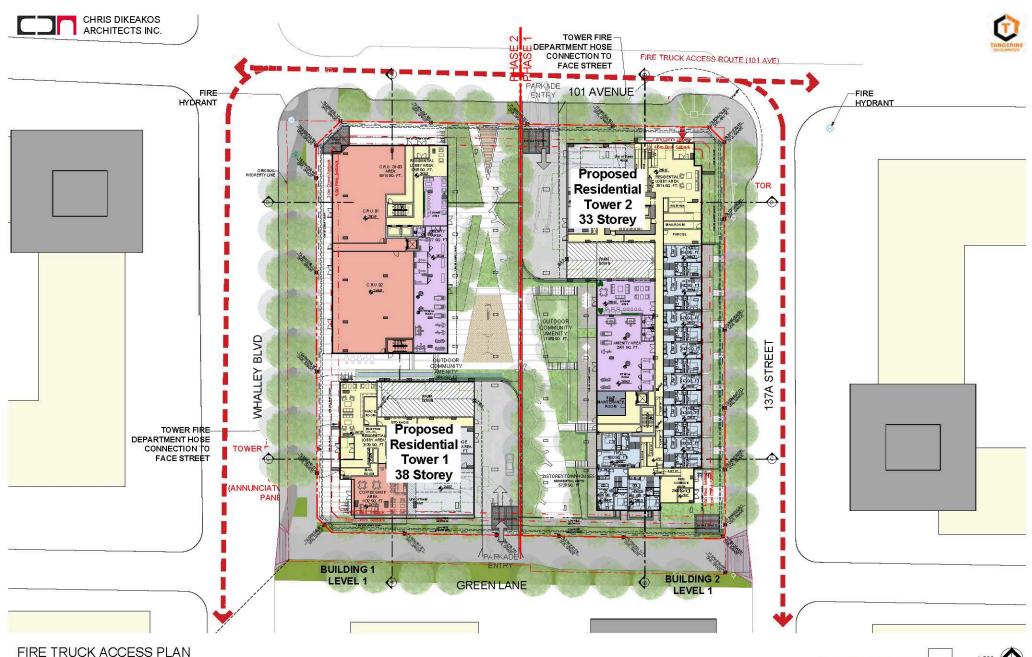




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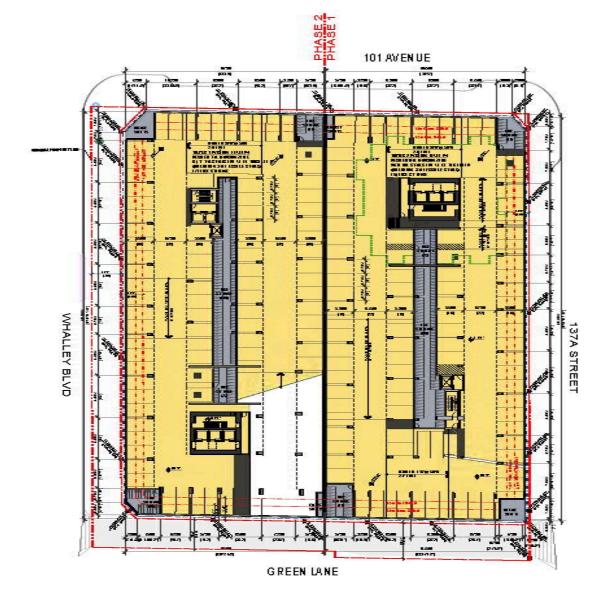






