

1822 Bank Street

URBAN DESIGN BRIEF

OCTOBER 11, 2024



FOTENN
Planning + Design

Ferris + Associates
a division of NAK DS Inc



BGO

DESIGN BRIEF

HISTORICAL CONTEXT

The site, 1822 Bank Street is in the southern part of Ottawa inside the Greenbelt. As with many of the Outer Urban areas of the city, the land use was primary agricultural and rural residential prior to the 1950s. By the early 1960s, much of the west side of Bank Street had been developed into a mix of light industrial (warehousing) and large commercial such as car dealerships. Development of the development site also occurred during this period, although the current commercial mall building was not constructed until around 1970.

The single family home focused residential neighbourhoods to the northwest and to the east (on the other side of Bank Street) were primarily developed in the early 1960s while the addition of some larger apartment buildings in the late 1970s. Also in the late 1960s, the development of the shopping plaza northeast of the site at Bank and Altavista began with the construction of what is now the grocery store. The balance of that mall followed around 1970.

To the immediate north of the site, the existing office block and strip mall were constructed between the late 1970s and late 1980s. Like the subject site, little has changed on that site in the following years to the current time.

As the former railway uses to the west of the site transitioned from freight focus, the parcel of land freed up by the closure of the spur curve of rail line following what is now Glenhaven Private was redeveloped into a small enclave of townhomes and a row of townhomes boarding the west property line in the early 2000s. This period also included Ottawa's earliest foray into light rail with the opening of the O-Train on the former freight corridor to the west. Walkley, however, was not served by a station at that time.

The South Transitway brought a rapid transit station to the west of the site in the early 1990s providing easy connection to downtown via Hurdman Station. As of 2024, the service at this station to Hurdman and to Riverside south is expected to be replaced by a new LRT line that is currently under construction.

Construction of this LRT and the accompanying Walkley Station has provoked a new wave of development on the lands immediately adjacent to the station. To date a hotel and two apartment buildings have been developed on the south side of Walkley road on Anand Private. However, along Bank Street, the development pattern of any recent construction has largely followed the ground / parking orient large format commercial and light industrial that has set the urban pattern since 1960.

Bank Street is scheduled to undergo a major infrastructure renewal and urban transformation in the later half of the 2020s with a focus of making the street a 'Complete Street' to better accommodate a variety of mobility options including active transposition. This change is set to align with redevelopment of this property (and others) to a higher density, more mixed use and less car focus development pattern, particularly at site in close proximity to transit.

The scale of this parcel, at 17,300m² presents a unique opportunity to build new and more urban community capitalizing on the existing set of amenities such as grocery and service stores, employment areas, and access to transit. The parcel size is sufficient to allow the opportunity to create elements of public realm that serve the new development and surrounding community.

CURRENT SITE CONTEXT

WESTWARD – The site abuts the back yards of a row of townhomes constructed along the former rail corridor that now forms Glenhaven Private. To the west along Walkley is an enclave of townhomes also developed at the same time. Northwest is a 1960s low-rise, single family home neighbourhood. Further west, the Airport Parkway provides a linear open space and transportation corridor linking the Airport to the core.

EASTWARD – Bank Street forms the eastern boundary of the site. Immediately to the east is a car dealership, while northeast is a shopping plaza and southeast (south of Walkley) is a series of small commercial uses including a gas station.

NORTHWARD – North of the site is an existing shopping centre and three storey office building. Like the subject site, this parcel is both of significant size and depth and is anticipated to support future intensification and change. There are also a couple small (and older) stand-alone commercial buildings border the site. The nearest houses a small restaurant, while the second houses a pharmacy and treatment centre and financial support services.

SOUTHWARD – The Southern edge of the site is bounded by Walkley Road. This arterial serves as a significant east-west link in the south portion of the city, extending from Mooney's Bay in the west to highway 417 in the east. As such, there are significant traffic volumes at the Bank Street and Walkley Road intersections. A proposed new intersection at Walkley Road and the Airport Parkway (late 2020s) will influence some of that volume. On the south side of Walkley Road, there is a stand-alone drugstore and to the southwest, the aforementioned hotel and new apartment buildings adjacent to the new LRT station.

MASTER PLAN CONCEPT

The fundamental principle shaping the master plan is the development of a mixed-use transit-oriented community that is centered around a large and vibrant public open space creating a sense of place on an otherwise generic commercial arterial street. This open space is intended to provide focus to the new community and will be a source of vibrancy and animation at the heart of this new micro urban core. It will provide additional exterior green space for the residents and visitors of this development to enjoy and play. Smaller "POPs," will vary in their identities but will all play an important role in connecting the new development to the surrounding streets and reinforcing desire lines for movement through the site. Studying the patterns and impacts of prevalent winds and sun exposure in these spaces is essential in creating quality spaces that are enjoyable throughout the various seasons.

The redevelopment of this site proposes a series of high-rise buildings of varying heights. While considering our proposed massing along with existing and future context, we have reduced the building heights along the western edge of our site and allowed for taller forms at the south and

DESIGN BRIEF

southeast to reinforce the importance of the key intersection of Bank and Walkley. The position of the open space along the west side of the site and central ensures ample sunlight in the afternoon and evening and provides the maximum amount of view to green space toward the west. The position of highest densities towards the southeast also provides transition down to the low-rise neighbourhoods to the west. The intent of the architectural design is that the ground floor uses adjacent to open spaces are to be actively programmed with active uses such as amenity, lobbies, and strategic small retail spaces. This includes ground floor spaces facing Bank Street, the open space, and the POPs at Bank and Walkley and at the northeast corner of the site.

