## 701 Kingsway <br> December 15, 2023

背PFS STUDIO
planning • URban design • Landscape architecture

## Table of <br> Contents

Land Acknowledgement ..... 3
Project Benefi

Project Team

Qualex-Landmark's Commitment

## 1 Policy Context

The Broadway Plan
MCEC Planning Area
Selected Broadway Plan Principles
9
Aele
Applicable Policies and Guidelines

## 2 site Description

City Context and Connectivity 14
Site Context
15
Neighbours and Streetscapes 16
Existing Site and Tenants
17
$\begin{array}{lr}\text { A Great Neighbourhood } & 18 \\ \text { The Locals } & 19\end{array}$

## 3 Design Rationale <br> 20-37

Building Overview
Materiality and Character
Key Design Considerations

1. A Unique Site
2. POPS: A New Neighbourhood Place
3. Extend the 2-Storey Village Scale
4. Activate the Building Edges
. Cpand Bicy Gaps
5. A New Approach to Balconies and Open Space
. ANew 15 Avp and Fraser St Intersection Space
. East 15 Ave. and Fraser St. Intersection Realignment
6. Recognize Amenities as a Benefit of Density

Sustainability Measures
Public Art

## 3 Renderings

4 Drawings
Building Grades
Survey
Shadow Studies
$11 \times 17$ Architectural Drawings for Reference

## Iand acknowledgement

The project team acknowledges that the proposed development is on the traditional, ancestral, and unceded territory of the $x^{w} m ə \theta k^{w}$ әy ${ }^{2}$ m (Musqueam), Skwxwú7mesh (Squamish), and səlilwətał (Tsleil-Waututh) Nations.

## rezoning intent

Qualex-Landmark ${ }^{T M}$ and RWA Group Architecture are applying to the City of Vancouver to rezone the property at 701 Kingsway from C-2 to CD-1 to permit the development of a 24 -storey tower with 201 secured rental units and active street-level retai uses along Kingsway and Fraser St. This rezoning application follows a detailed Letter of Enquiry process and considers the feedback of City of Vancouver staff, current and potential tenants, and community stakeholders. The proposal is aligned with the vision and principals of the Broadway Plan and designed to be responsive to the unique characteristics of the site, location, and neighbourhood.

## project benefits

## Supplies New Rental Housing

The proposed development will create 201 new rental homes. Twenty percent of the total residential floor space will be offered at $20 \%$ below average rents and at least $35 \%$ will be family units including $10 \%$ three-bedroom homes.

## No Residential Tenant Displacement

Currently a retail strip with at-grade parking, the property is uniquely positioned to offer new rental housing without any residential displacement.

## Policy Compliant

The proposed rental tower is 24 -storeys and 8.5 FSR, with active ground floor commercial uses along Kingsway and Fraser St. The building design follows the Broadway Plan's guiding principles to support a broader vision for Vancouver.

## Provision of POPS

The site plan allows for a generous Privately Owned Public Space (POPS), enhancing the public realm with a new neighbourhood gathering place to service residents, local businesses and the community

## Contextual Massing

The urban context has significantly influenced the form of development. A 2-storey pavilion mirrors the smallscale retail shops and restaurants along East 15th Ave. The tower is located to minimize shadowing on this popular local high street and McAuley Park. The POPS extends a local network of green spaces and serves as the gateway to the future Fraser St. retail corridor.

## ( QUALEX- <br> LANDMARK

Qualex-Landmark ${ }^{\text {TM }}$ is a Vancouver-based development group that has been building boutique residences for over 30 years. Our portfolio is defined by quietly iconic residential communities, born out of our highly detailed approach to development.

The twenty-three outstanding communities speak for themselves, notably: Domus, Pomaria, Green on Queensbury, Legacy on Dunbar and Artesia in British Columbia, and Park Point in Alberta.

From the fine details of the homes to the quality of homeowner and tenant care, we ensure each residen is exceptionally well taken care of every step of the way. We have built a philosophy of doing the right thing with a humanistic approach.

## Consultants

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RWA GROUP ARCHITECTURE
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## Qualex-Landmark's ${ }^{\text {TM }}$ Commitment

## OUR CONVICTION

Our housing system, our environment, and our collective physical and mental well-being are all interconnected Together, we are facing issues in our region that have been generations in the making

Our world is urbanizing, but we know that buildings account for over one third of global greenhouse gas emissions, Canad has the lowest amount of housing per capita of any nation in has the lowest amount of housing per capita of any nation in less connected to one another.