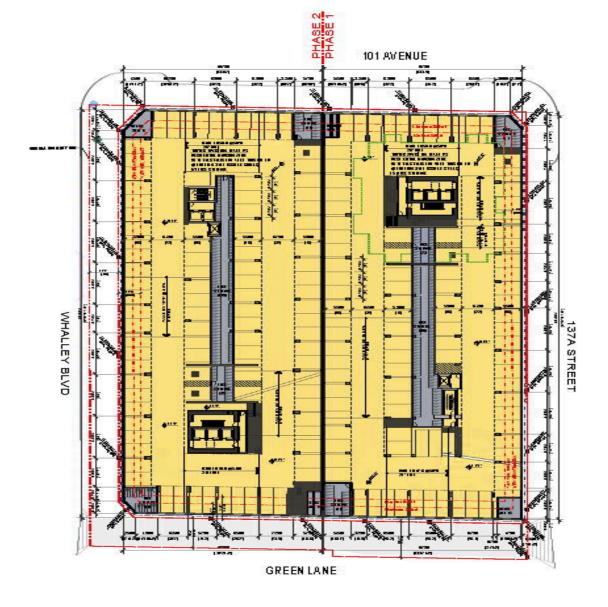




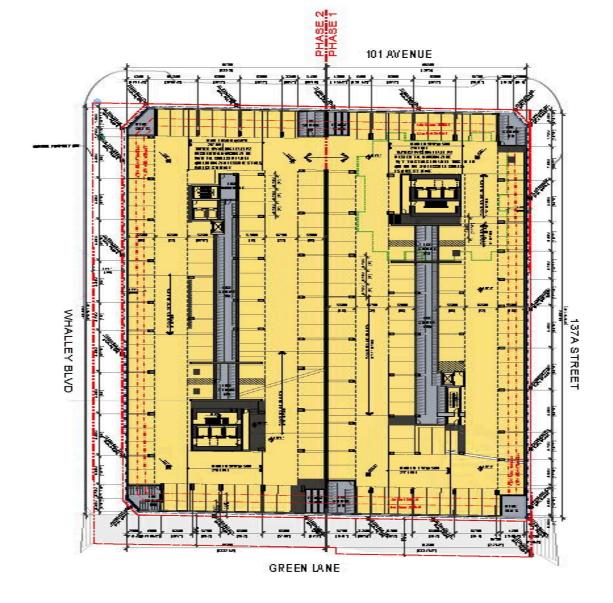




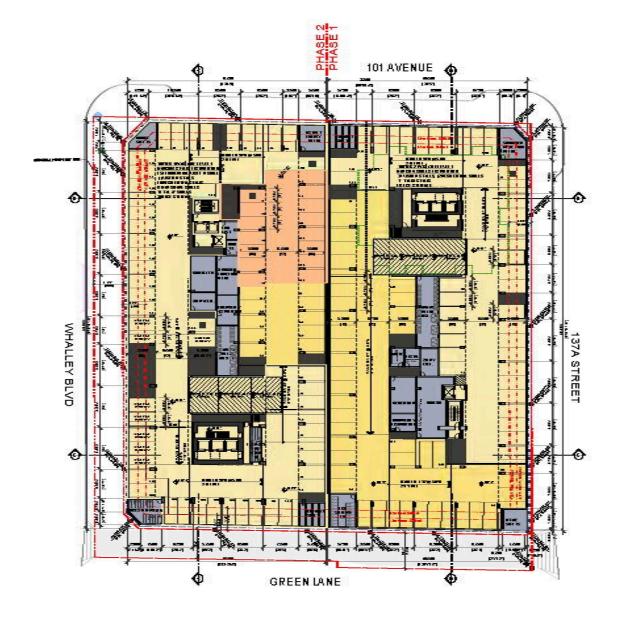














PHASE 2

LEVEL 1

GREEN LANE



PHASE 1

LEVEL 1



GREEN LANE

LEVEL 1-MEZZ

PHASE 1

LEVEL 1-MEZZ







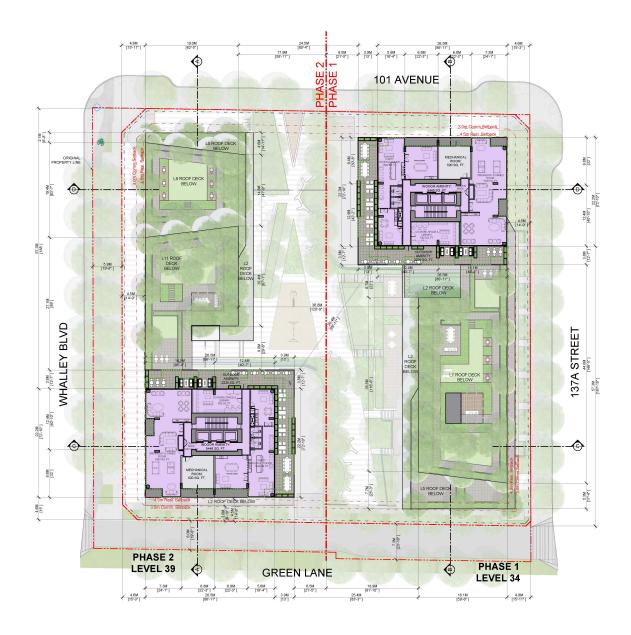






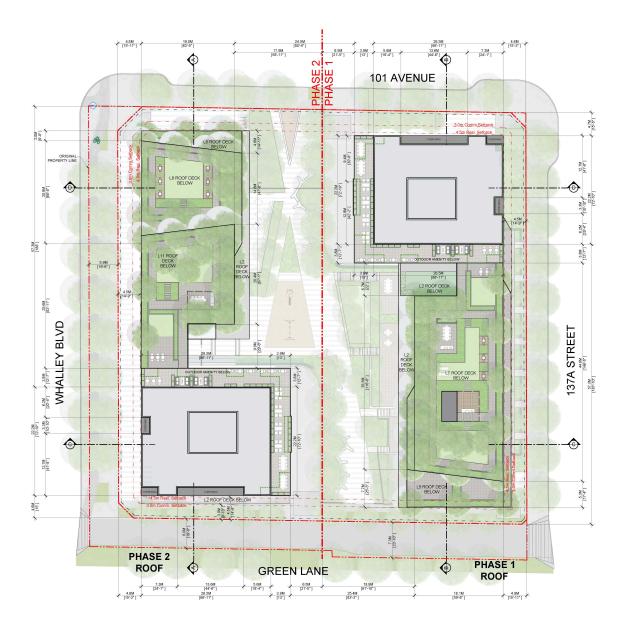




































MATERIAL LEGEND

ALUMINUM WINDOW WALL FRAME.

ALLMINUM CURTAIN WALL FRAME:

RESIDENTIAL GLASS - Tinted Sealed Unit

COMMERCIAL GLASS - Tinted Sealed Unit:

SPANDRE CLAS:

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SPANDRE CONTROL COME (ar)

ARCHITECTURAL FINISH PAINT:

NOTE CONTROL COME (AR)

SPANDRE CONTROL COME (AR)

ALMINUM PANEL

10 ALMINUM PANEL

10 ALMINUM PANEL

11 CANOPY SUPPORTS:

COMOR OF SUP

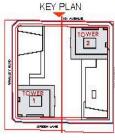
ALUMINUM SUNSHADE:

SOUTH ELEVATION









MATERIAL LEGEND

1 SUBMINIUM WINDOW WALL FRAME.
1 OLD WINDOW WALL FRAME.
2 ALUMNUM CORTAN Magnet "the Navidad City"

2 ALUMNUM CORTAN WALL FRAME:
3 RESIDENTIAL OLASS - The described Unit:
3 ARSIDENTIAL OLASS - The described Unit:
4 COMMERCIAL OLASS - The described Unit:
4 COMMERCIAL CLASS - The described Unit:
5 SPANDREL OLASS - The described Unit:
6 PREFORATED METAL:
4 AROUNT COMMERCIAL CLASS - THE DESCRIBED

7 AROUNT COMMERCIAL CLASS - THE DESCRIBED

8 PREFORATED METAL:
4 AROUNT COMMERCIAL CLASS - THE DESCRIBED

9 ALUMNUM PAREL:
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NORTH ELEVATION









MATERIAL LEGEND

ALUMINUM WINDOW WALL FRAME, QUARDRAIL: Power Cours to 65H6 2666 (France Tor House) & for

ALUMINUM CURTAIN WALL FRAME:

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WEST ELEVATION







KEY PLAN

ITOWER

GERMANE

MATERIAL LEGEND

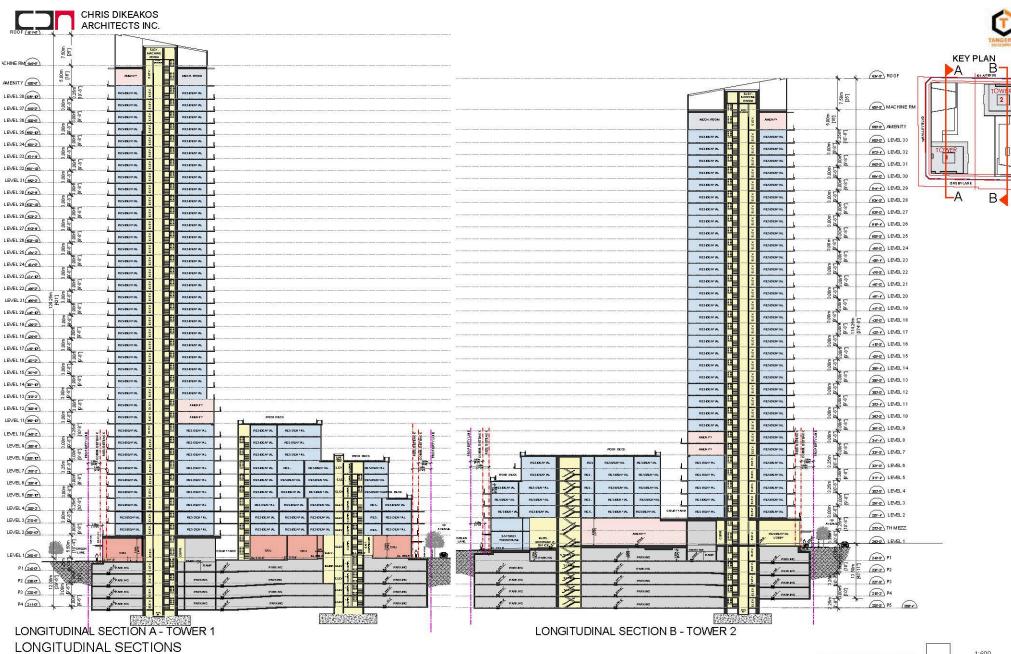
ALUMINUM METAL FRAME.

OLARO PANU.