KEY DESIGN CONSIDERATIONS

The following design considerations should serve as guidelines to help shape both the public realm and the built environment in order to achieve the desired mixed-use environment.

BUILDING FORM - PODIUMS AND TOWERS

The envisioned development positions itself to support the new LRT station southwest of the site. The high-rise building typologies will address the anticipated density for the development. The development will consider scale, materiality, relationships to both the open spaces and the built environment, along with its sun and shadow impacts. Taller built forms will be consistent with the city's high-rise design guidelines in terms of podium heights, floor plate sizes, and tower separation and will address the three distinct building elements listed in the guidelines: the ground level edge condition and podium, the main body of the tower and the articulation of the top.

PLACEMAKING

Creating a strong public realm will be critical to the success of this development. The following themes are inherent to proper functioning of the public realm and should be carefully considered in order to successfully establish a quality urban fabric where people will want to live, work and play.

In the context of a large development such as this one, it is critical to consider the hierarchy of streets, open spaces and linkages between these spaces to ensure that the development is not designed in isolation, but rather in a manner that relates to its current and future context. The central open space area of the development will serve as a placemaking anchor. This large spaces is intended to be the “living room” for this new community. Adjacent buildings should anticipate ground level uses that will support the animation of the open space. The primary landscape components are comprised of a: Open Space, Interior streets, Residential Thresholds, and POPs.

The “backyard” of the site, the “Open Space” is a recreational greenspace consisting of large grass areas and pathways to draw users through the site. Space for playful structures further distinguishing the pathway while providing opportunities for lighting and sound or music, and various seating opportunities. This cheerful space, centrally located, animates the entirety of the site.

Within this space, there is also the possibility to incorporate an amenity building for use of the development and neighbouring communities.

BUILDING EDGES

Throughout all our projects, we take great care in ensuring that the interface between our proposed built environment responds to and supports the existing fabric in which it is inserted in. Understanding and acknowledging the existing context through thoughtful architectural expression is critical to the way people experience and interact with the built environment. The architectural expression should respond to the context through appropriate scale of podium elements and use of complimentary materials. As previously mentioned, the architectural expression at grade is often driven by internal uses and is therefore critical to carefully plan internal uses appropriately along active edges of the building.

INTERIOR STREETS

Creating a strong and rich built fabric will be important given the lack of urban context around the 1822 Bank Street site. As previously mentioned, careful consideration needs to be given to the pedestrian experience and the relationship of streetscapes to buildings. The various ground level uses fronting onto streets must contribute positively to the ground level edge conditions and be appropriately scaled to complement the

pedestrian experience. Additionally, using durable materials such as masonry and stone will provide a sense of familiarity and tactile quality to the users.

PATHWAYS TO TRANSIT

Creating and maintaining a strong pedestrian experience is a vital aspect for the vision of this site. Through the day we should anticipate that all the new streets and pedestrian ways will be regularly used and should be designed as such. Understanding the hierarchy of the street – be it the new public street or the more pedestrian private - is important in prioritizing the various pedestrian experiences by designing appropriately scaled edge conditions supported by complementary programming along those streets. Bank Street and Walkley Road are busy streets which move a large volume of vehicles throughout the day. In contrast, our internal street will have a different relationship to our site and should ideally become secondary to the function of the site rather than a busy thoroughfare. Promoting various uses along the internal street will contribute to improving the pedestrian experience and overall street animation.

OTHER CONSIDERATIONS - TRAFFIC, PARKING & SERVICING

We anticipate several phases of underground parking structures to fulfill the needs of the proposed and future uses on the site. Given the proximity to the new Trillium Line LRT and existing public transit, parking requirements may be lower than similarly scaled developments in less connected locations. We believe that the local neighbourhood amenities and renewed Bank Street will support a preference to active transport for many residents. Consideration will need to be given to servicing, shipping and receiving for commercial tenants and operational functions for residential uses.

IN SUMMARY

We believe through thoughtful design and planning our vision will bring renewed vitality to the area while taking advantage of the unique proximity to the current and future transit available to the community. This unique development will offer a truly complete community lifestyle while becoming a vibrant and exciting addition to Bank Street South's evolving urban fabric.

PROPOSAL OVERVIEW



Key

- Open Space Opportunity*
- Pedestrian Access Point
- Pedestrian Desire Lines
- Future Cycle Tracks
- Vehicle Movement - Public
- Vehicle Movement - Private
- Loading Space

*Open Space Opportunity TBD

Proposed Development Stats

Building Area: 1.120 M sq.ft.
Proposed Heights: 24 - 39 storeys
Number of Dwelling Units: +/- 1425 units
Parking Spaces: 20 surface + 959 below grade
Bicycle Parking: 713 spaces
Open Space Opportunity: 10% of Net Site Area (15,252 sq.ft)
Total Green Area: 23.3% of Site Area (43,421 sqft) plus green roofs

OFFICIAL PLAN

The subject site is located within the **Outer Urban Transect** in the **City of Ottawa Official Plan**. The Outer Urban Transect applies to lands within the green-belt that have a classic suburban model of development. The objective of the Outer Urban Transect is to introduce more viable public transit and active mobility options and encourage more diverse housing forms.

