## TO: City Clerk, Legislative Services Division

FROM: General Manager, Planning \& Development Department
DATE: December 18, 2023 FILE: 7923-0265-00

| RE: | Agenda Item B.11, December 18, 2023 Regular Council - (Land Use) |
| :--- | :--- |
|  | Development Application No. 7923-0265-oo |
|  | Replacement Pages for the Planning Report |

Development Application No. 7923-0265-oo is on the agenda for consideration by Council at the December 18, 2023 Regular Council - Land Use Meeting under Item B.11.

After finalizing the Planning Report for the December 18, 2023 Regular Council - Land Use Agenda, the following corrections were identified:

1. The OCP Amendment map did not include the portion of City-owned lane proposed to be acquired and consolidated as part of the development application. The OCP Amendment map has been updated to reflect the inclusion of the portion of lane.
2. The map on the first page of the Planning Report did not include the portion of City-owned lane proposed to be included and acquired as part of the development application. The first page has been updated to reflect the inclusion of the portion of lane.
3. An address was incorrectly labelled on the first page of the Planning Report as 10492 King George Boulevard and has been corrected to 10392 King George Boulevard.

Page 1 of the Planning Report and Appendix V (OCP Amendment Map) have been updated to reflect these changes.

The replacement pages are attached to this memorandum.


Ron Gill
Director, Area Planning North
Planning \& Development Department
Attachment - 7923-0265-00- Page 1 and Appendix V, Replacement Pages
c.c. - City Manager




## City of Surrey PLANNING \& DEVELOPMENT REPORT

Application No.: $\quad 7923-0265-00$

Planning Report Date: December 18, 2023

## PROPOSAL:

- OCP Amendment to Figure 16: Downtown Densities from 3.5 FAR to 7.5 FAR
- OCP Text Amendment to allow for a density of 9.7 FAR within the Downtown designation
- City Centre Plan amendment from Mid to High Rise Mixed-Use (3.5 FAR) to High Rise Mixed-Use Type II (7.5 FAR) and to eliminate the lane
- Rezoning from CHI and C-8 to CD and
- Development Permit
to allow for the phased development of four (4) buildings in City Centre, including 3 mixed-use towers with heights between 56 and 65 -storeys and 1 mid-rise hotel.

LOCATION:

## ZONING:

OCP DESIGNATION:
CITY CENTRE PLAN DESIGNATION:

10376 King George Boulevard, 13654-104 Avenue, 13634-104 Avenue, 10344/10348/10492 King George Boulevard, 13664-104 Avenue, and Portion of lane

CHI and C-8
Downtown
Mid to High Rise Mixed-Use (3.5 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

- Requires an amendment to the Official Community Plan (OCP) to amend Figure 16: Downtown Densities from "3.5 FAR" to "7.5 FAR" and to OCP, "Table 7A: Land Use Designation Exceptions', to allow for a FAR of 9.7 within the "Downtown Densities".
- Requires an amendment to the City Centre Plan to redesignate the subject site from "Mid to High Rise Mixed-Use 3.5 FAR" to "High Rise Mixed-Use Type II 7.5 FAR".


## RATIONALE OF RECOMMENDATION

- The subject site is located directly across King George Boulevard from lands designated Central Business District Area 2 (7.5 FAR) in the City Centre, with significant commercial and office requirements.
- Although the proposed density on the subject site is higher than that prescribed in the OCP and City Centre Plan, the proposed multiple mixed-use towers with significant commercial \& office podiums and stand-alone hotel 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 Surrey Central SkyTrain Station, Centre Block and Civic Centre.
- The proposed development is complementary to adjacent proposed tower developments in City Centre and will complement the Central Business District Area 2.
- The proposed development conforms to the goal of achieving high-rise, high-density development around the three SkyTrain Stations in City Centre. The Surrey Central Skytrain Station is located within walking distance of less than 250 metres (less than 5 minutes) from the subject site.
- The proposal seeks to provide a significant commercial and office component, with approximately 43,144 square metres of office and commercial floor space and 14,489 square metres of hotel floor space proposed. This equates to an overall 3.2 FAR of commercial, office and hotel floorspace. The remaining 6.5 FAR is proposed as residential.
- 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 a significant public plaza proposed along the south portion of the site. This plaza space has been designed to serve the site as well as the future Surrey City Centre community.
- The proposed building achieves an attractive architectural built form, which utilizes high quality materials, contemporary lines, and unique form.


## RECOMMENDATION

1. An OCP By-law be introduced to:
(a) amend the OCP Figure 16: Downtown Densities for the subject site from 3.5 FAR to 7.5 FAR (Appendix V); and
(b) amend the OCP, 'Table 7 A : Land Use Designation Exceptions', by adding the following site specific notation:

| "Bylaw <br> No. | Land Use Designation | Site Specific Property | Site Specific <br> Permission |
| :---: | :---: | :--- | :---: |
| Bylaw \# <br> xxxxx | Downtown | (a) 10376 King George Blvd | Density permitted up |
|  |  | (b) 13654 104 Avenue | to 9.7 FAR" |
|  |  | (c) 13634 104 Avenue |  |
|  |  | (d) 10344 King George Blvd |  |
|  |  | (e) 10348 King George Blvd |  |
|  |  | (f) 10392 King George Blvd |  |
|  |  | (g) 13664 104 Avenue |  |
|  |  | Portion of lane |  |

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.

3 A Bylaw be introduced to rezone from "Community Commercial Zone (C-8)" and "Highway Commercial Industrial Zone (CHI)" to "Comprehensive Development Zone (CD)" and a date be set for Public Hearing.
4. Council authorize staff to draft Detailed Development Permit No. 7923-0265-00 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 all plazas on 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) complete the closure, acquisition and consolidation of the existing City-owned lane allowance, proposed to form part of the development site;
(k) final submission and approval of the Transportation Impact Assessment, prepared by Bunt and Associates, transportation demand management plan (TDM) and cash-in-lieu to the satisfaction of staff;
(1) registration of a Section 219 Restrictive Covenant to provide notice on title of phasing requirements resulting from the shared access;
(m) registration of an access easement to secure for future shared access between the four (4) ultimate developments; and
(n) registration of a Section 219 Restrictive Covenant No-Build to secure for the plaza construction and landscaping in advance of Phase 2.
6. Council pass a resolution to amend the Surrey City Centre Plan to redesignate portions of the land from 'High Rise 3.5 FAR' to 'Mixed-Use 7.5 FAR' and to allow for an FAR of 9.7 within the 'Mixed-Use 7.5 FAR' designation and to eliminate the lane, when the project is considered for final adoption.

## SITE CONTEXT \& BACKGROUND

| Direction | Existing Use | City Centre Plan Designation | Existing Zone |
| :---: | :---: | :---: | :---: |
| Subject Site | Multiple singlestorey commercial retail units, including largescale drug store, eating establishments and multi-storey office building. | Mid to High Rise Mixed-Use (3.5 FAR) | CHI and C-8 |
| North (Across 104 Avenue): | A gas station and single-storey commercial buildings | Mid to High Rise Mixed-Use (3.5 FAR) | $\begin{aligned} & \text { CD (Bylaw No. } \\ & \text { 14662), C-8 } \end{aligned}$ |
| East (Across 136A Street): | Office building and development application (18o141) proposing a 36-storey mixeduse building, currently at Third Reading | Mid to High Rise <br> Mixed-Use (3.5 <br> FAR) and Mid to <br> High Rise <br> Residential (3.5 <br> FAR) | C-8 and C-35 |
| South: | Development application (22o103) proposing a multi-phase mixed-use tower development, currently at initial review. | Mid to High Rise Mixed-Use (3.5 FAR) and Mid to High Rise Residential (3.5 FAR) | CD (Bylaw No. 14109) |
| West (Across King George Boulevard): | Existing commercial site under development application (220321) proposing a 4 phased mixed-use tower development, currently at initial review. | Central Business District - Area 2 (7.5 FAR) | C-8 |

## Context \& Background

- The 18,258 square metre subject site consists of 7 properties and a portion of City-owned lane, located in City Centre, south of 104 Avenue, east of King George Boulevard and west of 136A Street.
- The subject site is designated Downtown in the Official Community Plan (OCP), Mid to High Rise Mixed-Use (3.5) in the City Centre Plan and is zoned Community Commercial (C-8) Zone and Highway Commercial Industrial (CHI) Zone.
- The subject application is generally consistent with the Downtown District designation in the Official Community Plan (OCP) and the Mid to High Rise Mixed-Use designation in the CCP, while being significantly higher in density.
- Staff are supportive of the increase in density given the site's location in City Centre and proximity to Civic Centre and the Central Business District Area 2.