ALUMINUM CURTOM MALL FRAME:
PROMOCESS AND MALL FRAME





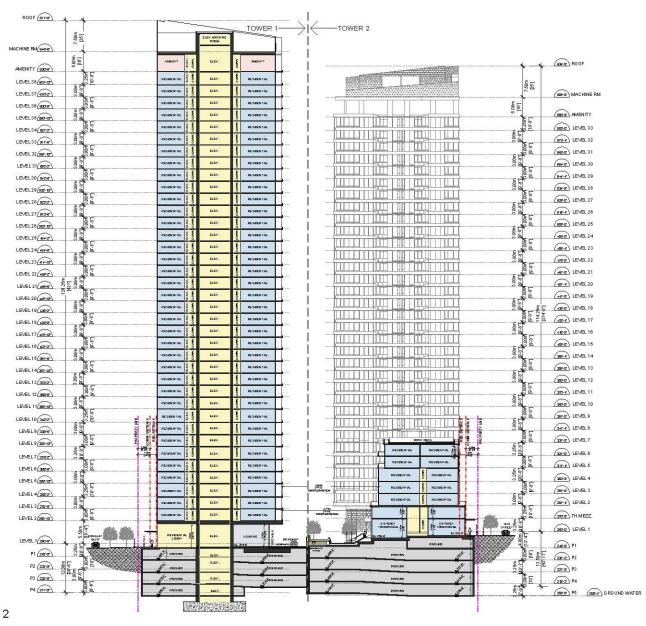






**KEY PLAN** 





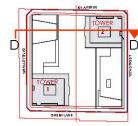
LATERAL SECTION C - TOWER 1 & 2

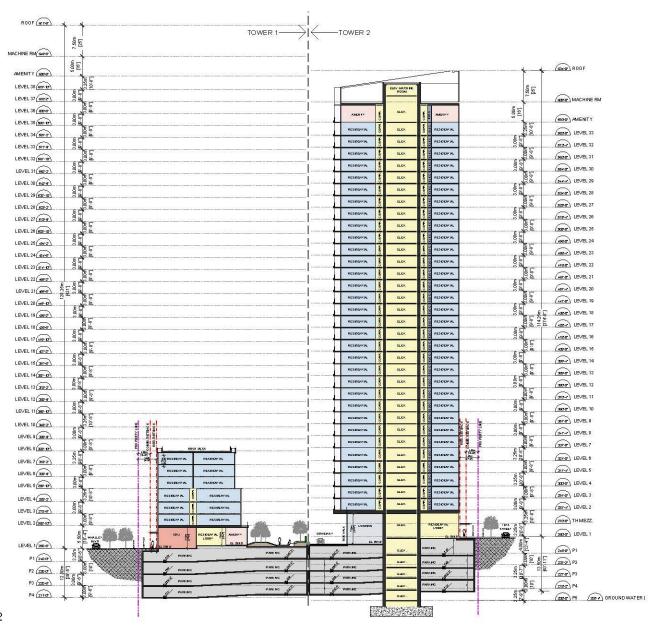
LATERAL SECTION - C











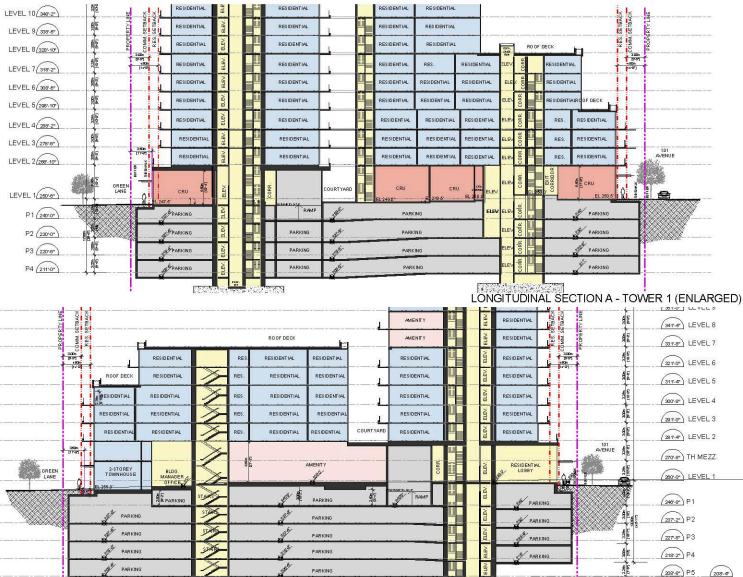
LATERAL SECTION D - TOWER 1 & 2 LATERAL SECTION - D





B

-A



LONGITUDINAL SECTIONS

SUBMISSION TO COUNCIL JANUARY 29, 2024

10054-88 WHALLEY BLVD. & 10055-89 137A ST. SURREY, BC MIXED-USE DEVELOPMENT

LONGITUDINAL SECTION B - TOWER 2 (ENLARGED)

1:400 A403









CONTEXT VIEW FACING NORTHWEST & SURREY CITY CENTRE







CONTEXT VIEW FACING SOUTHWEST

3D VIEW







CONTEXT VIEW FACING SOUTHEAST







VIEW LOOKING SOUTH EAST FROM 101 AVE/WHALLEY BLVD

3D VIEW

SUBMISSION TO COUNCIL JANUARY 29, 2024

10054-88 WHALLEY BLVD. & 10055-89 137A ST. SURREY, BC MIXED-USE DEVELOPMENT









VIEW LOOKING SOUTH EAST FROM 101 AVE/WHALLEY BLVD

3D VIEW

SUBMISSION TO COUNCIL JANUARY 29, 2024

10054-88 WHALLEY BLVD. & 10055-89 137A ST. SURREY, BC MIXED-USE DEVELOPMENT









VIEW LOOKING NORTH WEST FROM GREEN LANE







VIEW LOOKING NORTH WEST FROM GREEN LANE & 137A AVE







VIEW LOOKING NORTH WEST FROM GREEN LANE & 137A AVE







VIEW LOOKING NORTH WEST FROM GREEN LANE & 137A AVE

3D VIEW

SUBMISSION TO COUNCIL JANUARY 29, 2024

10054-88 WHALLEY BLVD. & 10055-89 137A ST. SURREY, BC MIXED-USE DEVELOPMENT











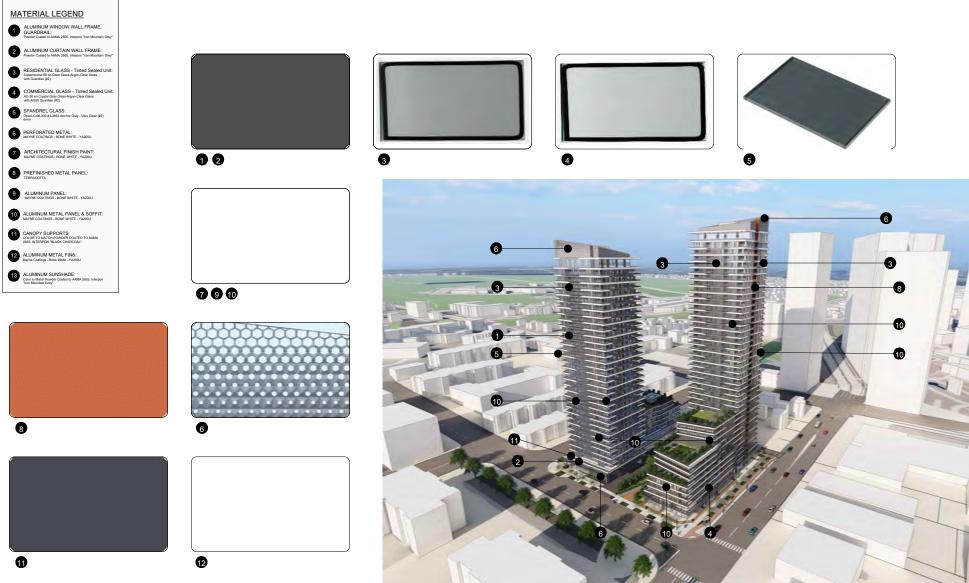












MATERIAL BOARD

NTS A600





SCALE

1:500 1:250 1:250 1:250 1:250 1:250 1:250 1:250 1:250 1:250



#### **DRAWING LIST**

HEET	DRAWING TITLE
100	COVER SHEET
.100.1	NOTES
_101	
	LANDSCAPE PLAN - GROUND (EAST)
	PLANTING PLAN - GROUND (EAST)
	LANDSCAPE PLAN - GROUND (WEST)
	PLANTING PLAN - GROUND (WEST)
	LANDSCAPE PLAN - ROOF LEVELS
	LANDSCAPE PLAN - ROOF (EAST)
	PLANTING PLAN - ROOF (EAST)
	LANDSCAPE PLAN - ROOF (WEST)
.102.4	PLANTING PLAN - ROOF (WEST)
_103	LANDSCAPE PLAN - TOP ROOF
.201	LANDSCAPE SECTIONS - GROUND
202	LANDSCAPE SECTIONS - GROUND
205	LANDSCAPE SECTIONS - GROUND
.203	LANDSCAPE SECTIONS - ROOF (WEST)
204	LANDSCAPE SECTIONS - ROOF (EAST)
.301	DETAILS

### **LEGEND**

0	WOOD DECK SEATING	6	THE BREEZEWAY
2	THE GROVE	7	AMENITY PATIOS
3	THE MEWS	8	PAVILIONS
4	KIDS PLAY AREA	9	MOUNDED LAWN
ß	SLOPED LAWN	10	LAWN AND PODS

### **MATERIALS LEGEND**

UNIT PAVING - SPECIAL PATTER WALKWAYS - PUBLIC REALM
UNIT PAVERS PATHWAYS
HYDROPRESSED SLABS PATICS
CIP CONCRETE PATHWAYS
ASPHALT PARKING AREA
WOOD SEATING DECK GROUND LEVEL
RUBBER SURFACE GROUND LEVEL
WATER GROUND LEVEL
NEW PLANTING REFER TO PLANT LIST

HEDGES
REFER TO PLANT LIST

REFER TO PLANT LIST

### LANDSCAPE RATIONALE

The streetscape has been designed to City Centre standards with an enhanced public realm treatment around the building. This treatment includes a dedicated bike lane and a double row of trees that till cest deppted shade over the pawed areas and buffur pedestrians from Whalley Boulevard. On the commercial firstrages, the retail uses will be encouraged to spill out and animate the public realm. The residential frontages will include a green buffur, useable depth patio and a gated direct access to the adjacent walkways. Agree in level till be incorporated into the first design at the south edge, with a walkway proposed for the north side to take advantage of the winter sunlight and collect the direct entries to the ground level units.