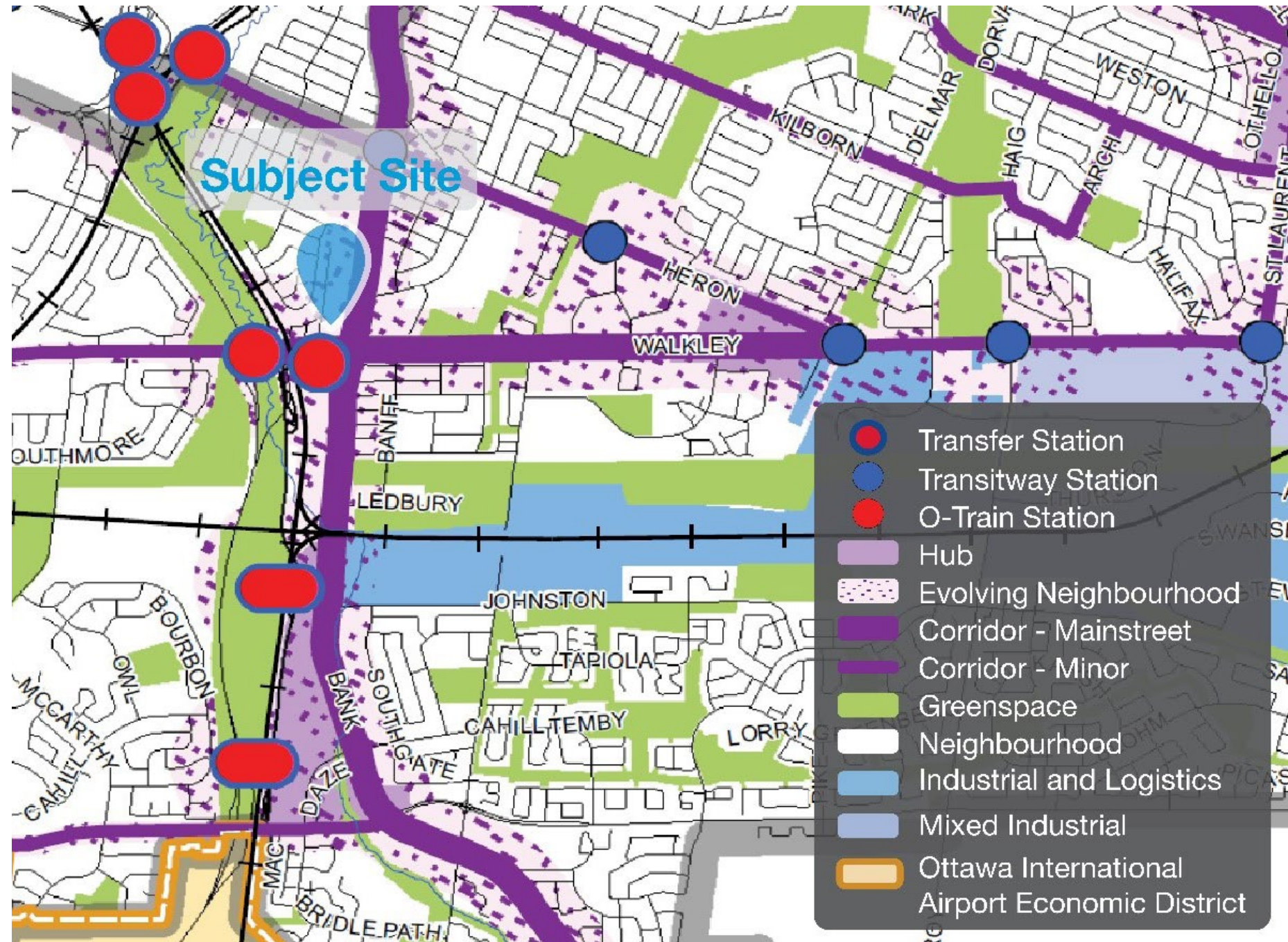
The subject site is designated **Mainstreet Corridor**. The Corridor designation applies to bands of land along specified streets whose planned function combines a higher density of development, a greater degree of mixed uses and a higher level of street transit service than abutting Neighbourhoods, but lower density than nearby Hubs.

Permitted building heights within the Mainstreet Corridor designation are **up to high-rise (40 storeys)** on corridors with a width greater than 30 metres (including Bank Street adjacent to the subject site). Permitted heights are subject to appropriate height transitions, setbacks and angular planes.

Development along Corridors should generally be located to frame the street, park, or greenspace and should provide an appropriate setback within the street context, with clearly visible public entrances from public sidewalks.