## DEVELOPMENT PROPOSAL

## Planning Considerations

- The applicant is proposing the following:
- OCP Amendment to Figure 16: Downtown Densities from 3.5 FAR to 7.5 FAR.
- OCP Text Amendment to permit a density of 9.7 FAR under the Downtown designation.
- City Centre Amendment from Mid to High Rise Mixed-Use (3.5 FAR) to High Rise MixedUse Type II.
- Rezoning from C-8 and CHI to CD.
- Development Permit.
- Subdivision
- to permit a phased development consisting of three mixed-use towers with heights of 56,60 and 65 -storeys, one 15 -storey hotel, 1,541 dwelling units and 43,114 square metres of commercial and office floor space and an overall gross FAR of 9.7.
- A publicly accessible urban plaza is proposed at the south portion of the site.
- The project is proposed as a four-phased development and organized as follows:
- Phase 1 tower is located at the south-east portion of the site (Block A) and consists of a 56-storey mixed use tower and includes 466 residential dwelling units, and 9,100 square metres of commercial and office floor space.
- Phase 2 tower is located at the north-east portion of the site (Block B) and consists of a 60 -storey mixed-use tower and includes 528 residential dwelling units, 13,944 square metres of commercial and office floor space.
- Phase 3 tower is located at the north-west portion of the site (Block C) and consists of a 56-storey mixed-use tower and includes 547 residential dwelling units, and 19,292 square metres of commercial and office floor space.
- Phase 4 building is located at the south-west portion of the site (Block D) and is proposing a 15 -storey hotel with a total floor space of 15,296 square metres.

|  |  |
| :--- | :--- |
| Pot Area |  |
| Gross Site Area: | 18,258 sq. metres |
| Road Dedication: | 2,409 sq. metres |
| Undevelopable Area: | N/A |
| Net Site Area: | 15,850 sq. metres |
| Number of Proposed Lots: | 4 |
| Building Heights: | $65,60,56$ and 15-storeys |
|  |  |
| Floor Area Ratio (FAR): | 9.7 gross FAR, 11.1 net FAR |
| Floor Area |  |
| Residential: |  |
| Commercial/Office: | 118,630 sq. metres |
| Hotel: | 39,026 sq. metres |
| Total: | 14,489 sq. metres |
| Residential Units: | 176,263 sq. metres |
| Studio: |  |
| 1-Bedroom: | 144 |
| 1-Bedroom \& Den | 468 |
| 2-Bedroom: | 205 |
| 2-Bedroom and Den: | 660 |
| 3-Bedroom: | 21 |
| Total: | 43 |

## Referrals

| Engineering: | The Engineering Department has no objection to the project <br> subject to the completion of Engineering servicing requirements as <br> outlined in Appendix II. |
| :--- | :--- |
| School District: | The School District has advised that there will be approximately 55 <br> school-age children generated by this development, of which the <br> School District has provided the following expected student <br> enrollment. |
| 31 Elementary students at Lena Shaw Elementary |  |
| 15 Secondary students at Guildford Park Secondary |  |

## (Appendix III)

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

The applicant has advised that the dwelling units in Phase 1 of this project are expected to be constructed and ready for occupancy by 2028.

Parks, Recreation \&
Culture:

The closest active park is Holland Park which is 670 metres away, and the closest natural area is 22 G - Greenbelt is the closest park with a natural area and is 700 metres away.

Surrey Fire Department: No concerns subject to detailed review in advance of Development Permit and Building Permit issuance.

Advisory Design Panel: The proposal was considered at the ADP meeting on November 23, 2023 and was supported. The applicant has agreed to resolve most of the outstanding items from the ADP review as outlined in the Development Permit section of this report. All additional revisions will be completed prior to Council's consideration of Final Adoption of the rezoning by-law, to the satisfaction of the Planning and Development Department.

## Transportation Considerations

## Road Network and Infrastructure:

- As part of the subject proposal, the applicant will be providing the following road improvements:
- Dedication and construction of the south side of 104 Avenue to the City Centre arterial road standard;
- Dedication and construction of the east side of King George Boulevard to the City Centre arterial road standard;
- Dedication and construction of the west side of Whalley Boulevard to the City Centre arterial road standard; and
- Dedication and construction of the north side of Central Avenue to the City Centre collector road standard.


## Traffic Impacts:

- A site-specific transportation impact assessment ("TIA") was required to be submitted as part of the proposal.
- The proposed development is anticipated to generate approximately fifteen vehicles every minute in the peak hour, according to industry standard rates.
- The applicant is required to construct improvements to the signalized intersections adjacent to the subject site in order to ensure adequate operations, as per the recommendations of the TIA.


## Access and Parking:

- The subject site is proposed to be accessed via an internal drive aisle through the subject site, connecting with King George Boulevard and Whalley Boulevard.
- According to the Zoning Bylaw, the applicant is required to provide a total of 2,369 parking spaces on site.
- The applicant is proposing to provide a total of 1,999 parking spaces on site. A portion of the residential visitor parking space requirement will be shared with parking spaces required for the proposed office use, due to alternate hours of use and anticipated differing temporal peak parking demands.
- To further support the proposed parking provisions, the applicant is proposing to provide transportation demand management measures and payment-in-lieu in accordance with the Alternative Transportation Infrastructure Reserve Fund Bylaw. The specific transportation demand management measures will be finalized prior to final approval of the proposed development.
- Based on the above considerations, staff support the proposed parking provisions.


## Sustainability Considerations

- The applicant has met all of the typical sustainable development criteria, as indicated in the Sustainable Development Checklist.
- In addition, the applicant has highlighted the following additional sustainable features:
- The buildings are designed to maximize natural daylighting and solar efficiency. The design specifies efficient systems such as intelligent lighting systems and LED lighting throughout, designated to Step Code 2 standards and connected District Energy.
- Construction of the development emphasizes the use of materials that are from certified 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. These reduce impacts on outside ecosystems while helping create the healthiest indoor environment for homeowners and office workers.
- In the office podiums, the vertical and horizontal shading devices on the facade limit solar gain, particularly on the south and west-facing facades. The office envelope will include a high-performance window system to increase energy efficiency and reduce noise levels and glare.
- Generous residential balcony sizes will facilitate outdoor living and provide additional solar shading.
- Roof areas are designed to incorporate living space, landscape and technology to create a positive environmental effect. Where possible, areas will be dedicated to a 'green roof, reducing waste heat generation and creating beneficial urban eco-habitat for birds.
- The stormwater collection system will filter runoff and reduce pressure on the public storm water system. This extensive perimeter stormwater management system will be assisted by the water-retaining capacity of the landscaped open space, roof decks and permeable surfaces.


## School Capacity Considerations

- The School District has advised that 8 modular units have been approved at Lena Shaw Elementary School and will be operational in September 2024. Ministry funding has been approved for a 450-capacity addition to Guildford Park Secondary School, targeted to open September 2028.
- These expansions will be in place in advance of the final completion of Phase 1.


## 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 for the proposed development from 3.5 FAR to 7.5 FAR.
- The applicant is also proposed an OCP Text Amendment to permit a density up to 9.7 FAR in the Downtown designation.
- 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 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 Local Government Act, it was determined that it was not necessary to consult with any persons, organizations or authorities with respect to the proposed OCP amendment, other than those contacted as part of the pre-notification process.