We believe that each community we build should push us toward creating better-designed, healthier, more inclusive and sustainable cities. Our industry has a responsibility to make a difference

## OUR PRACTICE

Our work must be meaningful to us and the places in which we build. We partner with investors and communities to create new housing near existing transit infrastructure and amenities so we can reach a greater number of people in our region, while protecting the natural systems that support us. We recognize each place will reveal its own set of opportunities to make positive change, and we act on these opportunities.

## OUR PEOPLE

Our team has been built with the intention to bring unique voices and perspectives to the many complex issues of our day. We embrace our diverse backgrounds and life paths to foster an environment of inclusive experiences, lifetime learning, and a culture of collaboration. We are bound by our practic to listen respectfully, learn from each other and bring the best ideas into our work.

## OUR COMMITMENT

We are committed to leveraging our skills, our partnerships and resources to address issues of wellness, affordability and climate change meaningfully in our lifetime. Whether it's finding new ways to deliver more affordable housing reating spaces that foster real connection between people, improving our construction practices to limit ecological impact, or investing in energy efficient and pressing issues are not distinct from market demands. pressing issues are not distinct from market demands.
If we engage authentically with these issues in the dai practice of our work, we will get authentic results that are both good for our world and good for our industry.

We take seriously our responsibility to our people and the people in the communities we create.

Our Recent Progress:

## LEED Platinium at Green Partnership with YWCA

 Moodyville Park PartnershipPolicy Context

## The Broadway Plan

In March 2019, the City of Vancouver launched a planning process to create a comprehensive community plan for the area within Vine Street to Clark Drive and 1 st Avenue to 16 th Avenue. The Broadway Plan was approved by Vancouver City Council on June 22, 2022 and has been in effect as of September 1, 2022. The 30-year plan focuses on opportunities to integrate new housing, jobs, and amenities around the new Broadway Subway.


## MCEC Planning Area

701 Kingsway is located in the Mount Pleasant Centre Area C ("MCEC") area of the Broadway Plan. The Plan's intent for this area is to strengthen Kingsway as a more pedestrian- and bikefriendly mixed-use street with new housing opportunities, particularly secured market and below market renta

The proposal at 701 Kingsway reflects the Broadway Plan's vision for the MCEC area
10.12.1 MCEC Policy Summary Table


## Additional Policies

10.12.2 Require continuous active ground floor retail/service uses along Kingsway and Fraser Street.
10.12.3 There will be a maximum of three towers per block face. Where there are two or more towers on a block face prior to adoption of the Broadway Plan, one additional tower can be considered.


## Foster a <br> Robust and <br> Diverse <br> Economy

"...key shopping villages and opportunities for small and local businesses should be enhanced, including new neighbourhood servicing shops and services" page 30

## Support Affordable, Diverse, Equitable, Inclusive and Complete Neighbourhoods

"neighbourhoods should be livable and meet the needs of all ages, incomes and abilities and include amenities, jobs, shops, services and community facilities and services" page 31

## Encourage <br> Contextual <br> Design

" new development should include architecture and building forms that respond to the evolving local context, including topography and elements of neighbourhood character (ie[..] Access to views and light, [...] gardens etc.)" page 31

## Recognize <br> and Enhance <br> the Area's <br> Distinctive <br> Neighbourhoods and Places

"...distinctive qualities of neighbourhoods such as [...] shopping villages and heritage and cultural resources should be retained and enhanced." page 31

## Create and Enhance Parks and Public Spaces

"...diverse places for public life should be integrated [...] throughout neighbourhoods to foster walkability and human health, and create opportunities for social connection..." page 32