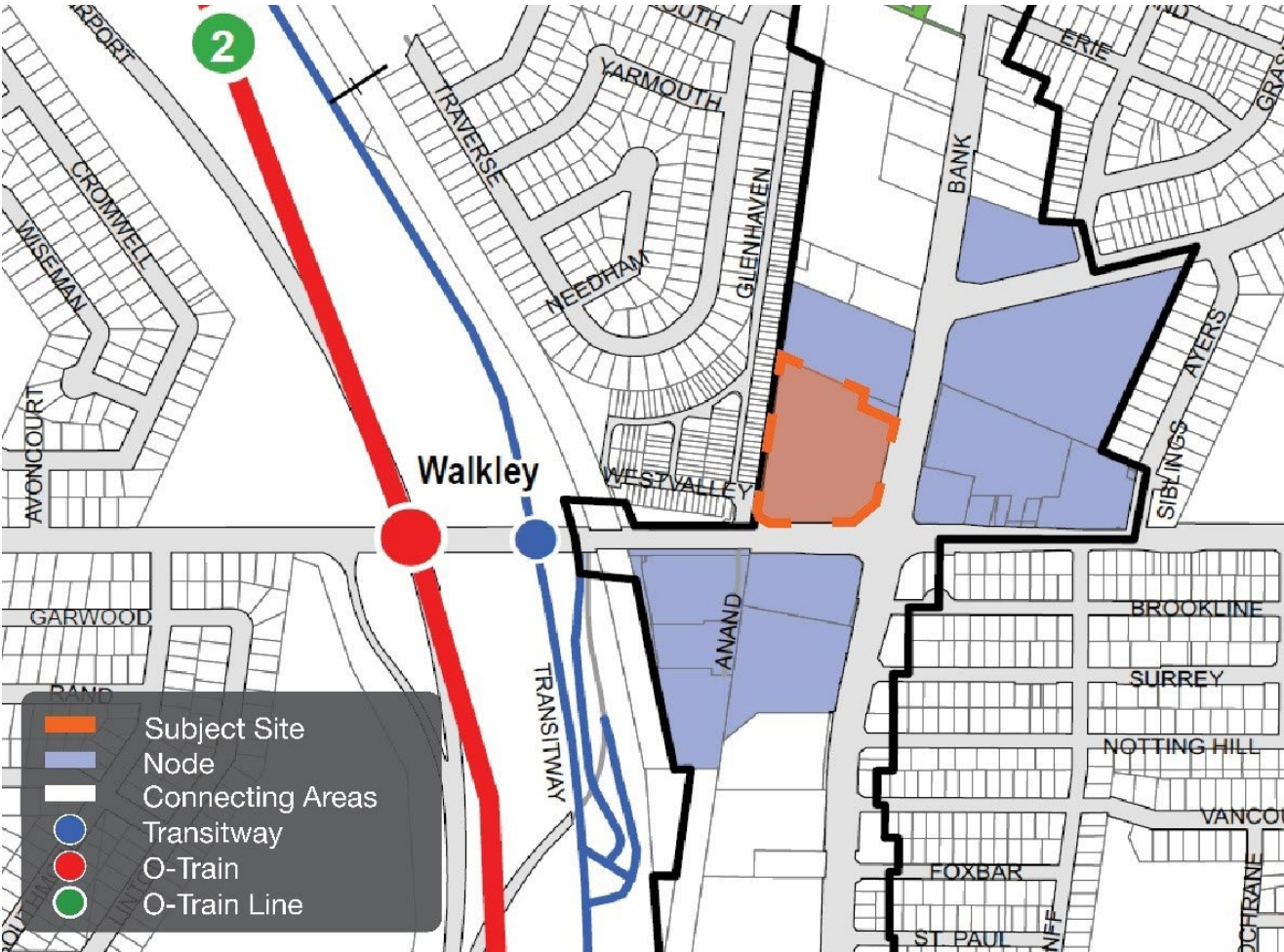
The proposed site design contributes to the evolution of a **15-minute neighbourhood** by:

- Locating buildings and store entrances along public streets (Bank Street and Walkey Road).
- Establishing an internal circulation pattern that includes direct and safe street and multi-use path connections to the surrounding built and planned urban fabric.
- Including a public street grid and pedestrian and cycling network to maximize connectivity to the surrounding street network and transit, with vehicular parking located underground.
- Building arrangement and design includes facade treatments, articulation, building materials and site furnishings that are comfortable at the pedestrian scale.



BANK ST SECONDARY PLAN

The **Bank Street South Secondary Plan** guides the long-term design and development of the portion of Bank Street between Riverside Drive and the Walkley rail corridor, and provides direction on land designations, built form, design and mobility. Section 1.4 identifies the **General Land Use and Design Policies** which provide direction for the entire Bank Street South planning area, with the proposed development incorporating the following:

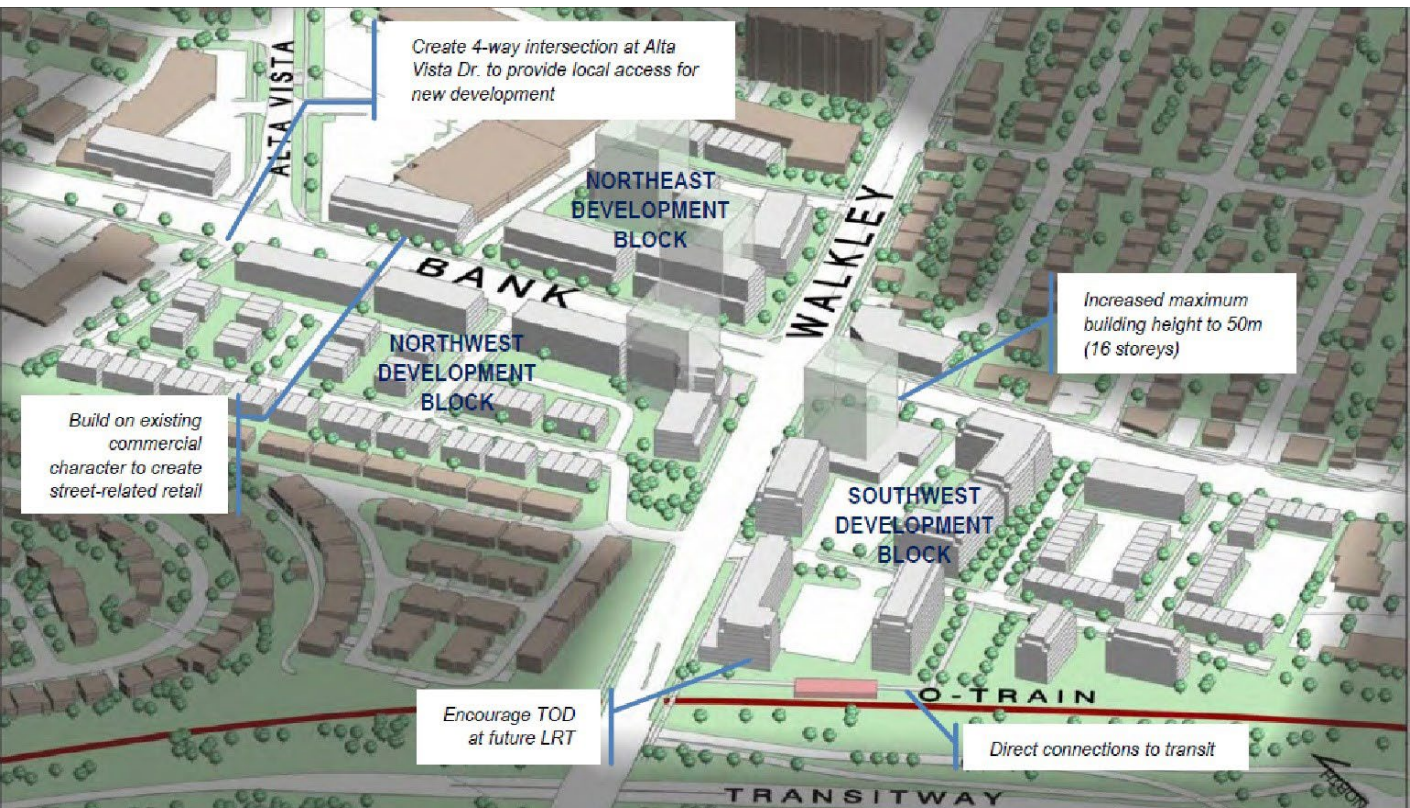


- The proposed **mix-use development** will include street-related retail uses on the ground floor along the Bank Street frontage, with residential uses located on the upper floors of the towers.
- A **well-defined street wall** of four storeys has been proposed along Bank Street to create a visually continuous streetscape and a strong street edge. The buildings along Bank Street will include entrances that are easily accessible directly from the sidewalk for pedestrians.
- **Height transitions** have been maintained between the proposed high-rise buildings and the existing low-rise residential townhomes on Glenhaven Private through generous separation space between buildings and step backs at the upper storeys.
- Parking has been screened from residential properties and the public realm through **below-grade parking** accessible via Bank Street and Walkley Road. On-street parallel parking is proposed internal to the site along both public and private streets to promote the viability of sidewalk-oriented retail.
- **Street trees** are proposed along Bank Street and Walkley Road to establish an avenue of mature trees which gives character, identity and distinction to Bank Street as an important pedestrian and automobile route.

The Secondary Plan segments the area into three distinct Nodes, with the subject site falling within **Node 3: Walkley Road**. Section 3.3 notes this area is to evolve into a medium- to high-density transit-oriented development area with higher-density buildings located on the north side and/or the southwest side of the Walkley Road and Bank Street intersection. The proposed development has responded to these guidelines by:

- Integrating pathways from Bank Street through the site to the future transfer station located at Walkley Road to **enhance the connectivity** of the area.
- Reconfiguring the existing intersection at Glenhaven Private to Walkley Road to **provide safe access** to the existing residential subdivision while accommodating the proposed development's new local street along the northern edge of the property.

COMMUNITY DESIGN PLAN AND ZONING



COMMUNITY DESIGN PLAN

The **Bank Street Community Design Plan** (CDP) is the Council-approved guide to the long-term growth and development of the portion of Bank Street from Riverside Drive to the CN rail line located south of Walkley Road, aimed at creating a framework for the future development of these lands. The subject site is located within Node 3: Bank Street near Walkley Road and Alta Vista Drive, with the following guidelines incorporated into the proposed development:

- Locating high-rise buildings along the north side of the Bank Street / Walkley Road intersection.
- Providing an east-west pedestrian connection through the subject site from Bank Street to the future LRT station at Walkley Road.
- Reconfiguring the existing Walkley Road connection to Glenhaven Private to accommodate the new local street internal to the site.
- Improving the pedestrian environment by including a large, central park within the site, and providing landscaping along the public ROW along Bank Street and Walkey Road to make the walking environment more appealing.