## Themes/Policies

- The proposed development is consistent with the following OCP Themes and Policies:
- Growth Management
- Accommodating Higher Density: Direct residential development into Surrey's City Centre at densities sufficient to encourage commercial development and transit services expansion.
- 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 Mixed-Use - Type II (7.5 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 the Surrey City Central.
- The proposed development conforms to the goal of achieving high-rise, high-density development around the three SkyTrain Stations. The Surrey Central Station is located within a walking distance of 250 metres from the subject site.
- The proposed development includes limited ground floor commercial and reflects the proposed commercial and office uses currently under application nearby in City Centre, such as Development Application No. 7923-0013-oo and 7921-ooo6-oo.
- 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.
- 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.
- Green the Downtown, with appropriate new tree planting and landscaping treatments.
- 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 "Community Commercial Zone (C-8)" and "Highway Commercial Industrial Zone (CHI)" to "Comprehensive Development Zone (CD)".
- The table below provides an analysis of the development proposal in relation to the requirements of the Zoning By-law, including parking requirements.

|  | RM-135 and C-8 Zones | Proposed CD By-law |
| :---: | :---: | :---: |
| Land Use | The RM-135 Zone permits multiple unit residential buildings and groundoriented multiple residential buildings. <br> The C-8 Zone permits commercial uses including: <br> - Retail stores; <br> - Personal service uses; <br> - General service uses; <br> - Beverage container return centres; <br> - Eating establishments; <br> - Neighbourhood pubs; <br> - Liquor stores; <br> - Office uses; <br> - Parking facilities; <br> - Automotive service uses; <br> - Indoor recreational facilities; <br> - Entertainment uses; <br> - Assembly Halls; <br> - Community services; <br> - Child care facilities; and <br> - One dwelling unit. | - Multiple unit residential buildings; <br> - Ground-oriented multiple residential buildings; <br> - Retail stores; <br> - Personal service uses; <br> - General service uses; <br> - Eating establishments; <br> - Tourist accommodation; <br> - Neighbourhood pubs; <br> - Liquor stores; <br> - Office uses; <br> - Indoor recreational facilities; <br> - Entertainment uses; <br> - Cultural uses; <br> - Community services; and <br> - Child care facilities. |
| FAR (Net Density) | 2.5 | Overall net site density: 11.1 <br> Block A: <br> 11.3 <br> Block B: <br> 13.4 <br> Block C: <br> 16.1 <br> Block D: <br> 3.9 |
| Lot Coverage | 33\% | 66\% |
| Building Setbacks | $50 \%$ of the height of the building from all lot lines | Blocks A, B, C and D  <br> 104 Ave.: 4.5 metres <br> Central Ave.: 4.5 metres <br> 136A St.: 4.5 metres <br> KGB: 4.5 metres |
| Building Height | Not Applicable | Block A: 185 metres Block B: 203 metres Block C: 216 metres Block D: 54 metres |


| Amenity Space |  |  |
| :---: | :---: | :---: |
| Indoor Amenity: | Block A: <br> 837 sq.m | Block A: <br> The proposed 1,160 sq.m exceeds the Bylaw requirement. |
|  | Block B: <br> 899 sq. m | Block B: <br> The proposed 1,641 sq.m exceeds the Bylaw requirement. |
|  | Block C: 918 sq. m | Block C: <br> The proposed 1,365 sq.m exceeds the Bylaw requirement. |
|  | Block D: N/A | Block D: N/A |



- The CD Bylaw outlines specific residential and office/commercial densities in order to protect for the commercial, office and hotel floor space.
- The proposed CD By-law will incorporate similar uses as the RM-135 Zone for the residential component and the $\mathrm{C}-8$ Zone for the commercial component.
- The proposed net floor area ratio (FAR) of 11.1 and the lot coverage of $66 \%$ 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 Mid to High Rise Mixed-Use designation ( 3.5 FAR) calculated on the gross site area, the proposed use and density complies with the intent of the proposed High-Rise Mixed-Use (7.5 FAR) designation in the Surrey City Centre Plan.
- The proposed lot coverage is appropriate for the proposed high-rise development including significant office podiums and is consistent with proposed surrounding developments and with the context of the future Civic Centre to the east.
- The RM-135 Zone requires the setbacks to be 7.5 metres or a minimum of $50 \%$ of the building height, whichever is greater. The applicant is proposing reductions for all setbacks in the CD By-law. The reduction in building setbacks is supportable as they allow for more active engagement of the streets, which is desirable for the City Centre area and consistent with the City Centre Plan design guidelines.
- The proposed commercial and office uses are a reflection of the City's objective to concentrate office space within and around the Central Business District in City Centre and are appropriate for a mixed-use development in the City Centre, providing opportunities for employment, entertainment and service uses.


## 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.Ro37;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.


## 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 December 4, 2023, and the Development Proposal Signs were installed on December 4, 2023. Staff received one inquiry from a neighbouring property owner seeking additional information regarding the tower siting and heights.


## DEVELOPMENT PERMIT

## 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 applicant has worked with staff to:
- Develop an attractive mixed-use project that integrates a diverse range of functions and uses, featuring a spacious park-like plaza facing south towards the future Central Avenue;
- Enhance the pedestrian and public realm experience with a focus on desired pedestrian pathways, and placemaking;
- Collaboratively, staff and the applicant successfully arrived at the desired density with a mix of three towers and one mid-rise building. This adjustment allows for generous public spaces to accommodate significant pedestrian realm.
- Introduce unique tower and podium structures, emphasizing distinctive massing and architectural expression.
- The proposed site includes four mixed-use buildings ranging in height from 15 to 65 storeys, accompanied by podiums with heights between 5 and 10 storeys.
- The angle of Central Avenue is carried across the southern half of the site in a diagonal sightline to create a significant urban plaza and important public space in Surrey City Central that is designed to be easily accessible to the public. This strategic placement aims to highlight the evolving urban character of the City Center, adjacent to the proposed hotel and a 56 -storey mixed-use residential, office and retail tower particularly along the new Central Avenue.
- The plaza design envisions a connection to a future park in the eastern part of the site, providing public access to a variety of amenities at ground level. The plaza not only supports future hotel and commercial activities at ground level but also facilitates a connection to the north-south mews throughout the site, and both building's forms and elevations are designed to frame and reinforce the character of this plaza.
- The project will also include a range of smaller plazas along all road frontages, adding diversity and creating unique outdoor spaces for public interaction.
- The subject site is divided into four quadrants in a cruciform pattern that provides a clear pedestrian mews in a north-south and ultimately connecting Central Avenue to $104^{\text {th }}$ Avenue. This pedestrian mews is fronted on both sides by retail and café spaces that animate the walkway and provide a visual heart to the scheme.
- A newly created private east-west drive aisle forms the other arm of the cruciform and dividing line between the four quadrants. All accesses for underground parking and service/loading areas, drop-off and temporary parking are accessible from this drive aisle, as is the hotel porte cochere.
- The three mixed-use towers have been positioned to maximize both the tower separations within the site, as well as future nearby towers as per City Centre plan guidelines. Positioning of the towers on the site also allows for maximum view corridors, and privacy from each tower.
- The podium forms below each residential tower all have landscaped amenity roofscapes above the office level thereby providing valuable green space and social gathering areas of occupants of the residential units above.
- Although the towers are tall at 65,60 and 56 storeys, they have simple, and elegant expressions with clearly articulated podiums and detailing that creates a complementary grouping, while maintaining distinctive characters that differentiate them.
- The podiums exhibit simplicity through a combination of horizontal spandrel glass elements and a diverse array of vertical fin expressions, arranged either in linear or rhythmic offset patterns. Additional visual interest is introduced through a punched window façade that connects the podiums of Towers C and D along 104th Avenue, creating a seamless and continuous urban streetscape.
- The design incorporates passive solar features, including vertical and horizontal fins, punched windows, and shade devices, contributing to well-articulated forms and enhancing the buildings' overall energy performance.
- The hotel boasts a distinctive weave pattern of copper, white, and light grey metal panel banding in both horizontal and vertical formats, adding a unique and visually striking element to the development.
- The applicant has agreed to continue to work with staff to address the following items:
- clarify the phasing, interim conditions and associated requirements;
- refinement of the public realm, detailing of urban plaza concept and grading, northsouth mews, design of the east-west drive aisle and all landscape features; and
- refinement of massing and elevations, and study for above grade pedestrian connections between podiums.