A generous breazeway has been provided between the two phases that will connect to Whalley Boulevard and create a hub of semi-public activity. The intent is to have a semi-public amenity, but three control points give the space the ability to be fenced off to linit public access if required for CPTED. Given edges will frame the pedestian experience and separate the vehicular areas of the site. Activities from the building will be encouraged to spill out into the breazeway, where opportunities for people to come together will be sprinked throughout.

At the north end of the breezeway, a raised wood deck will create a gathering space and meeting point for the neighbourhood. A grove of these will provide a green entry experience for the lobby, which will lead into an amenity space opening up on to the breezeway. Central to the breezeway, a children's play area will serve buth phases of the project, with direct access from an amenity room in each phase. A storm water feature is being considered at the mids-point of the site to collect the runoff from the north half of the breezeway. This water will be used to water the plants under the building overhang and create a unique experience during storm events.

The driveway entires will be framed by a large green planting area with accent trees to punctuals the arrival experience and scale down the loading area wall. Alternating torsed modular paving will be used to define the public realm with a consistent rhythm around the building and throughout the breazeway. Where possible, the patios will be elevated to provide separation and eyes on the street, while hedging and planting will buffer the private spaces and punctuate the public realm.

As the building steps back, landscaping opportunities will be created top levels of each of the steps. Shub planting and tress will be use to accert the architectural expression and soften the edges of the terraces. The common aremity terraces have been designed for the excusive use of the two residents and their guests. A network of pathways will connect the larger spaces with a range of program fast can be found in smaller, more intimate spaces throughout. The program will include spill out spaces of the amenity rooms, co-working spaces, pods, outdoor living rooms, BRQ areas, outdoor dining, dog off leash areas and central lawn areas for featible use.

The design tries to maximize the ability for several people to use the courty-ard independently, with opportunities to come together as a community or host large family events. In addition to the hard surfaces, intensive green roof will provide valuable habitat and food sources for nesting birds. In addition to habitat, the soft landscape areas will provide storm water benefits, reducing peak flows by absorbing water from rainfall events. Trees and trellases will foat over the terraco, providing human scale spaces with dappled shade. Raised planters will be used on the upper levels to define spaces, b integrate pathway lighting into the design provide the required soil volumes for the trees.

A mix of native and adaptive, drought tolerant plant material is proposed for the landscape areas on the podium. Site safety will be addressed throughout the site by selecting vegetation at recommended levels to maintain site lines adjacent to public areas and circulation noutes. Evergreen shrubs, perennials and grasses, will comprise the majority of the plant palette, providing seasonal interest and a variety of habitat.



**COVER SHEET** 

Submission to Council January 29, 2024 10054-88 WHALLEY BLVD. 1055-89 137A ST. SURREY, BC MIXED USE DEVELOPMENT L100







### LANDSCAPE NOTES

- 1. All work shall meet or exceed the requirements as outlined in the current Edition of the Canadian Landscape Standard.
- Plant sizes and related container classes are specified according to the Canadian Landscape Standard current Edition. For container classes #3 and smaller, plant sizes shall be as shown in the plant list and the Sandard tor all other plants, both plant size and container class shall be as shown in the plant list. Specifically, when the plant list call for #5 class containers, these shall be as delired in the CNL4 (NMS) Standard.
- 3. Area of search for specified plant material shall include the Lower Mainland of British Columbia, Vancouver Island, Washington and Oregon States.
- All plant material used on this project shall be hardy in this climate. Plant types have been selected with this as a primary criteria. This Contractor shall guarantee that plant material supplied has equal provenance, i.e. it is developed from outlings or seeds collected in an area of similar climatic characteristics.
- 5. Substitutions in plant material will not be considered unless written proof is submitted thirty (30) days prior to scheduled installation stating a specified plant cannot be obtained within the specified area of search.
- 6. All trees to be staked in accordance with CNLA Standards.
- 7. For all existing on site services and survey symbols refer to survey drawings.
- 8. All landscaping and treatment of the open portions of the site shall be completed in accordance with the approved drawings within six (8) months of the date of issuance of any required occupancy permit, or any use or occupancy of the proposed development not requiring an occupancy permit, and thereafter permanently maintained in good conditions.

### **IRRIGATION NOTES**

- 1. All on-site 'Soft Landscape Areas' are to be irrigated with high-efficiency automatic irrigation systems, including rain sensors, to IIABC Standards.
- 2. Irrigation stub-outs and hose bib locations will be provided to mechanical and electrical consultants for coordination.
- 3. Irrigation system is a deign-build. Landscape contractor to provide irrigation design/layout for review by Landscape Consultant for approval.
- 4. No visible irrigation lines will be accepted.
- 5. All irrigation boxes to be equipped with quick couplers.
- 6. Irrigation controller to be located in mechanical room.

### PLANT LIST

1170

Pachysandra terminalis

TREES				
SYMBOL.	QTY	BOTANICAL NAME	COMMON NAME	SIZE / SPACING
ر . ا	42	'Acer rubrum 'Armstrong	Armstrong Maple	
9	45	Acer palmatum 'Sangokaku'	Coral Bark Japanese Maple	
٠	10	Cercis canadensis	Eastern Redbud	
8	2	Gleditsia triacanthos	Thornless Honeylocust	5cm cal.
)	7	Magnolia x 'Butterflies'	Butterflies Magnolia	
SHRUBS				
SYMBOL.	QTY	BOTANICAL NAME	COMMON NAME	SIZE / SPACING
Ah -	432	Azalea 'Hino-Crimson'	Hino-Crimson Azalea	#2 pot / 24" O.C.
Es	740	Erica carnea	Spring Heath	#1 pot / 18" O.C.
€w	420	Erica carnea 'Springwood White'	Springwood White Heather	#1 pot / 16" O.C.
-lb	23	Hydrangea macrophylla 'Blushing Bride'	Endless Summer® Blushing Bride Hy	dr#3 Pot / 36" O.C.
.t	197	Lavandula angustifolia Thumbelina Leigh'	Thumbelina Leigh English Lavender	#1 pot / 18" O.C.
_g	168	Lavandula x intermedia 'Grosso'	Fat Bud French Lavender	#2 pot / 24" O.C.
_c	194	Lonicera caerulea	Haskap	#1 pot / 10" O.C.
_p	337	Lonicera Pileata	Privet honeysuckle	#2 pot / 42" O.C.
Sg	127	Senecio greyi	Daisy bush	#2 pot/ 30" O.C.
Т	520	Taxus x media 'Hillii' (Male Plants Only)	Hill's Yew	4' ht, B&B, 18" O.C.
GROUNDCOV	ÆRS, GRASSES	S, FERNS & VINES		
SYMBOL.	QIY	BOTANICAL NAME	COMMON NAME	SIZE / SPACING
<b>A</b> u	182	Arctostaphylos uva-ursi	Bearberry	#1 pot / 12" O.C.
CI	91	Calamagrostis x acutiflora 'Karl Foerster'	Foerster'S Feather Reed Grass	#2 pot / 10" O.C.