ZONING BYLAW

1822 Bank Street is zoned **Arterial Mainstreet, Subzone 8 (AM8)** in the City of Ottawa Comprehensive Zoning By-law (2008-250). The purpose of the Arterial Mainstreet zone is to:

- Accommodate a broad range of uses including retail, service commercial, offices, residential and institutional uses in mixed-use buildings or side by side in separate buildings; and
- Impose development standards that will promote intensification while ensuring that they are compatible with the surrounding uses.
- The AM zone is a flexible zone permitting a wide range of residential and non-residential uses to support mixed-use redevelopment.

APPLICABLE DESIGN GUIDELINES



Urban Design Guidelines for High-Rise Buildings

These guidelines address the **design of high-rise buildings** (10+ storeys) in **relation to their context, built form, and impact on pedestrian realm**. The following design guidelines are applicable to the development:

- The base of the buildings define the street wall context along Bank Street and Walkley Road.
- The proposed towers provide separation distances greater than 23 metres and respect the angular plane from the towers along Walkey Road to the existing townhomes along Glenhaven Private.
- The proposed towers also reflect the preferred tower floor plate size of approximately 750 square metres.
- The proposed development would achieve the desired base-middle-top expression.
- Parking is provided below-grade as well as on-street parallel parking.
- The subject property will continue to work to satisfy guidelines regarding building form and public realm as the concept is further developed.



Transit-Oriented Development Guidelines

These guidelines apply to all development **within 600 metres walking distance of a rapid transit** stop or station.

The subject site is located less than 300 metres walking distance to the Walkley Light Rail Transit (LRT) station, and the proposed development responds to the following design guidelines:

- Provides transit supportive, mixed-use development including high density residential uses, within 300 metres walking distance of a rapid transit stop or station.
- Lays out new pedestrian connections, permitting pedestrian movement throughout the site from Bank Street through to Walkley Road and beyond.
- Locates buildings close to each other and along the front of the street to encourage ease of walking between buildings and to public transit.
- Discourages surface parking through the inclusion of an underground parking garage.
- Transitions in scale between the higher density development along Walkey Road and the adjacent low-rise neighbourhood along Glenhaven Private, achievable through setbacks, stepbacks, and adequate separation distances between the towers and low-rise buildings

APPLICABLE DESIGN GUIDELINES



Urban Design Guidelines for Development on Arterial Mainstreets

These guidelines provide urban design guidance at the planning application stage in order to assess, promote and achieve appropriate development along Arterial Mainstreets. The proposed development meets the following guidelines, among others:

- Locates the new buildings along the public street edges and aligns the streetwall buildings with the existing built form or with the average setback of the adjacent buildings in order to create a visually continuous streetscape.
- Provides architectural landscaping features at the corner of Bank Street and Walkey Road to emphasize the public streets and enhance the streetscape.
- Orients the front façade to face the Bank Street and Walkley Road and locate front doors to be visible, and directly accessible, from these streets.
- Creates attractive public and semi-public outdoor amenity spaces through the creation of a central park.
- Incorporates setbacks on the upper floors of taller buildings to help achieve a human scale and more light on the sidewalks

Bird Safe Design Guidelines

Minimizing the Transparency and Reflectivity of Glazing:

- Avoiding monolithic, undistinguished expanses of glazing;
- Incorporating visual interest or differentiation of material, texture, colour, opacity, or other features to fragment reflections.
- Where green roofs, rooftop gardens or terraces are included in a design, any adjacent glazing should also be treated to a height of 4 metres from the surface of the roof or terrace or the height of the adjacent mature vegetation, whichever is greater.

Avoiding or Mitigating Design Traps:

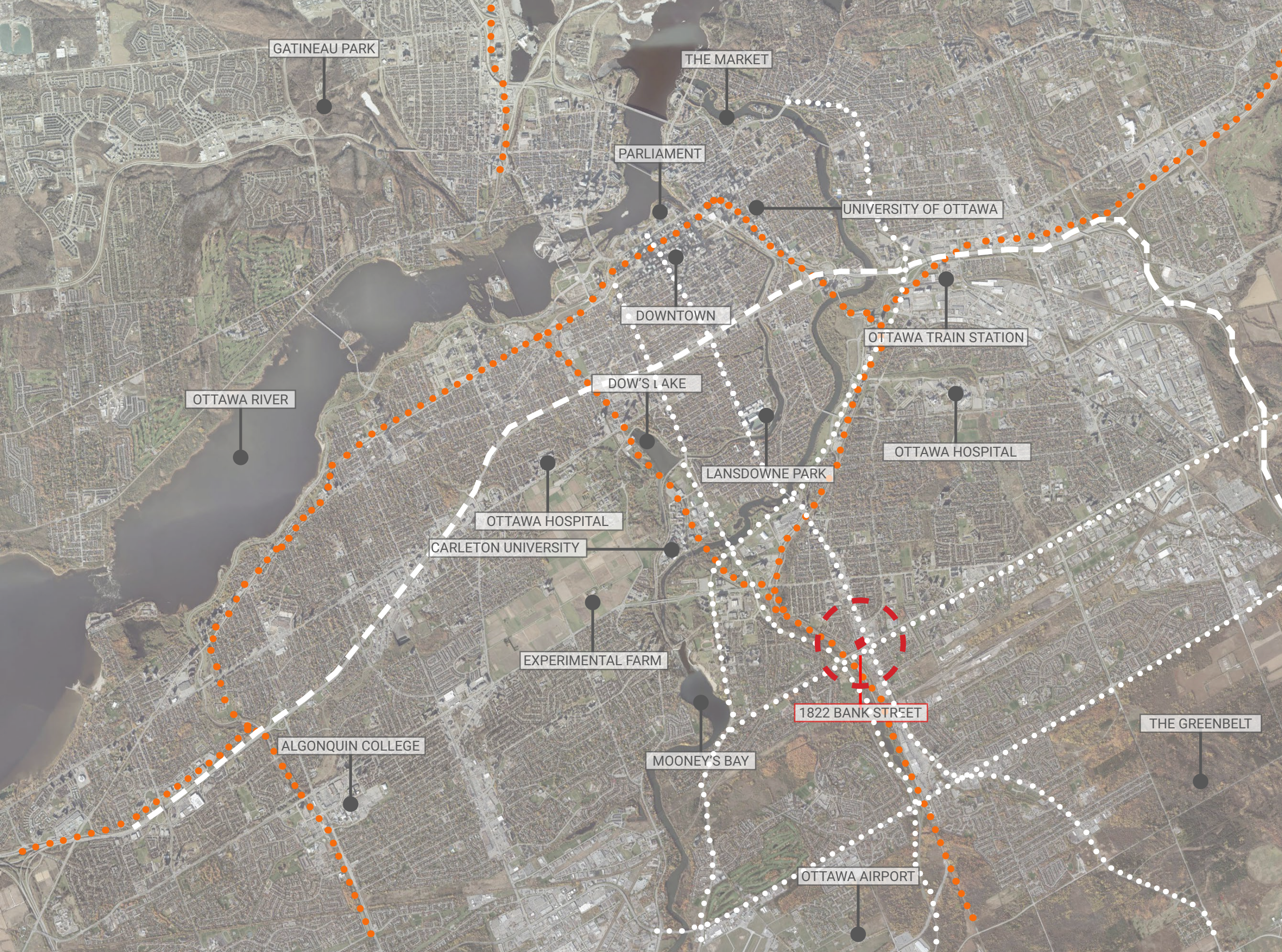
- All glazing that could create a fly-through, mirror maze or black hole effect should use bird-safe glass or integrated protection measures;
- Glass corners should be treated to render them bird-safe for at least 5 metres in each direction;

Creating Safe Bird-Friendly Landscaping:

- Designing landscape plantings to minimize reflections of trees and shrubs in nearby buildings.
- Minimizing the reflection of rooftop landscapes in adjacent building features or surrounding properties.
- Avoiding locating ornamental fountains, ponds, stormwater retention basins, wetlands, swales or related infrastructure near glass façades or windows.