## Landscaping

Ground level:

- Different paving material and texture, including coloured concrete, unit pavers, wood decking, to provide visual interest and identify destinations and nodes for pedestrians and vehicles.
- The publicly accessible urban plaza is designed for everyone to enjoy including on-site residents, office and hotel uses and the neighborhood overall.
- A focal water feature is proposed within the plaza and includes a specimen tree for a shaded gathering space as well as a flush accessible interface around the corner of King George Blvd and Central Avenue.
Programming includes an amphitheater and plaza and seating, lawn and play areas, and tree grove.
- The urban plaza connects to the north-south pedestrian mews internal to the site with wide space and seating opportunities to connect the commercial areas from the south of the site to 104 Avenue.

Upper levels:

- Main outdoor amenity spaces provide active play and resting areas within each residential tower. Typical designs include seating, lounge, turf, play, and outdoor kitchen and eating areas.
- Smaller outdoor spaces can be found on various levels as extensions from the indoor amenity areas.
- The hotel is proposing an extensive green roof, that will help to offset stormwater impacts, and provide ecological value.
- Additional details regarding indoor and outdoor amenity areas are included in sections below.


## Indoor Amenity

- Per the Indoor Amenity Space requirements of the Zoning By-law No. 12000, high-rise towers that are 25 storeys or higher must provide 3 square metres of indoor amenity space per unit up to 557 square metres per tower, which equates to 186 units, plus 1 square metre per unit above 557 square metres, plus 4 square metre per micro unit and 1 square metre per lock-off unit for each building.
- Based upon the City's Zoning Bylaw requirement, the proposed development must provide a total of 2,654 square metres of indoor amenity space for the proposed 1,541 residential units, (there are no micro or lock-off units proposed). Of that 2,654 square metres of indoor amenity space, a total of 1,116 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 4,138 square metres of indoor amenity space located throughout the development, which exceeds the minimum requirement as outlined in the Bylaw.
- Indoor amenity areas are provided in each of the mixed-use residential towers on podium and rooftops levels and are connected to the outdoor amenity areas.
- Phase 1 (south-east tower site) is proposing indoor amenity areas in the podium on level 6 and on level 56 for a total of 1,160 square metres.
- Phase 2 (north-east tower site) is proposing indoor amenity areas in the podium on level 7 and in the levels 59 and 60 for a total of 1,613 square metres.
- Phase 3 (north-west tower site) is proposing indoor amenity areas in the podium on level 9 and in the levels 63 and 64 for a total of 1,365 square metres.
- Phase 4 (south-west hotel site), although not required under the Bylaw, proposes amenity area on two floors of the building.
- The indoor spaces vary in scale and are designed to provide for a wide range of activities and programming.
- The spaces will include games areas, fitness centres, gym and yoga spaces, children's activity areas, working and meeting rooms, and multi-purpose spaces and event areas.
- Indoor spaces are connected to outdoor amenity spaces with their complimentary programs and functions.


## Outdoor Amenity

- Based upon the City's Zoning Bylaw requirement of 3 square metres per dwelling unit of outdoor amenity space, a total of 4,623 square metres of outdoor amenity space is required for the proposed development.
- The applicant is proposing 6,965 square metres of outdoor amenity space across the site, which exceeds the total outdoor amenity space required under the Zone.
- The outdoor amenity spaces on this site are unique. A large scale publicly accessible urban plaza is proposed at the south portion of the site that provides for a wide range of programmable space, including an amphitheater, water feature, seating, tree grove and turf area. This plaza includes a mix of hard surface areas and trees and greenery.
- A north-south pedestrian mews is provided internal to the site and provides active and passive interaction with the commercial edges along the site, with well-designed hardscaping and seating opportunities.
- Large areas of intensive green roof are proposed on the hotel and will provide valuable habitat and food sources for nesting birds. In addition to habitat, the soft landscape areas will provide storm water benefits.
- Outdoor amenity spaces are proposed on podium and rooftop levels of all three residential towers, adjoining the indoor amenity areas. The spaces include a wide range include an entertaining area off the amenity room, outdoor living rooms, BBQ area, outdoor fireplace, sun deck, central lawn and an urban agriculture garden.


## Outstanding Items

- The applicant has been provided a detailed list identifying these requirements and has agreed to resolve these prior to Final Approval of the Development Permit, should the application be supported by Council.


## TREES

- D.Glyn Romaine, ISA Certified Arborist of Van der Zalm \& 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:


- The Arborist Assessment states that there are a total of 37 mature trees on the site, excluding Alder and Cottonwood trees and including City trees. There are no Alder and Cottonwood trees. The applicant proposes to retain 19 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 2 to 1 replacement ratio. This will require a proposed total of 36 replacement trees on the site. The applicant is proposing 157 replacement trees, exceeding City requirements.
- In addition to the replacement trees, boulevard street trees will be planted on 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 Paperbark Maple, Japanese Maple, European Beech, Serbian Spruce, and Japanese Dwarf.
- In summary, a total of 176 trees are proposed to be retained or replaced on the site with no contribution to the Green City Program.
- The proposed tree retention and replacement strategy will be refined as the applicant works through the detailed design process.


## CITY ENERGY

- The subject site is located within Service Area 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:
- community energy centres, City-operated facilities that generate thermal energy for distribution through a piped hot water network;
- 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:
- City access to, and maintenance and operation of, the ETS within the building and any infrastructure between the building and the property line; and
- 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. 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 Map
approved by Ron Gill

Don Luymes
General Manager
Planning and Development
IM/ar

## PROPOSED MIXED-USE DEVELOPMENT

KING GEORGE BLVD \& 104 AVE, SURREY, BC
File no. 23-0265

OWNER:
OVIDEOPROPERTIES LTD.


CONTACT: KANWAR DHAMRAT
ARCHIECTE ${ }_{\text {CHRIS IIKEAKOS ARCHITECTS }}$ NC.

VANCOUER $\operatorname{BC}$, VGU
TEL:
(04)
FAX: (604) 2191-2687
CONTACT: RCCHARD BERNSTE

LANOSCAPE ARCHTECT:
VIDTA
VANCOUVER BC, VII
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CIVL:
\#220, 9128 152 STREET
SURERY, BC Y YR AET



## $\frac{\text { MECHANCCLL: }}{\text { MCW GROUP }}$ <br> MCW GROUP UNT TOO 1111 -WEST GEORGIA ST <br>  <br> CONTACT: KARENSPOELITTRA EMAL: KSPOELSTRA@CW.COM <br> $\frac{\text { ELECTRICAL: }}{\text { MCWGROUP }}$ <br> UNT 400,1111 - WEST GEORGIA ST <br> VANCOUVERBCVVGE 4N3 <br> TEL: $604.687-1821$ ex. 77100 CONTACT: ERK WWC. MAK <br> CONALC: ERRWWC. MAK EMALL: EMAQQMCW.COM <br> GEOTECHNCAL: <br>  <br> SURREF BC. VI3N 3E9, TEL: 604390.022 ex. 226 <br> TEL: 674439.0222 ex. 226 CONACT MAT KOKAN <br> EMAL: :KOAN@GGOPACIFC.CA <br> $\frac{\text { STRUCTUURAL: }}{\text { GLOTTMAN SIMPSO }}$ <br> GLOTMAN SMMPSON 1661 W5t AVE. <br>  <br>  <br> ENALL:LTLTOELTNGQGLOTMANSIMPSON.COM



CHRIS DIKEAKOS ARCHITECTS INC.
T $\left.6042912660\left|\begin{array}{l}1635 \text { West Broadway } \\ \text { Vanc., BC V6J 1W9 }\end{array}\right| \right\rvert\, \begin{aligned} & \text { info@dikeakos.com }\end{aligned}$



CHRIS DIKEAKOS ARCHITECTS INC.