Japanese Spurge

#1 Pot / 12" O.C.



Submission to Council January 29, 2024 10054-88 WHALLEY BLVD. 1055-89 137A ST. SURREY, BC MIXED USE DEVELOPMENT L100.1













ACTIVE COMMERICAL SPACE



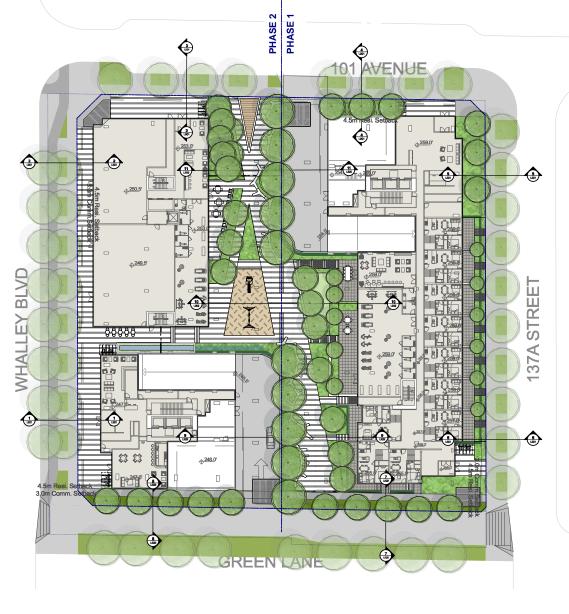
ACTIVE COMMERICAL SPACE



SLEEK FINISHES

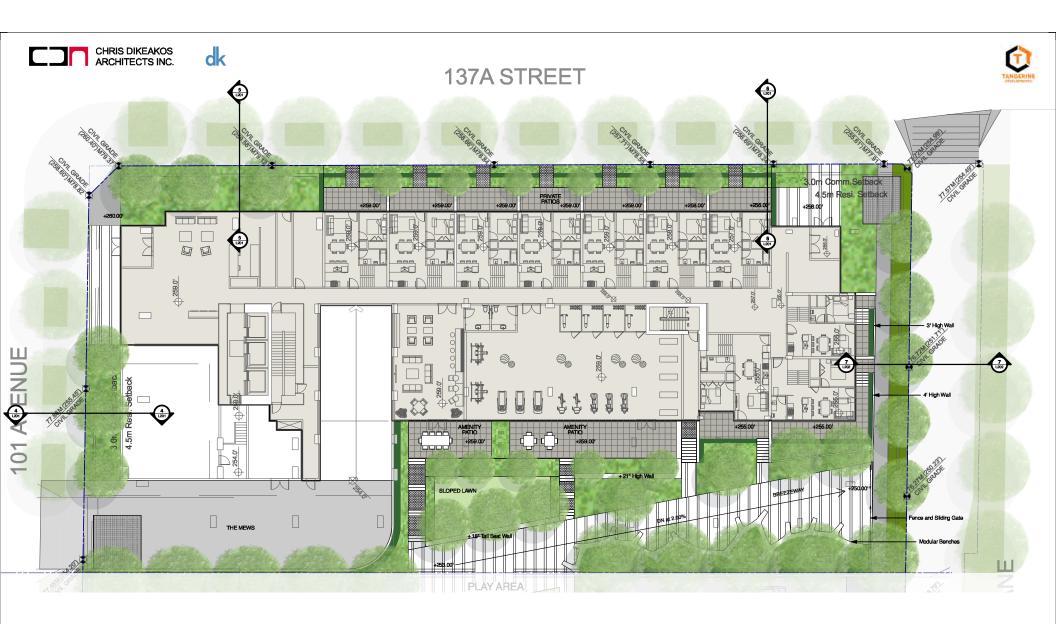


ENGAGING PUBLIC SPACE



LANDSCAPE PLAN - GROUND

1:500 L101



LANDSCAPE PLAN - GROUND (EAST)

Submission to Council January 29, 2024 10054-88 WHALLEY BLVI

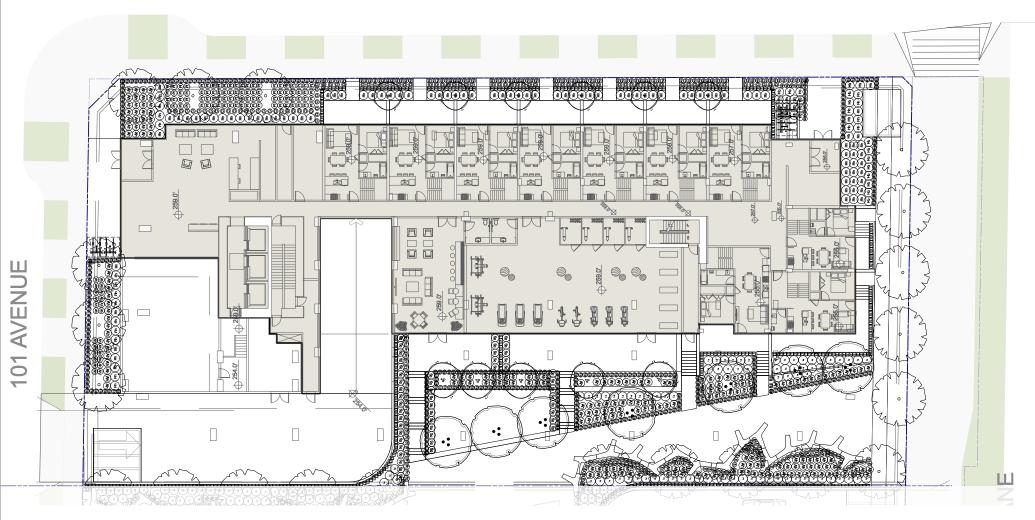








# 137A STREET



PLANTING PLAN - GROUND (EAST)