## applicable policies and guidelines

- The Broadway Plan (June 2022)
- The Vancouver Plan (July 2022)
- C-2 District Schedule (November 2022)
- RM District Schedules (November 2022)
- High Density Housing for Families with Children (Amended 2022)
- Vancouver's Housing and Homelessness Strategy (2012-2021)
- City of Vancouver Rental Incentive Program Review (2019)
- City of Vancouver Secured Rental Policy (Amended 2023)
- Rental Incentive Programs Bulletin (2012)
- Vancouver Building By-Law VBBL (2019)
- Building Accessibility Handbook (2020)
- Rainwater Management Bulletin (2018)
- Groundwater Management Bulletin (Amended 2023)
- Water Wise Landscaping Guidelines (2022)
- Parking Bylaw - Street Parking Section 4, Loading Section 5, Bike Parking Section 6, Passenger Space Section 7 (2022)
- Garbage and Recycling Storage Amenity Design Supplement (2022)
- Bird Friendly Guidelines Explanatory Note (2014)
- Transportation Assessment and Management Study Guidelines for Consultants
- Transportation Demand Management for Developments in Vancouver (2019)
- Parking By-Law No. 6059 (Elimination of Minimum Parking Requirements - To Be Implemented January 1, 2024)
- British Columbia Active Transportation and Transit Oriented Design Guidelines (2021)
- Balcony Enclosure for New Buildings Bulletin (2012)
- Green Buildings Policy for Rezonings (Amended 2022)
- Bulk Storage for Multiple Dwelling Residential (Amended 2022)
- Greenest City Action Plan (2020)


## city

context and connectivity

701 Kingsway is exceptionally walkable, with many neighbourhood destinations within a ten-minute walk, roll or bike Mobi bike share stations are frequent The site is well-served by transit, with two major bus routes connecting to downtown. The future Skytrain station will expand connections to the Metro Vancouver area and further reduce dependence on private vehicles.
$\rightarrow$ Truck route
$\rightarrow$ Future greenway

- 019 / N019 Downtown Bus
- 008 / N008
- Fraser / Downtown
$\Rightarrow$ Future Skytrain
$\longrightarrow$ Dedicated Bike Lane
- MOBI Bike Station



## site context

701 Kingsway is at a gateway location at the highly visible intersection of Kingsway and Fraser St. It is on the southern edge of the Broadway Plan. The geometry of the site is determined by the diagonal of Kingsway and the east-west shift of Fraser St. It borders the higher density MRTC and MCEC Broadway Plan zones.

701 Kingsway will be a neighbour to the well loved East 15 Ave. "Village" a charming mixed-use strip of shops, cafes and restaurants between Fraser St. and Robson Park. McAuley Park is across Fraser St. from the site and Robson Park is a 3 minute walk away.


## neighbours and streetscapes



The Village



McAuley Park - Kingsway



McAuley Park - Fraser St.


Fraser St.

Site-Fraser St.


Site - Kingsway

site

## existing site and tenants

The existing building is a singlestorey, 9,058 sf commercial strip mall with 7 retail tenants built in 1987

## List of Existing Tenants:

1. My Beautiful Laundry
2. Straight Outta Brooklyn Pizzeria
3. Sal Y Limon Mexican Cuisine
4. Alenka European Foods
5. Quick Pick Mini Mart
6. Ba-le Deli and Bakery
7. Discover Dogs Pet Store

treet level view

## a great neighbourhood

A great neighbourhood offers many of life's day-to-day needs within walking distance. A variety of community, recreational, spiritual and commercial uses are a short walk, bike, roll, or bus ride away from 701 Kingsway.

This area of Mount Pleasant offers life's essentials plus a rich assortment of community and unique cultural spaces. It exemplifies urban and cultura diversity and is home to Chinese, Filipino, Vietnamese, Indian, and Polish communities. This is a great East Van neighbourhood: livable, community centered, and eclectic


## the locals

The Village on East 15 Ave. is a local treasure. It balances the character and charm of a modest high street with a collection of unique shops and destination restaurants. The Village is on the north edge of McAuley Park which acts as a "front porch" buffering the shops and sidewalk life from Kingsway's noise and traffic

A selection of urban gems are located a short walk from 701 Kingsway - adding to the local flavour. These are classic East Van places with grass-roots appeal. The small scale shops are typically owner-operated. Many of the open spaces have a feeling of a neighbourhood back yard

The eccentric nature of the neighbourhood opens the door to innovation including new types of public space and built form.


Prince Albert Greenway
gathering place and pathway from a reclaimed right-of-way between E 13 and 14 Ave


R为. Robson Park and Community Garden local neighbourhood park and community garden

st E 13th Ave. hidden garden shared garden, seating, free library (fibre and books)

site

The site's corner location and complex geometry present challenges and opportunities to building design.