Commercial: Category 1: < 372 square metres [4,000 sq.f.].] gross floor area - 2.75 parking spaces for every 100 square metres [1,075 sq.f.t. of gross floor area; Category $2: 373$ sq..m. $-4,645$ sq.m. [ 4,001 sq.ft. $-50,000$ sq.ft.] gross floor area - 3 parking spaces for every 100 square metres [1,075 sq.f.]. of gross floor area; Category $3:>4,645$ sq.m. $[50,000$ sq.ft.] gross floor area - 2.5 parking spaces for every 100 square metres [1,075 sq.f.]. of gross fioor area; Offices Uses in Commercial Areas : 1.4 parking space for every 100 square metres $[1,075$ sq.ft]. of gross floor area of all floors within Surrey City Centre
Residential: Non-Ground-Oriented Multiple Unit Residential Buildings (Apartments): : 1.3 parking spaces for every 1 or less bedroom dwelling unit; ii. 1.5 parking spaces for every 2 or more bedrooms dwelling unit; and iii. 0.2 parking space for every dwelling unit for visitors; and
iv. Requested Parking Ratio Reduced to 0.9 per Dwelling Unit and 0.1 for Visitor Parking; $20 \%$ reduction has been applied to the commercial parking total as per, surrey by-law Part 5.C. 1.c.

| Tower A (SE) |  | Ratio | Required / Allowable |  |  | Required after TDM Reduction** | Total Provided | Provided within Total |  | SITE Rate | TDM Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Gross | H/C | Small |  | Gross | H/C | Small |  |  |
|  | Commercial | 2.4 stalls / 100 m 2 | 25 | 3 | 9 | 21 | 21 | 17 | 9 | 2 stalls/100 m2 | 2 stalls/100 m2 |
|  | Office | 1.4 stalls / 100 m 2 | 113 | 3 | 40 | 94 | 94 | 17 | 78 | 1.16 stalls/100 m2 | 1.16 stalls/100 m2 |
|  | Commercial Subtotal |  | 138 | 3 | 48 | 114 | 114 | 17 | 87 |  |  |
|  | Residential | 0.90 stall / unit | 419 | 8 | 147 | 335 | 364 | 27 | 201 | 0.78 | 0.72 |
|  | Visitor* | 0.1 stall / unit | 47 | 0 | 16 | 30 | 30 | 0 | 17 | 0.064 | 0.064 |
|  | Residential Subtotal |  | 466 | 8 | 163 | 365 | 394 | 27 | 218 |  |  |
|  | Total Parking Stalls |  | 604 | 11 | 211 | 480 | 509 | 44 | 305 |  |  |

Visitor Shared: $2 / 3$ of Parking spacess shared with office parking due to alternate hours of use.

Visitor Shared: $2 / 3$ of Parking spaces shared with office parking due to alternate hours of use
Tower C (NW) Parking Statistics

| Tower C (NW) |  | Ratio | Required / Allowable |  |  | $\begin{gathered} \hline \text { Required after TDM } \\ \text { Reduction** } \\ \hline \end{gathered}$ | Total Provided | Provided within Total |  | Rate | TDM Rate |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  |  |  | Gross | H/C | Small |  | Gross | H/C | Small |  |  |
|  | Commercial | 2.4 stalls $/ 100 \mathrm{~m} 2$ | 27 | 6 | 9 | 22 | 22 | 44 | 0 | 2 stalls/100 m2 | 2 stalls/100 m2 |
|  | Office | 1.4 stalls / 100 m 2 | 255 | 6 | 89 | 212 | 212 | 44 | 0 | 1.16 stalls/100 m2 | 1.16 stalls/100 m2 |
|  | Commercial Subtotal |  | 281 | 6 | 98 | 234 | 234 | 44 | 0 |  |  |
|  | Residential | 0.90 stall / unit | 492 | 10 | 172 | 394 | 430 | 28 | 0 | 0.79 | 0.72 |
|  | Visitor ${ }^{\text {r }}$ | 0.1 stall / unit | 55 | 1 | 19 | 35 | 35 | 1 | 0 | 0.064 | 0.064 |
|  | Residential Subtotal |  | 547 | 11 | 191 | 429 | 465 | 29 | 0 |  |  |
|  | Total Parking Stalls |  | 828 | 17 | 290 | 663 | 699 | 73 | 0 |  |  |

VIstor Shared: Parking spaces shared with Commercial parking due to altemate hours of use.
$\rightarrow$ TDM Reduction: Maximum $20 \%$ is allowed in city center

15 Provided Parking Stalls by Level

|  | P1A/L1 | P1 | P2 | P3 | P4 | P5 | P6 | P7 | P8 | Total Provided | Total Required | Provided vs. Required |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Tower A \& B (South) | , | 152 | 180 | 180 | 180 | 170 |  |  |  | 862 | 651 | 211 |
| Total South Parkade |  | 152 | 180 | 180 | 180 | 170 | 0 | 0 | 0 | 862 | 651 | 211 |
| Tower C (North) | 21 | 74 | 74 | 74 | 74 | 74 | 74 | 74 | 67 | 606 | 663 | -57 |
| Tower D (North) | 10 | 66 | 66 | 66 | 66 | 66 | 66 | 66 | 59 | 531 | 586 | -55 |
| Total North Parkade | 31 | 140 | 140 | 140 | 140 | 140 | 140 | 140 | 126 | 1,137 | 1,248 | -111 |
| Total Provided | 31 | 292 | 320 | 320 | 320 | 310 | 140 | 140 | 126 | 1,999 | 1899 | 100 |

MIXED-USE DEVELOPMENT
10344/48/63/76/92 King George Blvd.
\& 13634/54-104th Ave, SURREY, BC

## ISSUED FOR <br> REZONING/DP

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November 23, 2023




KEY PLAN


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CENTRAL AVENUE

MIXED－USE DEVELOPMENT $\mid$ TOWERS A\＆B－FLOOR PLANS－P1A 10344／48／63／76／92 King George Blvd． \＆13634／54－104th Ave，SURREY，BC

November 23， 2023OVIED DEVELOPMENTS


KEY PLAN


> LEGEND

136A STREET

TOWER B
CENTRAL AVENUE
TOWER A


CHRIS DIKEAKOS ARCHITECTS INC

MIXED-USE DEVELOPMENT $\mid$ TOWERS A\&B - FLOOR PLANS - L1 10344/48/63/76/92 King George Blvd \& 13634/54-104th Ave, SURREY, BC

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MIXED-USE DEVELOPMENT TOWER B - FLOOR PLANS - L14 (Amenity) 10344/48/63/76/92 King George Blvd. \& 13634/54-104th Ave, SURREY, BC

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MIXED-USE DEVELOPMENT TOWER C - FLOOR PLANS - L65 (Roof) 10344/48/63/76/92 King George Blvd

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November 23, 2023
A286


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November 23, 2023
A294




## MATERIAL LEGEND




AL-3. ALUMIUM WINDOW FINS: Pooder Coated to AMA 6050 Interpon "Standard White" AL-4. ALUMINUM VERTICAL PANEL:
Color to Match Powder Coated to AAMA 2605, Interpon






AL 50 on Crystal Iray
with $A$ G50 Guardian ( $(2)$

$6 \mathrm{~mm}{ }^{3}-2853$ Anchor Gray - Vitro Clear (\#\#2)
TT-1. ARCIITECTURAL FINISH PAINT:
Colorto Math Beniamin Moore
Color to Match Beniemin Moore 2121-60 White Diamond
PT-2. ARCHITECTURAL Finsh Paint:

C. ARCHITECTURAL FINISH PAIN

MP.2. Mayme Coatings Dark Fir- 1501102-7

MP. 3 . COMPOSTITE ALUMIUUM PANEL: Colo to math Powder coated to AAMA 2605 , Interpon
.
 ALzo Nobel Coaings, FIuromax Copper. Code:8W2019


KEY PLAN


## MATERIAL LEGEND

AL-1. ALUMINUM WINDow WALL FRAME, GUARDRALL:
Powder Coated to AAMA 2605 , hterpon "llon Mountain Grey












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T-1. ARCHITECTURAL FINISH PAINT
PT-2. ARCHITTECTURAL EINISHH PAINT 212 -60 White Diamond
CT.3. ARCHITITECTURA Beiamin More 2127-30 Gravel Gray
PT-3. ARCHITECTUUALLININSHAPANT