L101.2

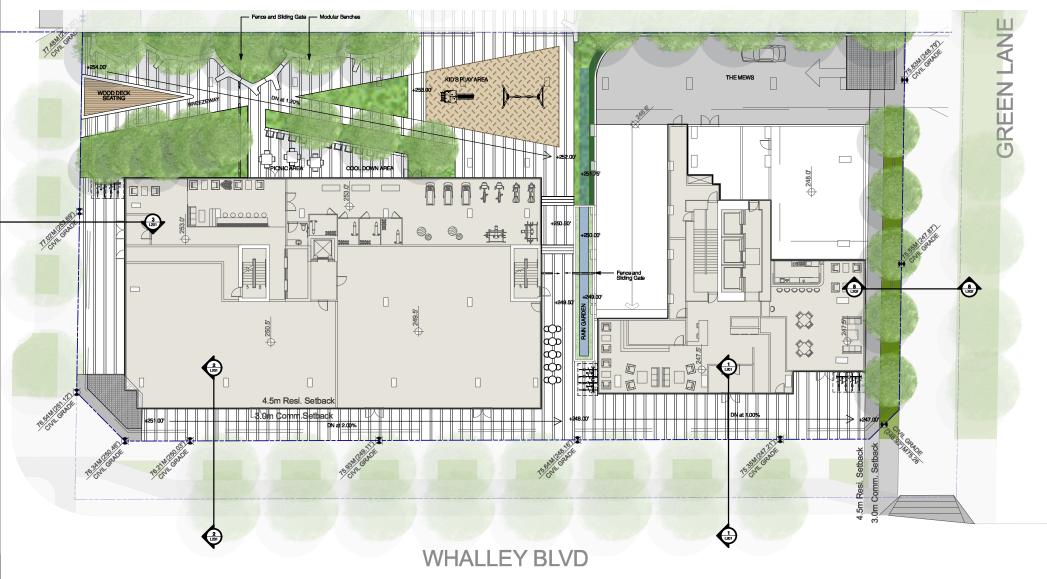
Submission to Council

January 29, 2024







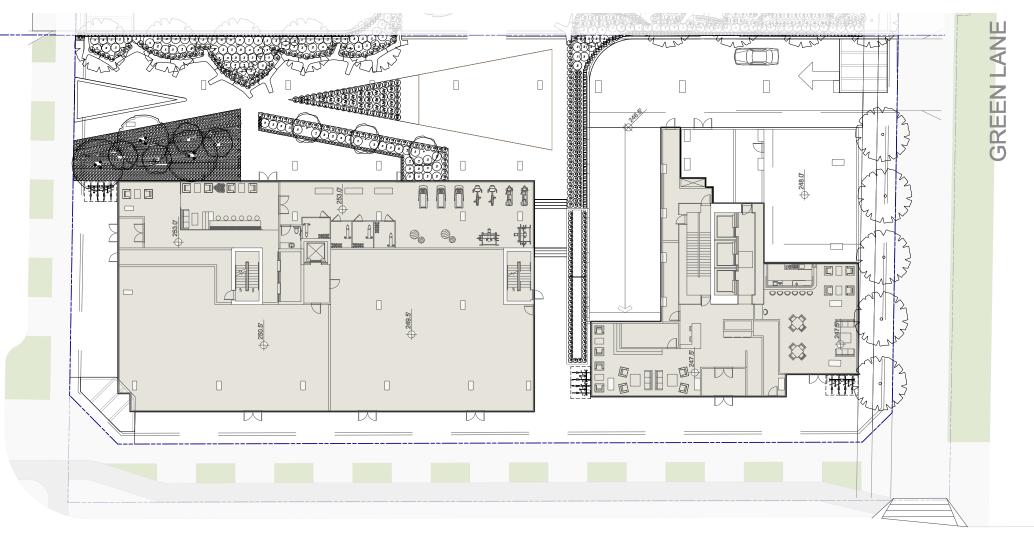


LANDSCAPE PLAN - GROUND (WEST)

January 29, 2024 Submission to Council







WHALLEY BLVD

PLANTING PLAN - GROUND (WEST)

Submission to Council

January 29, 2024

10054-88 WHALLEY BLVD. 1055-89 137A ST. SURREY, BC

MIXED USE DEVELOPMENT













OUTDOOR GYM AND DOG OFF LEASH



COMFORTABLE PATIOS



TRELLIS AND FURNITURE



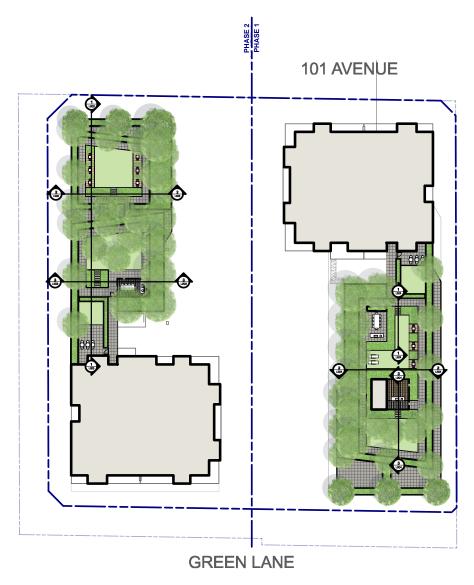
SEATING AREAS



TDELLIG



WHALLEY BLVD





Submission to Council

January 29, 2024

10054-88 WHALLEY BLVD. 1055-89 137A ST. SURREY, BC MIXED USE DEVELOPMENT





# 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: **7823-0297-00** 

**RE:** Engineering Requirements

Location: 10054/64/74/80/88 - Whalley Blvd. & 10055/57/65/73/82/89 - 137A St.

# **OCP AMENDMENT/CCP AMENDMENT**

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

The applicant is required to complete a downstream sanitary sewer capacity analysis due to the proposed Land use plan amendment and increased sanitary demand. The applicant will be required to resolve any downstream pipe capacity constraints.

# **REZONE/SUBDIVISION**

# Property and Right-of-Way Requirements

- Dedicate 5.942 m along Whalley Blvd;
- Dedicate 5 m x 5 m corner cut at 101 Ave. and Whalley Blvd;
- Dedicate 3 m x 3 m corner cut at green lane and 137A Street;
- Dedicate 3 m x 3 m corner cut at 101 Ave/137A St;
- Dedicate 1 m x 1 m corner cut at green lane/137A St;
- Dedicate varying widths between 6.0 m and 7.29 m at south property line for Green Lane;
- Register 0.5 m statutory right-of-way (SRW) along road frontages for maintenance.

# **Works and Services**

- Construct east side of Whalley Blvd;
- Construct west side of 137A Street;
- Construct south side of 101 Ave;
- Construct green lane;
- Construct adequately-sized service connections (drainage, water, and sanitary), complete with inspection chambers/water meter, to the lot.
- 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.

A Servicing Agreement is required prior to Rezone/Subdivision.

# **DEVELOPMENT PERMIT**

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

Jeff Pang, P.Eng.

Jeffy lang

**Development Services Manager** 

M51

NOTE: Detailed Land Development Engineering Review available on file



Department: Planning and Demographics

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

### **Development Impact Analysis on Schools For:**

Application #: 23 029

The proposed development of **822** 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 29

Projected Number of Students From This	Development In:	
Elementary School =	16	
Secondary School =	8	
Total Students =	24	

Lena Shaw Elementary		
Enrolment	664	
Operating Capacity	569	
# of Portables	5	
Guildford Park Secondary		
Guildford Park Secondary Enrolment	1390	
•	1390 1050	

### Summary of Impact and Commentary

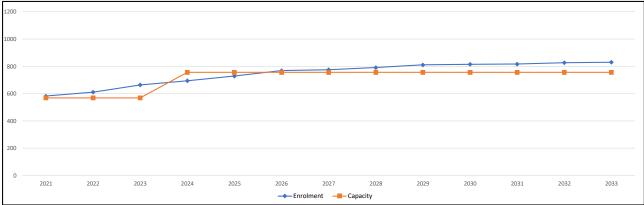
The following tables illustrate the historical, current and future enrolment projections including current/approved ministry operating capacity for the elementary and secondary schools serving the proposed development.

The NCP for the area calls for significant redevelopment located along King George Boulevard and 104th Avenue with the current building form changing into mid to high-rise residential development and mixed use. The timing of these future high-rise developments, with good market conditions could impact the enrolment growth upwards even more from the projections below.

Lena Shaw operates at or slightly above the school's capacity. Post 2023, the projected growth trend begins to get stronger finishing at end of the decade to around 830 students. In anticipation of further growth associated with the proposed transit oriented housing mentioned above, the Ministry approved in November 2023 the installation of 8 modulars to open in September 2024 tentatively.

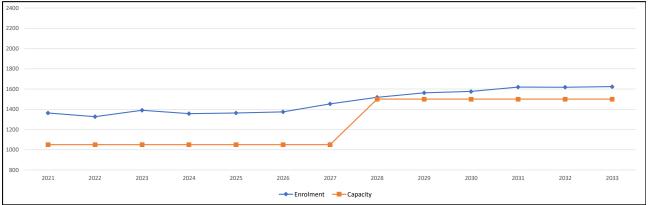
Guildford Park Secondary is currently operating at 132% and is projected to minimally grow. This school will be impacted by development along the Guildford 104th Ave Corridor when that NCP has been adopted. The impact of this plan will not be included in this projection until the plan has been approved. In May 2023, the District received capital funding approval from the Ministry to build a 450-capacity addition, targeted to open in the spring of 2028.