## building overview

## Form and Massing

The building design responds to the complex site geometry, integrates a significant new public space provides engaging retail streetscapes, and supports a socially sustainable resident community.


POPS

A centrally located POPS repairs a gap in the neighbourhood public realm network and improves connectivity by providing a controlled pedestrian route through the site


## tower articulation

The tower form follows the site geometry, opening up on the south side to daylight the corridors and accommodate large private and shared balconies

street oriented retail

Retail space activates Kingsway, Fraser St. and the edges of the POPS.

indoor and outdoor amenities

A variety of indoor and outdoor amenity spaces are located throughout to support social connections, integrate nature into the development and manage rainwater.



The south elevation is animated with offset balconies and a central vertical spine with shared balcony terraces.

## materiality and character

701 Kingsway is comprised of three key elements: the tower, POPS and pavilion. The design intention is to express each unique element and provide continuity and cohesion throughout the development.

East, West and North Tower Elevations
The choice of materials and colours is intended to create elevations with a clean and calm expression. The east, west and north tower elevations are envisioned as simple grids of floor to ceiling glazing, and metal and opaque glass spandrels, defined by a framework of grey and charcoal metal panels.

South Elevation
The tapered tower form opens up on the south elevation to optimize solar exposure. Balcony slab edges and glass railings combine with off-set metal screens to create a playful, shifting composition. These animated elements contrast with the dramatic vertical spine including seven shared balcony terraces.

## Warm Coloured Elements

Textured, coloured, composite panels at the recessed residential lobby entrance, and at selected areas along the Fraser St. and Kingsway shopfronts, provide warmth and interest at the street level.

## Screens and Grilles

Screens and grilles are used on the tower and pavilion to provide scale, texture, shading, privacy, and continuity

## Light Brick

Light coloured brick is proposed along the Kingsway streetscape to distinguish this part of the project and provide a textured, robust and inviting material along busy Kingsway


aerial view looking north-east

## key design considerations

1 a unique site

2 POPS: a new
neighbourhood place

3 extend the 2 storey
4. activate building edges and create strong neighbourhood connections

- repairing the urban and green gaps

6) cars and bicycles:

Ta new approach to space
8) recognize amenities as a benefit of density


- realign East 15 Ave. and Fraser St. intersection


## a unique site

701 Kingsway will be one of the first higher-density developments in this area of Mount Pleasant to follow the Broadway Plan. The location, where Fraser St. shifts from east to west combined with the site geometry that tapers to the north, places the building directly on the south terminus of the Fraser St. axis. 701 Kingsway will therefore become a natural landmark and set a precedent for tall, livable, urban developments in Mount Pleasant.

The unique attributes of 701 Kingsway present a number of building design opportunities:

- "Transition point" location at the southern edge of the Broadway planning area, the intersection of 3 different Broadway Plan sub-areas, and the foot of Fraser as a planned commercial high street.
- High visibility at the intersection of Kingsway and Fraser, two major arterials.
- Location at the south terminus of the Fraser St. axis, creating a natural landmark
- Expand the local greenway network preceded by Robson and McAuley parks
- Extend the East 15 Ave. Village, creating a retail hub for the neighbourhood.


the sequence of public spaces resemble "skipped stones" across the neighbourhood


## POPS: a new

neighbourhood space
701 Kingsway is proposing a generous privately owned public space (POPS) courtyard - a new neighbourhood space to serve residents, local businesses and the community.

## Extending the Public Space and

 Pedestrian NetworksThe POPS serves to complete the network of public spaces preceded by Robson and McAuley Parks and integrates a controlled pedestrian link to improve east-west neighbourhood connectivity.

## An Urban Refuge

The POPS is "minimalist' in nature, and includes steps up to the courtyard level, special continuous paving, trees in formal rows, and a waterfall or art wall at its furthest end. The POPS is distinctly urban, with natural elements to create a refuge.


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Retail Edges
Commercial retail frontages along Kingsway
and Fraser St. meet at the corner where the
courtyard trees extend into a sidewalk corner
plaza. Retail frontages and entries wrap
around the courtyard, activating and bringing
life to its edges.
Sunny, Buffered, and Visible
The courtyard is oriented to provide a direct
visual connection to McAuley Park across the
street and is west facing to capture full sun
in the late afternoon during winter months
and well into the evening during summer. A
2-storey commercial/amenity pavilion buffers
the POPS from busy Kingsway.