MP. Mayne Coatings Dark Fir- 1501102-7

MP-3. Compositit ELUUINUM PANE: Colo to meth owder coated to AMA 2605, Interpon
MP-4. ALLMMINUM PANEL:
Fluoromax Copper. Code:8W2010


KEY PLAN


## MATERIAL LEGEND

AL-1. ALUMINUM WINDOW WALL FRAME, GUARDRALL
Powder Coated to AAMA 2605 , , tremon "Iron Mountain Grey"
 AL-2. ALLOMINOUN CUTRRAAN WALL


AL-5. "Itum Mountain Grerticle PANEL:



Supermutral 68 on Clear Glass-Argon-Clear Glass
with uarilen

AG 50 on Crystal Cray
with $A$ G 50 Guarcian ( $(2)$
GL-3. with ANSDE Luardian (\#2)
6 mm
TT-1. ARCHITTCCURAL FINISH PAINT:

Cole Architmath Beiamin Moore 2127-30 Gravel Gray


Manye Coutangs Dorar Fir -150102-773
MP.2. Composite ALUMINUM PANEL:
MP.3. Compositite Beniminu Moore 2121-60 White Diamond
CANL:
MP.3. COMPOSITE ALUMINUM PANEL:
Color to math Powder coated to AAMA 2605, Interon
MP.4. ALLUMINUM PANEL:
ALzo Nobel Coanings, Fluromax Copper. Code:8w2010
\& 13634/54-104th Ave, SURREY, BC
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November 23, 2023




MIXED-USE DEVELOPMENT NEW LANE SOUTH ELEVATION
10344/48/63/76/92 King George Blvd.
\& 13634/54-104th Ave, SURREY, BCOVIEDO
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## MATERIAL LEGEND

AL-1. ALUMINUM WINDOW WALL FRAME, GUARDRALL
Powder Coated to
AAMA 2605 , Interon "Iron Mountain Grey AL-2. A. AUdur Coated to AAMA 2605 , Interpon.


Color to Match $P$ owder
H.
Iron Mountain Greyl
AL-5. ALUMINUM VERTTCAL PANEL:
Simulated Wood Sofft- Dark Chery




GL-3. SPANDREL GLASS:
Opaci-Coat-300
63 -2853 Anchor Gray - Vitro Clear (\#2)
6 (
PT-1. ARCHITECTURAL FINISH PAINT:
 CT. Color to Match Beniainin Morere 2127-30 Gravel Gray
 MP. Manne Coatings -Dark Fir - 150102 -733
MPMPSITE ALUMINUM PANEL:

 MP-4. ALLUMINUM Chad PANEL: Akzo Nobel Coatings, Fluoromax Copper. Code:8W2010


## MATERIAL LEGEND









GL-2. TOWER VIION GLASS - TINTED SEALED UNTT:



PT-1. ARCHITECTURAL FINISH PAINT:







Ss, Fuoromax Copper. Code:8W2010





MIXED-USE DEVELOPMENT ENLARGED PODIUM ELEV. - EAST VIEW 10344/48/63/76/92 King George Blvd \& 13634/54-104th Ave, SURREY, BC

KEY PLAN


## MATERIAL LEGEND

AL-1. ALumnum winow wall frame. guardrall:

AL.3. Powler

Clotion iver pidide PaNEL.










PT.3 ARCCHITHCCTURARILEMNSHP PANT:




" Black Charcoal"
MP. ALUMINUM PANEL
MP-4. ALLMMINUM PANEL:
Azzo Nooel Coainings, Fluoromax Coopper. Code:sW201Q


MIXED-USE DEVELOPMENT $\mid$ INTERNAL PODIUM ELEV. - NORTH VIEW 10344/48/63/76/92 King George Blvd \& 13634/54-104th Ave, SURREY, BC
ARCHITECTS INC.

SUBMISSION TO A.D.P.
November 23, 2023

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developments

MATERIAL LEGEND
AL-1. ALUMINUM WINDOW WALL FRAME, GUARDRAI,


AL-. Powder Coated to AAMA 2 2605, Interon "Standard White
AL-4. ALUMINUM VRETICAL PANL:
AL-4. ALUMINMM VERTICAL PANEL:
Color to Math Power Cole Coated to AAMA 2605, Interpon
AL-5. ALUMMNOM VERTTCAL PANEL:
AL-5. Simulated Woord doftit - Dark Ch
AL-6. CANOPY supports

GL-1. ToWer Vision cans- ITIED ESALED UNIT:
Supermutral 68 on Clear Glass-Argon-Clear Glass
with urartian



PT-1. ARCHITECTURAL F FINISH PAINT:
PT. Color fo Match Beniamin Moore 2121 -60 White Diamond


Color to Match Beniami
MP-1. Aluminu sofin:



MP-4. Alum inum Panel:
Akzo Nobel Coatings. $\qquad$


## MATERIAL LEGEND

AL-1. ALUMINUM WINDOW WALL FRAME, GUARDRALL:
Powder Coated to AAMA 2605 , Interon "llon Mountain Grey





AL-5. ALUMINUM VERTTCAL PANEL:
Simulate Wod Soffl-

GL-1. TOW TEO Nisio

GL-2. TOWER RIIIION GLASS - TINTED SEALED UNIT:

| AG 50 on Crystal Cray Glass-Argon-Clear Class |
| :---: |
| with A $A$ So |



PT-1. ARCHITECTURAL FinISH Paint:




Mp-2. Mampo Coatings Dark fir - 1501020 -733


MP-4. ALBum Churcop ANEL:
Akzo Nobel Coatings, Fluoromax Copper. Code:8w2010


MIXED-USE DEVELOPMENT $\operatorname{INTERNAL~PODIUM~ELEV.~-~EAST~VIEW~}$ 10344/48/63/76/92 King George Blvd.
\& 13634/54-104th \& 13634/54-104th Ave, SURREY, BC

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November 23, 2023

## MATERIAL LEGEND



Powder Coated to AAMA 2605, Interpon "Iron Mountain Grey"
AL-3. ALUMINUM WiNDOW FINS:


AL-5. ALUMINUM VERTICAL PANEL:
AL-6. SANOPOP SUPPORTS:

GL-1. TOWER VIIIION GLASSS-TINED SEALED UNIT:
Supeneutral 68 on liear Glass-Agon-Clear Class

${ }^{\text {GL-2. TOWER VISION GLASS - TINTED SEALED UNIT: }}$


PT-1. ARCHITECTURAL FINISH PAINT:


 IP-1. ALUMINUM SOFFIT:
MP-2. Mompositin ALUMIINUM PANEL-2


MP-4. Alluminulc PANEL:
Akzo Nobel Coatings, Fluoromax Copper. Code:8W201Q




MIXED-USE DEVELOPMENT ${ }^{\text {INTERNAL PODIUM ELEV. - WEST VIEW }}$ 10344/48/63/76/92 King George Blvd \& 13634/54-104th Ave, SURREY, BC

SUBMISSION TO A.D.P.
November 23, 2023


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CHRIS DIKEAKOS CHRIS DIKEAKOS
ARCHITECTS INC

MIXED-USE DEVELOPMENT STREETSCAPE ELEVATION - NORTH 10344/48/63/76/92 King George Blvd. \& 13634/54-104th Ave, SURREY, BC

SUBMISSION TO A.D.P.
November 23, 2023

KEY PLAN


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CHRIS DIKEAKOS ARCHITECTS INC.

MIXED-USE DEVELOPMENT STREETSCAPE ELEVATION - WEST
10344/48/63/76/92 King George Blvd.
\& 13634/54-104th Ave, SURREY, BC

SUBMISSION TO A.D.P.
November 23, 2023

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KEY PLAN


MIXED-USE DEVELOPMENT STREETSCAPE ELEVATION - SOUTH 10344/48/63/76/92 King George Blvd. \& 13634/54-104th Ave, SURREY, BC

KEY PLAN


MIXED-USE DEVELOPMENT STREETSCAPE ELEVATION - EAST 10344/48/63/76/92 King George Blvd. \& 13634/54-104th Ave, SURREY, BC

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November 23, 2023

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STREET LEVEL ENLARGEMENT D-2
November 23, 2023





AERIAL VIEW LOOKING SOUTH-WEST


CHRIS DIKEAKOS ARCHITECTS INC.