### Lena Shaw 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.

# **8.0 TREE PRESERVATION SUMMARY**

Surrey Project No: N/A

Address: 10054-88 Whalley Blvd & 10055-89 137A St, Surrey

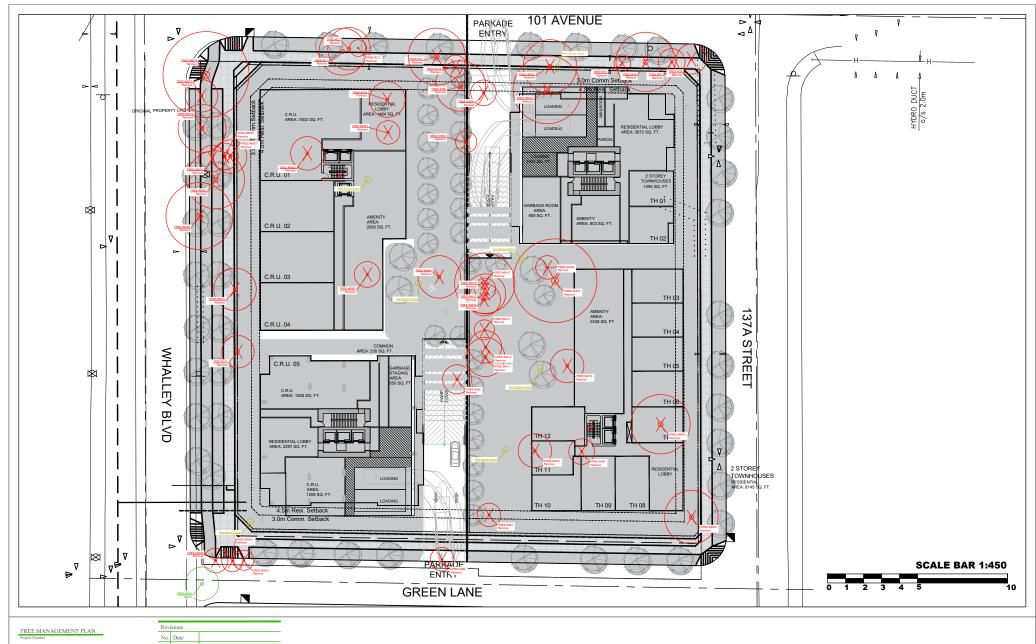
Registered Arborist: Francis Klimo

On-Site Trees	Number of Trees
Protected Trees Identified	54
(on-site and shared trees, including trees within boulevards and proposed streets and lanes,	
but excluding trees in proposed open space or riparian areas and non-bylaw protected trees)	
Protected Trees to be Removed	54
Protected Trees to be Retained	0
(Excluding trees within proposed open space or riparian areas)	
Total Replacement Trees Required:	
Alder & Cottonwood Trees Requiring 1 to 1 Replacement Ratio  4	100
Replacement Trees Proposed	105
Replacement Trees in Deficit	0
Protected Trees to be Retained in Proposed [Open Space / Riparian Areas]	N/A

Off-Site Trees	Number of Trees
Protected Off-Site Trees to be Removed	0
Total Replacement Trees Required:	
Alder & Cottonwood Trees Requiring 1 to 1 Replacement Ratio  0 X one (1) = 0	0
All other Trees Requiring 2 to 1 Replacement Ratio	
0 X two (2) = 0	0
Replacement Trees Proposed	0
Replacement Trees in Deficit	0

Summary, report and plan prepared and submitted by:

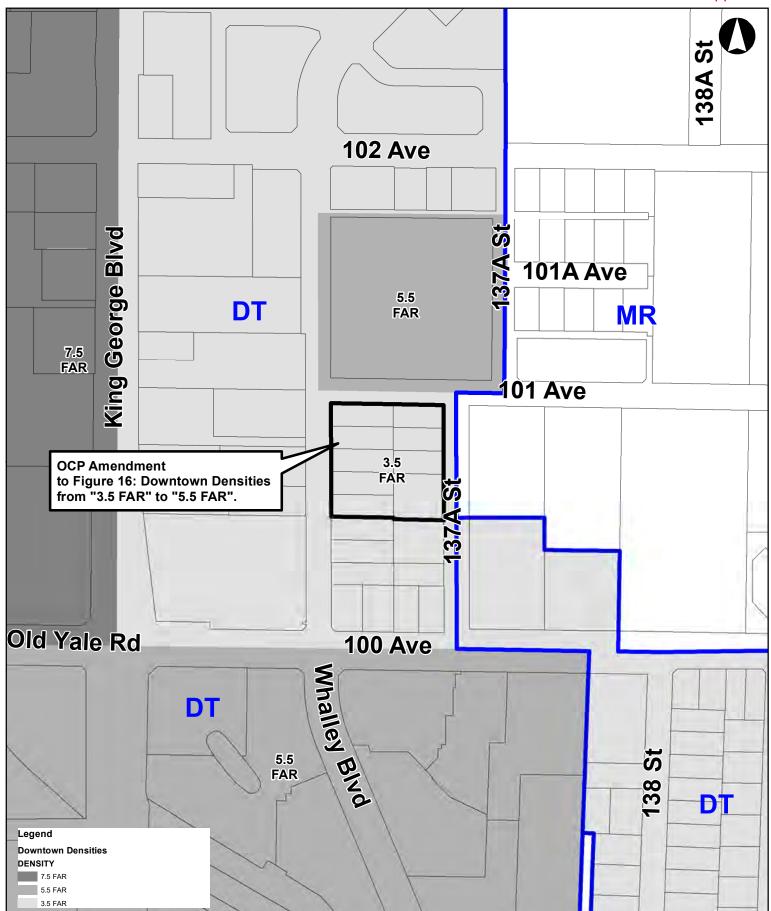
Francis Kelmo	January 23, 2023
(Signature of Arborist)	Date



TREE MANAGEMENT PLAN
Project Number

The Management of the Control of the Control

10054-88 WHALLEY BLVD & 10055-89 137A ST, SURREY Klimo & Associates





# **OCP Amendment 23-0297-00**

OCP Amendment to Figure 16: Downtown Densities from "3.5 FAR" to "5.5 FAR".





# Advisory Design Panel Minutes

Location: Virtual

THURSDAY, DECEMBER 14, 2023

Time: 4:00 p.m.

Present: Guests:

Panel Members: N. Couttie, Chair S. MacRae M. Mitchell J. Packer Richard Bernstein, Chris Dikeakos Architects Inc Mani Mahmoudian, Chris Dikeakos Architects Inc

Kanwar Dhamrait, Oviedo Group Tom Gill, Tangerine Developments

Mark van der Zalm, Van Der Zalm & Associates

R. Salcido Dylan Chernoff, Durante Kreuk Ltd.

**Staff Present:** 

A. McLean, City Architect

S. Maleknia, Senior Urban Design

Planner

A. Yahav, Clerk 3

# A. RECEIPT OF MINUTES

It was Moved by J. Packer

Seconded by R. Salcido

That the minutes of the Advisory Design Panel

meeting of November 23, 2023, be received.

**Carried** 

# B. **NEW SUBMISSION**

# 2. 5:45 p.m.

File No.: 7923-0297-00

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

Description: City Centre Plan and OCP amendments, Rezoning and

Development Permit to allow for 2 towers (37 & 39-storeys) with a total of 822 residential units, 747 sq.m of commercial

space and a gross FAR of 7.40.

Address: 10054-10088 Whalley Blvd. & 10055 to 100898 137A St.

Developer: Surrey Central Tower Holdings Inc.

Architect: Richard Bernstein, Chris Dikeakos Architects Inc.

Landscape Architect: Dylan Chernoff, Durante Kreuk Ltd.

Planner: Ingrid Matthews Urban Design Planner: Sam Maleknia

The Urban Design Planner gave an overview of the policy and area context, noting anticipated future context, and advised that staff generally support the project.

The Panel was asked to comment on the overall site planning, pedestrian and vehicular movement, architectural expression, overall landscape concept, and public realm interfaces.