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## 3 extend the 2-storey

village scale

The Broadway Plan describes a 4-storey podium for this building typology. This proposal extends the 2 -storey Village height along Kingsway into the pavilion and along the base of the tower. This approach respects the existing context of the neighbourhood and creates a retail hub

The lower pavilion height increases the amount of solar access into the POPS and increases the visibility of rooftop amenity spaces from the street.
the Village public realm extends into McAuley Park which acts as a "front porch" and buffers shopfronts from busy Kingsway
the base of the tower will reflect the Village scale
the 2-storey pavilion is separated from the tower by the POPS to reduce the overall "bulk" and allow more sun into the POPS
ssible future Broadway Plan development along Fraser St


aerial view overlooking the pavilion looking north west

30701 Kingsway Rezoning Application

## activate building <br> edges and create strong neighbourhood connections

Fitting new buildings into an existing neighbourhood is a key urban design challenge, particularly when introducing taller, denser forms. However, strong connections and friendly, engaging building edges can smooth this friction by bridging differences in form and density.

1 continuous, active, ground floor retail along Kingsway and Fraser St. retail wraps around from Fraser to East 15 Ave. frontage

3 the courtyard is framed by retail to activate this space and maximize commercial frontage

4 residential lobby along East 15 Ave. with passenger drop-off conveniently adjacent

5 a controlled pedestrian link through the courtyard improves east-west neighbourhood connectivity

6 a retail patio and servery on the second storey actives the edge above the courtyard


a view looking west along Kingsway shopfronts

## 5 repairing the urban <br> and green gaps

The strip mall and surface parking lot currently on site create a gap in the surrounding retail and residential context. 701 Kingsway intends to "stitch up" this gap to improve walkability and neighbourhood cohesiveness.

The proposed street-facing retail mirrors the conditions opposite Kingsway and along East 15 Ave. The POPS is open to both Kingsway and Fraser St. and serves to complete the skipped-stone network of public open spaces preceded by McAuley and Robson parks.

Street trees, mature trees in the POPS, landscaped spaces on the pavilion combined with a green roof, and rooftop terraces on the tower contribute valuable green amenities including habitat, rainwater management, and access to nature in this urban context.



## cars and bicycles: <br> an urban approach

701 Kingsway is challenged to fit parking below grade.
Geotechnical conditions restrict excavation beyond two levels, while angled site geometry makes for inefficient underground parking layouts.

Fortunately, City policy supports the shift away from the use of personal vehicles including removing minimum parking requirements. The proposal will emphasize alternative modes of transportation, the site's intrinsic walk-, roll- and bike-ability, and convenient access to current and future transit options.

## Innovative Strategies to Maximize Below Grade Parking and Retail Frontage

Given the site's geometry and topography, a parking ramp would displace a considerable amount of retail frontage. This proposal includes the use of a vehicle elevator, allowing for more efficient underground parking layouts and active street edges along all three of the surrounding streets.


## Supporting Bike Culture

- Secure, below-grade bike storage for residential tenants is accessed via the tower core - safely separated from vehicle traffic.
- Workshop space serves as a bike repair facility on P1.
- Class B bike racks provided near the residential lobby and along Kingsway and Fraser St
- Bike storage and repair stand for retail employees provided at-grade.
- 10 shared resident e-bikes are provided below grade.


a new approach to balconies and open space


Shared Balcony Terraces
The proposal includes 7 shared outdoor patios (on every 3 floors) up the south elevation. These are social areas where neighbours can meet and families can cook and dine together. These balconies provide the small, shared, meaningful moments that make up the social fabric of Fraserhood and imagines a vertical community where a BBQ and spacious dining table is never more than one floor away




## A Unique Vertical Spine

The V-shaped tower floorplate is a direct response to the site geometry. This shape creates a natural opening for common outdoor balconies and adds a strong vertical element, with active uses, up the height of the tower, contributing o the landmark qualities of this development. The recessed location of the common balconies provides a sense of enclosure and reduces the potential for vertigo sometimes associated with high-rise balconies.