MIXED-USE DEVELOPMENT 3 3D VIEWS
10344/48/63/76/92 King George Blvd. \& 13634/54-104th Ave, SURREY, BC

SUBMISSION TO A.D.P.
November 23, 2023



AERIAL VIEW LOOKING NORTH-EAST


MIXED-USE DEVELOPMENT ${ }^{\text {3D VIEWS }}$
10344/48/63/76/92 King George Blvd.
CHRIS DIKEAKOS ARCHITECTS INC.

SUBMISSION TO A.D.P.
November 23, 2023


AERIAL VIEW LOOKING TOWARDS THE SOUTH PLAZA

## SUBMISSION TO A.D.P.

November 23, 2023

A906


STREET VIEW FROM KING GEORGE BOULEVARD LOOKING NORTH-EAST

SUBMISSION TO A.D.P.
November 23, 2023

A907


STREET VIEW LOOKING SOUTH-WEST AT THE CORNER OF 104 AVENUE AND 136A STREET

MIXED-USE DEVELOPMENT ${ }^{3 D}$ VIEWS
10344/48/63/76/92 King George Blvd
SUBMISSION TO A.D.P.
\& 13634/54-104th Ave, SURREY, BC
November 23, 2023


STREET VIEW FROM CORNER OF KING GEORGE BOULEVARD AND 104TH AVENUE LOOKING SOUTH-EAST


CHRIS DIKEAKOS
ARCHITECTS INC

MIXED-USE DEVELOPMENT 3 ID VIEWS
10344/48/63/76/92 King George Blvd.
\& 13634/54-104th Ave, SURREY, BC

SUBMISSION TO A.D.P.
November 23, 2023



VIEW LOOKING NORTH THROUGH THE CENTRAL RETAIL MEW

SUBMISSION TO A.D.P.
November 23, 2023

## MATERIAL LEGEND

AL-1. ALUMINUM WINDOW WALL FRAME, GUARDRAIL:
Powder Coated to AAMA 2605, Interpon "Iron Mountain Grey"
AL-2. ALUMINUM CURTAIN WALL FRAME:
AL-2. ALUMINUM CURTAIN WALL FRAME:
AL-3. ALUMINUM WINDOW FINS:
Powder Coated to AAMA 2605, Interpon "Standard White"
al-4. ALUMINUM VERTICAL PANEL
Color to Match Powder Coated to AAMA 2605, Interpon
"Iron Mountain Grey"
AL-5. ALUMINUM VERTIICAL PANEL:
AL-6. CANOLated Wood Soffit - Dark Cherry
AL-6. CANOPY SUPPORTS:
Color to Match Powder Coated to AAMA 2605, Interpon
GL-1. TOWER MISION GLASS - TINED SEALED UNIT: TOWER VIIION GLASS - TINED SEALED UNIT:
Superneutral 68 on Clear Glass-Argon-Clear Glass
GL-2. TOWER VISION G
AG 50 on Crystal Gray Glass-Argon-Clear Glass with AG50 Guardian (\#2)
GL-3. SPANDREL GLASS:
Opaci-Coat-300 \#3-2853 Anchor Gray - Vitro Clear (\#2)
PT-1. ARCHITECTURAL FINISH PAINT:
Color to Match Benjamin Moore 2121-60 White Diamond
2. ARCHITECTURAL FINISH PAIN

PT-3. ARCHITECTURAL FINISH PAINT:
Color to Match Benjamin Moore 2121-20 Steel Wool
MP-1. ALUMINUM SOFFIT:
MP-2. COMPOSITE ALUMINUM PANEL:-
Color to Match Benjamin Moore 2121-60 White Diamond
MP-3. COMPOSITE ALUMINUM PANEL:
Color to match Powder coated to AAM 2605
MP-4. ALLUMINUM PANEL
Akzo Nobel Coatings, Fluoromax Copper. Code:8W201Q


PT-3


MIXED-USE DEVELOPMENT
10344/48/63/76/92 King George Blvd
\& 13634/54-104th Ave, SURREY, BC



AL-3


AL-5


GL-


GL-2


PT-1 MP-2


MP-1


MP-4


SUBMISSION TO A.D.P.
November 23, 2023

OVIEDO developme

## OVIEDO KING GEORGE

Issued for ADP (City of Surrey File Number: 23-0265)

## Contact Information

VDZ $\mathrm{P}+\mathrm{A}$
Fort Langley Studio
$102-9181$ Church Stre
Fort Langley, British Columbia, V1M 2 R8
Mount Pleasant Studio
$102-355$ Kingsway
Vancouver, British Columbia, V5T 3.J7

Key Project Contacts
Chris Dikeakos Architects
Crchititect
1635 W Broadway
Vancouver, B.C.
V6at 1W9

Primary project contact:
Micole Wu
micole@vdz.ca
0.604 .546 .0926
Alternate contacts (incase away)
Mark van der alm
Principal Landscape Architect
Mark van der Zalm
Principal Landscape Architect
mark@uvz.ca
mark@ydz.ca
0.6045460920
o. 604.291 .2660
e. inf@@dikeakos.com

(1) SITE PLAN OVERVIEW
——_

| L-13 | TOWER C - L8 \& L9 LIGHTING PLAN |
| :---: | :---: |
| L-14 | TOWER C L63 \& L64 LIGHTING PLAN |
| L-15 | TOWER D - L7\& L59 LIGHTING PLAN |
| L-16 | TOWER D-L60 LIGHTING PLAN |
| LS-01 | SECTIONS |
| LS-02 | SECTIONS |
| LS-03 | SECTIONS |
| LS-04 | SECTIONS |
| LD-01 | DETAILS |
| LD-02 | DETAILS |
| LD-03 | DETALS |
| LD-04 | DETALLS |
| LD-05 | DETAILS |




102 Ave



136A STREET L-02D/Matchline

L-02A/Matchline
$\qquad$
VDZ + A














| kEY | REF. | description |
| :---: | :---: | :---: |
|  | $\frac{3}{(L 0.02}$ | HYDRAPRESSED SLAB Manulacturer. Eelgard Model: Glocal Colour: Ideal |
| II | $\left(\frac{8}{(10.03)}\right.$ |  |
| - 0 | $\frac{2}{(10.03)}$ |  |
| $\square$ |  | Moveable flamt |
| * | $\frac{1}{10.04}$ |  |
| $\cdots$ | $\left.\frac{1,2}{(L D-01}\right)$ | Shrub plantil |


|  | Botanical coommon Name | cowr | SIIEE | ov |
| :---: | :---: | :---: | :---: | :---: |
|  | Cra Conorata'/ Shoor | в8B | 3.0nt | 1 |
|  |  | в88,60 | 25 | 1 |


| KEY | REF. | DESCRIPTION |
| :---: | :---: | :---: |
|  |  |  |


(1) TOWER D-LEVEL 60

(2) $\frac{\text { TOWER D - LEVEL } 61}{\text { Scal } 1: 50}$









TO: Director, Area Planning \& Development

- North Surrey Division

Planning and Development Department
FROM: Development Services Manager, Engineering Department
DATE: December 12, $\mathbf{2 0 2 3} \quad$ PROJECT FILE: $\quad \mathbf{7 8 2 3} \mathbf{- 0 2 6 5 - 0 0}$

RE: Engineering Requirements
Location: 10376, 10344, 10348, and 10392 King George Blvd, and 13654 \& 13634104 Avenue

OCP AMENDMENT/CCP AMENDMENT
There are no engineering requirements relative to the OCP Amendment/CCP Amendment.

## REZONE/SUBDIVISION

## Property and Right-of-Way Requirements

- Dedicate varying widths along 104 Avenue;
- Dedicate 4.437 m along King George Boulevard;
- Dedicate 12.0 m along Central Avenue;
- Dedicate 1.942 m along 136A Street;
- Dedicate a 5 mx 5 m corner cuts at road intersections: of 104 Avenue and King George Boulevard; at the intersection of 104 Avenue and 136A Street, and at the intersection of Central Avenue and 136A Street.
- Register a 0.5 m statutory right-of-way (SRW) along all road frontages for maintenance;
- Dedicate as road (without compensation) a By-law road along 104 Avenue.