The Project Architect presented an overview of the site planning, 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 S. MacRae

Seconded by R. Salcido

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 adding more three-bedroom, family-oriented units.
   The larger 2B-D units with the Den against the exterior wall have been converted to 3
   Bedroom units. Please refer to sheets A206 to A208
- Consider adding more emphasis to the building entries.
   A metal frame has been added to the exterior façade of the building entries to provide more emphasis. Please refer to A500 sheets set.
- Consider colour-fast materials. Review the longevity of the orange-coloured material, ensuring that it will not be impacted by sun conditions over time.
   A specific-coloured metal panel system material will be selected for durability and non-fading performance qualities.
- Consider further development of energy modelling.
   Noted. We are in communication with the mechanical engineering consultant and will provide this as soon as the energy modelling is completed.
- Consider relocating public art into the breezeway rather than the interior corner. Noted. This will be considered with communication with our public art consultant.
- Consider indoor and outdoor parking for E-bikes.
   Noted. The team will consider provisions for charging e-bikes at the short-term bike rack locations. Refer to sheets A200 to A203 and 'Landscape Plan Ground' on sheet L101.

# Site

No specific issues were identified.

# Form and Character

 Consider a detailed design strategy for the mews such that echo effects and noise reverberations from the public are limited.
 Canopies will be provided at various points along the building faces fronting the mews to deflect echo effects and noise reverberations to the higher storeys in the

- podiums and towers.
- Consider emphasizing the entries to lobbies through use of colour, trims, frames, and other materials.
  - Coloured metal frames have been added to the exterior façade of the building entries to provide more emphasis. Please refer to A500 sheets set.

# Landscape

- Ensure all trees have adequate soil volume and depth.
  - The initial design was coordinated with the architectural team to provide adequate soil volumes and depths. A couple locations included small trees to accommodate limited soil volumes and one location was planted as a stand of trees to share a collective volume of soil. A soil volume overlay will be provided as part of an upcoming submission and the architectural team is aware of the soil requirements. Refer to 'Planting Plan Ground' on sheets L101.2 and L101.4, and 'Planting Plan Roof' on sheets L102.2 and L102.4.
- Ensure diversity in tree and shrub species for optimum wildlife habitat and four-season interest.
  - The planting plans will be refined to include a greater diversity of tree and shrub species. Refer to the 'Plant List' on sheet L100.1.
- Consider providing conifer tree species.
  - Coniferous planting was considered in clusters during the early stages of the design. Coniferous hedges have been included throughout the development, but larger coniferous trees have been avoided to address CPTED concerns on the ground level and provide more useable landscapes on the upper levels of the building. Refer to 'Planting Plan Ground' on sheets L101.2 and L101.4, and 'Planting Plan Roof Levels' on sheets L102.2 and L102.4.
- Consider providing community gardens.
  - Community gardens were initially considered as part of the program for the outdoor amenities. After a work session with the client, their marketing consultant and the architectural team, the program we included was determined to best align with the desires of the anticipated residents. Refer to 'Landscape Plan Ground' on sheets L101.1 and L101.3, 'Landscape Plan Roof' sheets L102.1 and L102.3, and 'Landscape Plan Top Roof' on sheet L103.
- Consider reviewing amenity areas for weather protection.

  The architectural design includes weather protection for the roof decks, under the building overhangs and along the edges of some of the other outdoor amenity spaces. In addition to the building overhangs and canopies, the team is considering integrating some level of weather protection into the pavilion structures on the podium levels. Refer to 'Landscape Plan Ground' on sheet L101, and 'Landscape Plan Roof Levels' on sheet L102.
- Consider providing dog relief stations for residents with pets.
   Dog relief stations are very important to the team and will be provided on the podium of each building. Refer to 'Landscape Plan Roof' on sheets L102.1 and L102.3.
- Review private patios adjacent to amenity spaces and ensure there is a buffer.
   Private patios will be buffered, where adjacent to the amenity spaces by using raised planters and gates with hedges and layered shrub planting to provide privacy. Refer to 'Landscape Plan Ground (EAST)' on sheet L101.1, and 'Landscape Plan Roof Levels' on sheet L102.
- Consider providing more diverse programming, including play spaces, active

and passive zones, eating areas, and work or office zones.

Since the early stages of the project, we worked carefully with the client, their marketing consultant and the architectural teams to develop a diverse range of outdoor program. The proposed program includes passive and active play spaces, active and passive zones, eating areas and co-working spaces. We will continue to work with the project team to refine the broad range of program already being proposed and look for opportunities to expand the offering to best align with the future residents. Refer to 'Landscape Plan – Ground' on sheets L101.1 and L101.3, 'Landscape Plan – Roof' sheets L102.1 and L102.3, and 'Landscape Plan – Top Roof' on sheet L103.

•

# **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 energy modelling is completed.
- Consider using future climate files for thermal comfort modelling to test resiliency and ensure livability in the future.
   Noted. This will be considered 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 included 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 included in our upcoming design development and construction document stages.
- Consider indoor and outdoor parking for E-bikes.
   Noted. The team will consider provisions for charging e-bikes at the short-term bike rack locations. Refer to sheets A200 to A203 and 'Landscape Plan Ground' on sheet L101.
- Consider incorporating a bike maintenance area that can also serve as a casual space for interaction.
  - This has been provided as is shown on Plan A204.
- Consider how bicyclists interact with pedestrians and drivers both on the
  ground plane and within buildings to inform layout and design decisions.

  Designated bike elevators are provided in both Phases. The Phase 1 elevator will
  open up to a corridor exiting out to the center courtyard, while the Phase 2 elevator
  will be shared with the commercial uses and exiting onto the walkway on Whalley
  Blvd. Please refer to sheets A200 to A204.
- 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 both towers and their 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, larger corner
  units will have cross-ventilation in living rooms with exposures on two faces of the
  buildings. Please refer to A500 sheets set.
- Review the depth of balconies to reduce unwanted solar gain, particularly on the south elevations.

Noted. This will be considered in our upcoming design development stages.

# Accessibility

No specific issues were identified.

# C. OTHER BUSINESS

# 1. Roundtable

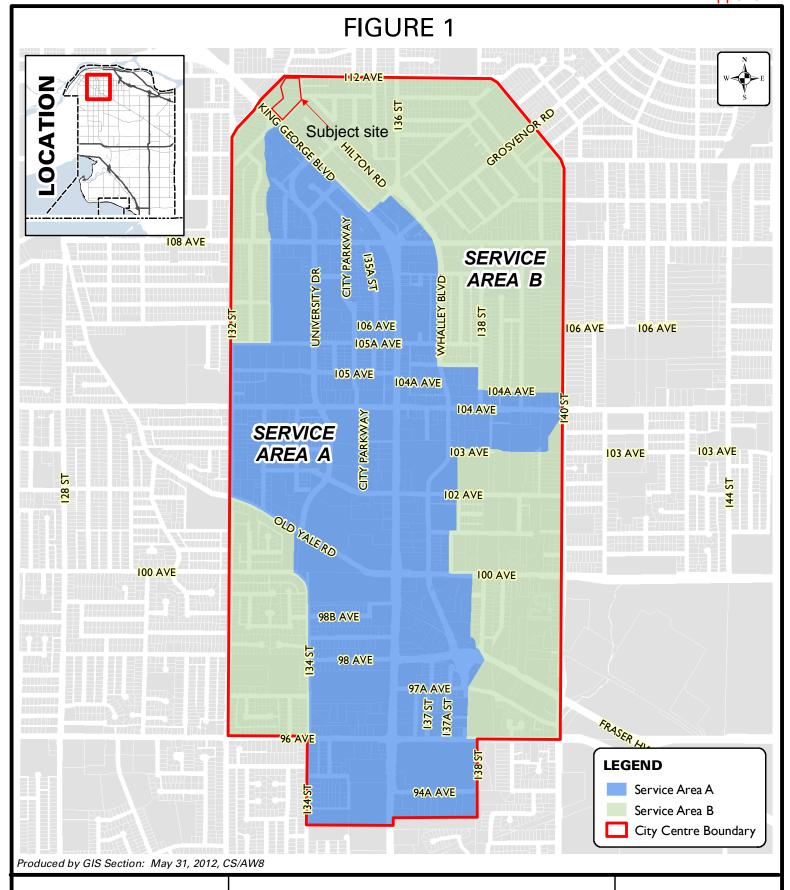
A roundtable of discussion was held.

# 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