Balconies along the southern expression will passively surveil the POPS through "eyes on the courtyard"

## Increased Housing Choice

A variety of balcony types are proposed: cantilevered, inset and Juliet. All 2- and 3-bedroom units feature private balconies. Approximately $30 \%$ of 1-bed units will include private balconies. The remaining 1-bedroom and studios will feature Juliet balconies

Juliet balconies achieve the objectives of private open space by visually expanding interior space, increasing natural ventilation, and optimizing views. A simple, contemporary approach to the design of Juliet balconies reduces building bulk, decreases energy loss, provides tenants with more affordable options, and increases diversity around the building elevations.

contemporary, low-profile Juliet balconies


701 Kingsway Juliet illustration
daylight, livability and views

## Daylit Natural Gathering Spaces

Placing common balconies adjacent to the central core increases accessibility and allows high levels of daylight into the tower interior corridor and elevator lobby. These circulation areas are natural social spaces for residents sharing the same floor. Floor to ceiling glazing on all levels along the south elevation transform circulation spaces into sunny places with a view, where residents may spend more time, possibly with each other.




East 15 Ave. and Fraser St. intersection realignment

The proposed realignment of the East 15 Ave. and Fraser St. intersection will increase pedestrian safety and improve the public realm.


## existing condition

- extensive amounts of pavement
- sidewalk along Fraser St. north of East 15 Ave. is at the curb, ie: no buffer from traffic
- complex intersection including a traffic "island"
- pedestrian connection across East 15 Ave. is indirect, distant, confusing and dangerous



## proposal

- less pavement and more permeable surfaces
- sidewalk along Fraser St. north of East 15 Ave. is buffered from traffic
- more opportunity for street trees
- eliminates the island / median for a simplified right in / right out traffic flow
- better alignment for a crosswalk across East 15 Ave.
- opportunity for new public green space / local amenity

9
recognize amenities as a benefit of density
701 Kingsway is proposing a variety of indoor and outdoor amenity areas to increase the potential of residents connecting with each other and feeling at home outside their private space.
"Strong social connections are the greatest contributors to human health, happiness and resilience. We need to turn multi-family housing into an engine of social wellbeing."

Charles Montgomery Happy Cities
"A variety of indoor, outdoor and common areas in housing developments with a range of uses can encourage casual encounters. Including common social spaces for residents in a development is crucial to promote wellbeing and build meaningful relationships through shared interests.

Spaces that are used exclusively by a development's residents allow for a feeling of privacy and reduce feelings of crowdedness. These spaces are semi-private and facilitate recreational use at the same time..."

Happy Cities
Designed to Engage Report
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## Tower Rooftop

The rooftop garden features large, planted areas of both raised gardening planter boxes and flush in-ground planting of annual and perennial food producing crops, fruit bearing shrub masses, fruiting vines and orchard fruit trees.

A broad continuous viewing edge terrace or 'promenade' provides spaces for bench seating, movable table and chairs, and social lounge settings overlooking the city.

At the center of this garden space is a harvest terrace with a vegetable washing counter and sink, a 'Harvest' dining table and dining patio, and an indoor common amenity room which opens onto an outdoor amenity patio featuring a social fire pit space for nighttime gatherings

The gardens offer sitting and small gathering areas.



## sustainability measures

## Reduced Heat Loss

Incorporating Juliet balconies in the design of studio units and one-bedroom units reduces the area of exposed slab edges and associated heat loss compared to conventiona balconies


## Rainwater Managemen

Rainwater that lands on hardscape that cannot be drained to planting areas, will be stored temporarily in either rainwater storage cells below the paving surface or it will be filtered and stored in cisterns at parking levels.

## Green Infrastructure

A green roof, consisting of sedum succulents, is proposed on the roof of the level 2 indoor amenity building. This roof level s inaccessible to residents but provides visual and seasonal interest via vantage points from the adjacent residential towe and from the street level below.


## Passive Solar Design

The 7 ft deep south-facing private balconies shade unit interiors from the sun between the summer solstice and spring/fal equinox and allow the winter sun in


## Landscape

The landscape design complies with the City of Vancouver's requirements and best practices for sustainable design particularly in mitigating the urban heat island effect. The incorporation of permeable surfaces and green roofs in the project, allows rainwater to infiltrate the ground, reducing runoff and heat retention on paved surfaces thus contributing to a cooler microclimate.