## Works and Services

- Construct the south side of 104 Avenue;
- Construct the east side of King George Boulevard;
- Construct the north side of Central Avenue;
- Construct the west side of 136A Street;
- Implement intersection improvements at 104 Avenue and King George Boulevard, and at 104 Avenue and Whalley Boulevard as per TIS recommendations;
- Install signal at Central Avenue and King George Boulevard;
- Construct adequately-sized service connections (water, storm, and sanitary), complete with inspection chambers/water meter, to each lot. Upgrade or relocate fronting mains as required to service the site.

A Servicing Agreement is required prior to Rezone/Subdivision.
DEVELOPMENT PERMIT
There are no engineering requirements relative to issuance of the Development Permit.

| Department: | Planning and Demographics |
| :--- | :--- |
| Date: | December 6, 2023 |
| Report For: | City of Surrey |

Development Impact Analysis on Schools For:


| School-aged children population projection | 55 |
| :--- | :--- |


| Projected Number of Students From This Development In: |  |
| :--- | :--- |
| Elementary School $=$ | 31 |
| Secondary School $=$ | 15 |
| Total Students $=$ | 46 |


| 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 |
| $450-c a p a c i t y ~ a d d i t i o n, ~ t a r g e t e d ~ t o ~ o p e n ~ i n ~ t h e ~ s p r i n g ~ o f ~$ |
| 2028 . |


| Current Enrolment and Capacities: |  |
| :--- | ---: |
|  |  |
| Lena Shaw Elementary | 664 |
| Enrolment | 569 |
| Operating Capacity | 5 |
| \# of Portables |  |
|  |  |
|  |  |
| Guildford Park Secondary | 1390 |
| Enrolment | 1050 |
| Operating Capacity | 11 |
| $\#$ \# of Portables |  |



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


Note: If this report is provided in the months of October, November and December, the 10 -year projections are out of date and they will be updated in January of next year.
Population : The projected population of children aged 0-17 impacted by the development.
Enrolment: The number of students projected to attend the Surrey School District ONLY.

Table 3 : Tree Preservation Summary

Surrey Project No:
Address:
Registered Arborist:
TBD
10344-10392 King George Blvd \& 13634-13664 104th Ave, Surrey, BC.
D. Glyn Romaine - ISA Certified Arborist PN-7929A

| On-Site Trees | Number of Trees |
| :---: | :---: |
| Protected Trees Identified <br> (on-site and shared trees, including trees within boulevards and proposed streets and lanes, but excluding trees in proposed open space or riparian areas) | 37 |
| Protected Trees to be Removed | 18 |
| Protected Trees to be Retained <br> (excluding trees within proposed open space or riparian areas) | 29 |
| Total Replacement Trees Required: <br> Alder \& Cottonwood Trees Requiring 1 to 1 Replacement Ratio $0 \times \text { one }(1)=0$ <br> All other Trees Requiring 2 to 1 Replacement Ratio $18 \times \text { two }(2)=34$ | 36 |
| Replacement Trees Proposed | 157 |
| 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 | 4 |
| Total Replacement Trees Required: <br> Alder \& Cottonwood Trees Requiring 1 to 1 Replacement Ratio $0 \times \text { one }(1)=0$ <br> All other Trees Requiring 2 to 1 Replacement Ratio $4 x \text { two }(2)=8$ | 8 |
| Replacement Trees Proposed | 0 |
| Replacement Trees in Deficit | 8 |




the future lives here.
OCP Amendment 23-0265-00
Figure 16: Proposed Downtown Densities
Amendment from 3.5 FAR to 7.5 FAR

CHRIS DIKEAKOS
ARCHITECTS INC.

November 29, 2023
City of Surrey
13450104 Ave, Surrey, BC V3T 1V8

| ATTENTION: | Ingrid Matthews |
| :--- | :--- |
| SUBJECT: | $10054-88$ Whalley Blvd. and 10055-89 137A St. |

Hi Ingrid,
Please see the responses to ADP recommendation.

## Key Points

- Great landmark project. Thank you.
- Recommend conducting a wind study for the development to highlight the potential issue of wind tunnels. We will conduct the wind study with the specialist consultant and provide any mitigation measure that may be required based on their report and results.
- Consider ways to harmonize the design and elevation of tower A podium and midrise B facing the open plaza. CDA will look at ways to increase the harmonization between the hotel and the Tower A Office/Retail podium.
- Consider selection and layout of mechanical equipment early so as not to limit your choices. We will coordinate the mechanical equipment requirements with our mechanical engineer for the project to allow for a variety of suitable responses.
- Consider high quality bike amenities including good wayfinding for bicyclists, automatic door operators to ease entry and exit, ample room for caro bikes and trailers, and electric bike charging. These amenity and wayfinding items will be provided for the bike user in this project and will be further developed in our detailed design phases of the project.


## Site

- Consider opportunities for public pedestrian indoor connections between the buildings in the public use areas. This is being considered particularly for a possible elevated indoor bridge connection between the hotel building and the second level of the Tower A office podium.
- Consider locating all the underground parkade ventilation shafts along the lane instead of along the main streets. We will review this possibility with our mechanical engineering consultant.
- Consider refining the pedestrian crossing at the lane to better connect the north-to-south pedestrian mews. We will look at this possibility with possibly a raised pathway, pedestrian activated crossing lights and clear path markings.


## Form and Character

- Consider the structure of all the elements in the project, ensuring there is proper support with columns or walls, while not negatively impacting the design. This will be provided in conjunction with our structural engineer.
- Consider conducting a wind tunnel study, given tall form and massing of the towers. Will be conducted as previously mentioned above. A wind tunnel study will be conducted as previously mentioned above.
- Consider providing outdoor amenity spaces for the office component to allow for fresh air, quiet space, and views for people working in an office environment. Will be considered for the office component adjacent to the bridge connecting Towers C \& D podiums.
- Consider moving the north facing roof outdoor amenity space of tower $D$ to the south. Will consider.
- Reconsider providing direct outdoor amenity access through the indoor amenity space in tower A. Will consider direct access to outdoor amenity areas.
- Consider incorporating more diverse, supportive functions on-site, especially for a project of this size. Consider incorporating daycare facility to this project, given its increasing demand. A daycare facility will definitely be considered for this project.
- Consider continuous weather protection along commercial frontages, especially along the mews. Will be provided at detail design stage.
- Consider reviewing the exit stair location on the southwest corner of the plaza. Looking at this possibility in conjunction with our code consultant and landscape architect.
- Consider contribution to affordable unit reserve since no affordable units are provided in the project. Will consider.


## Landscape

- Consider providing a covered or all-weather space on the amenity roof areas. Will provide in conjunction with our landscape architect.
- Consider a green roof on Level 16 of the hotel given its high level of visibility. Will consider this in conjunction with our landscape architect.


## CPTED

- Consider ways to mitigate disruptive activities, such as late-night parties, on the landscaped plaza. Will review with a security consultant to determine best practices and approaches to this.


## Sustainability

- Consider opportunities for sharing heat between the different uses within the project. Will do so in conjunction with our mechanical consultant.
- Consider using future climate files for thermal comfort modelling to test resiliency and ensure livability in future. Will do so in conjunction with our mechanical consultant.
- Consider incorporating a bike maintenance area that can also serve as a casual space for interaction. Will do.
- Consider analyzing how bicyclists interact with pedestrians and drivers both on the ground plane and within buildings when further developing this project. This will be carefully considered.
- Consider how best to encourage waste management with three stream systems in suites. Will consider with strata.
- Ensure central recycling rooms are well lit and include sorting tables with pictograms to address language barriers. Will provide.
- Consider alternatives to burning fossil gas outdoors. Will consider.


## Accessibility

- Recommend indicating the percentage of adaptable units in the development. Will provide.
- Review the accessibility issues in the plaza and the mews. Will review in conjunction with our landscape architect.


## FIGURE 1



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