## Energy Performance

The project will be by the Low Carbon Energy System (LCES) pathway, utilizing an electric air source heat pump for space heating and domestic hot water. Energy-efficient design considerations include passive design measures that contribute to the high-performance building envelope. Balconies are concentrated on the south side where they provide solar


## public art

701 Kingsway provides a variety of opportunities for public art including:

1. Integrated into the new public realm at the intersection of Fraser St. / East 15 Ave. with the proposed street realignment /
2. within the new POPS/courtyard space /
3. at the highly visible corner of Kingsway and Fraser.

Mount Pleasant's neighbourhood character is influenced by public art which reflects the local history, community diversity and creativity.

We look forward to working with and contributing to the City's public art program.

highly visible public art location opportunities

illustrating opportunities for public art in a variety of urban locations similar to 701 Kingsway

Renderings



47701 Kingsway Rezoning Application






## building grades




May 2,2023
adeleine Payne DBA: Real Estate Development
\%1910-400 Burrard Street
Dear Madeleine Payne DBA: Real Estate Development
EE: Building Grades for LOT 1 BLOCK 102 DISTRICT LOT 301 PLAN 187
LOT 2 BLOCK 102 DISTRICT LOT 301 PLAA 187
OT 1 BLOCK 102 IITTRIGT LOT 301 PLAN 2468
In response to your request for the above dated March $20,2023,1$ am ataching a PD copy of
our Plan BG-2023-00042 dated April 19,2023 , showing the estabished elevations llong the






To minimize grade differences, a continuuus building grade is to be interpolated between the
points siven on the attached plan Al portions of your proposed development such as entrances



In this regard, please ensure that all building grade elevations are shown on the developmen
plans subumitted for this property and show y our interpolated desesign elevations of al vehiciend





$:$ Midule of entrancess;

$:$ Stairs; and

approximation
The Building Grades are as follows:

- On Kingsseray - approximately 10 cm higher than the existing curb
:On $15^{n \prime \prime}$ Ave - approximately 17 cm higher than the existing curb;
- On Lane South 15"t Ave - will meet future lane design
On Lane
East Fraserst
warning
Buiding Grades are valid for up to 5 years ater the issued date, shown in this literer. Atter
5evars,
feuilding grades must be revaildated by the city and will incur additional review
reLIminary bulling grades
Note: Preliminary Building Grades issued by the City are not Final Building Grades and cannot be used to calculate builing height tor the purpose of the $D$ Dever Once City staf thave completede their review of the Development Permit application, we
will continue to processs your Building Grade application and Final luilding Grades wil be issued.

Note: Dedication for street widening purposes may be required. Therefore the elevations proposend gtiven on the tuture widening ine. Should you require further intormation on 644.63-7330.

Note: Construction to the builing grades issued may also neeessitate in the lane reconstructions that may be required due to your develompment, please contact lane reconstructions that may be required due
Development Services at telephone $604-873-773$.

It is the responsibility of the appicant to ensure that any topographic survey used for design


Including a copy of the building grade drawing with your development permint drawings will assist
 Sincerely.

## Tasmay Shetty

Streets
Streatis Desineer
隹
Attachment: Subject Buididing Grade Plan



## shadow study

Shadows below are calculated using Daylight Saving Time (DST)


TMPI R Man
March 21-10am (DST)


June 21-10am (DST)


[^0]
mimen man
March 21-12noon (DST)


June 21-12noon (DST)


September 21-12noon (DST)


March 21-2pm (DST)


June 21-2pm (DST)


September 21-2pm (DST)


March 21-4pm (DST)


June 21-4pm (DST)


September 21-4pm (DST)

## shadow study

Shadows below are calculated using Solar Standard Time


March 21-10am


June 21-10am


## September 21-10am



March 21-12noon


June 21-12noon


September 21-12noon


June 21-2pm


September 21-2pm


June 21-4pm


September 21-4pm











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Floor Plan - Level 4


()L. | qualex- |
| :---: |
| Landmark |



Floor Plan - Level 5-19


()L. | qualex- |
| :---: |
| Landmark |



Floor Plan - Level 20-24



Qualex Landmark



201 KINGSWAY

## N

Elevations



 Qualex Landmark
nemenemomabive
()L $\begin{aligned} & \text { Qualex- } \\ & \text { Landmark }\end{aligned}$


## 701 KINGSWAY N

Section C \& D




Qualex Landmark Sutit 670, 999 Canada Place
Vancouver, BC

$\qquad$







[^0]:    September 21-10am (DST)