CONTEXT

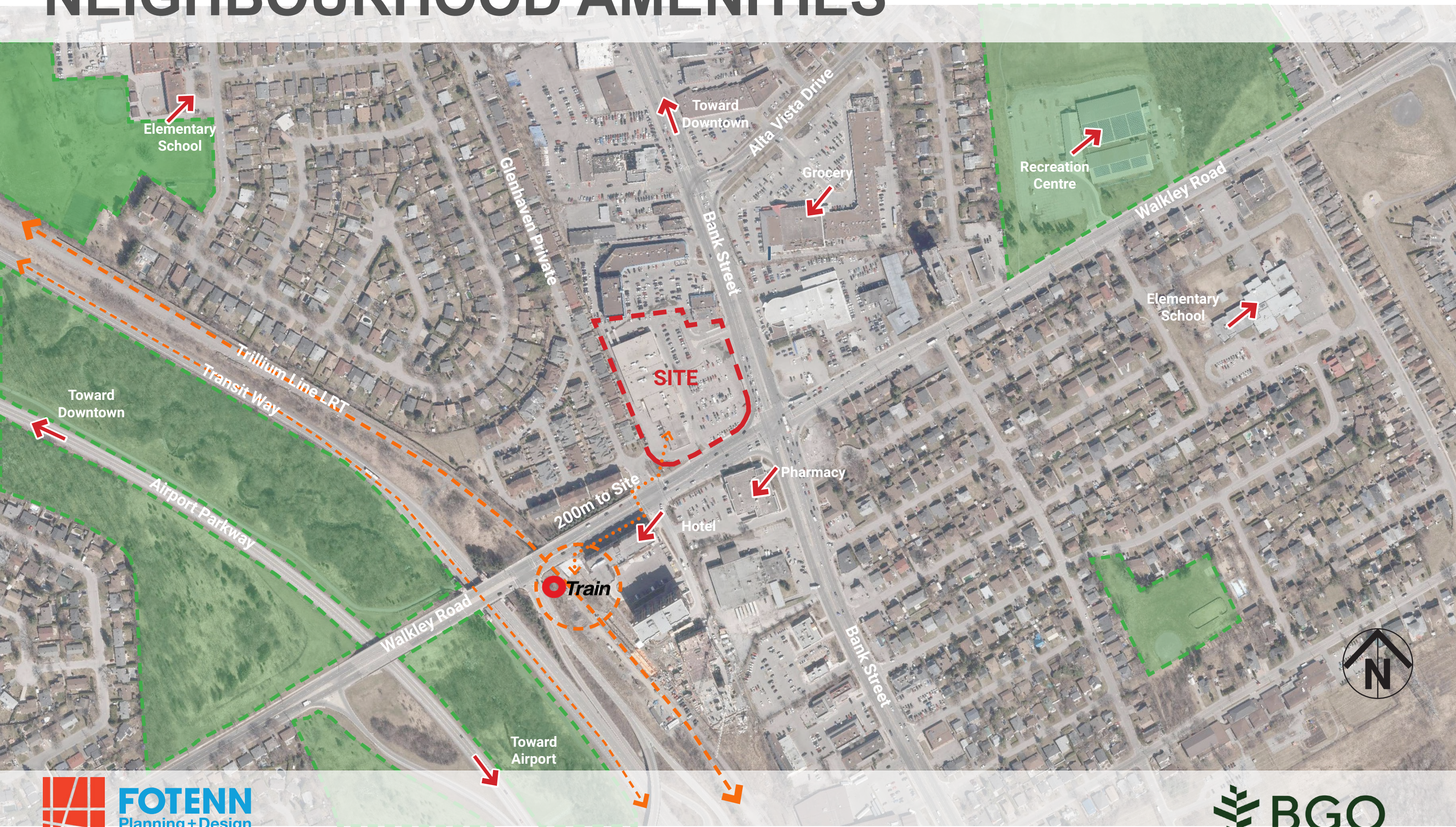


MAP KEY

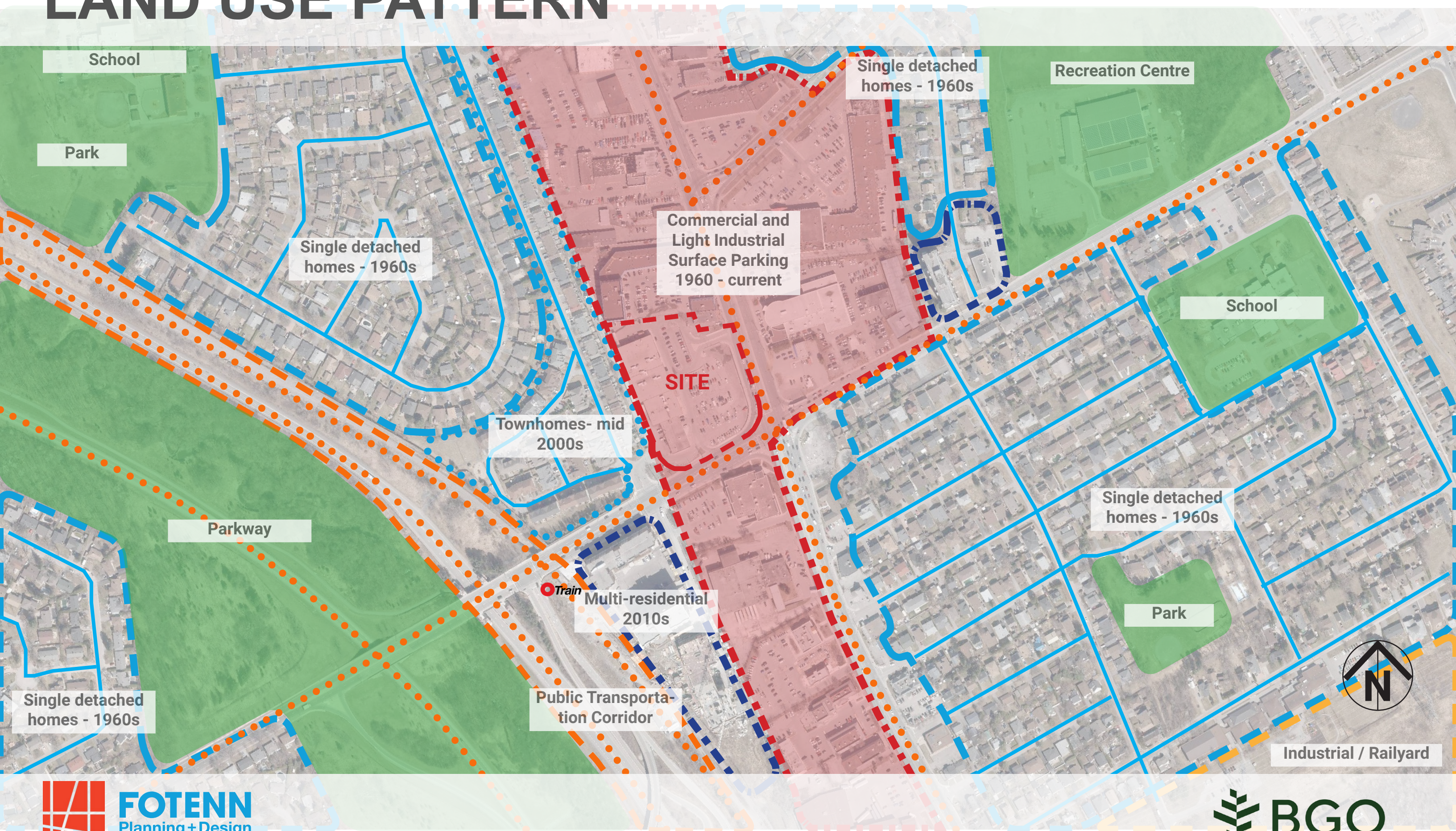
- PLACE
- POINT OF INTEREST
- SITE LOCATION
- RAPID TRANSIT
- MAJOR ROAD
- HIGHWAY



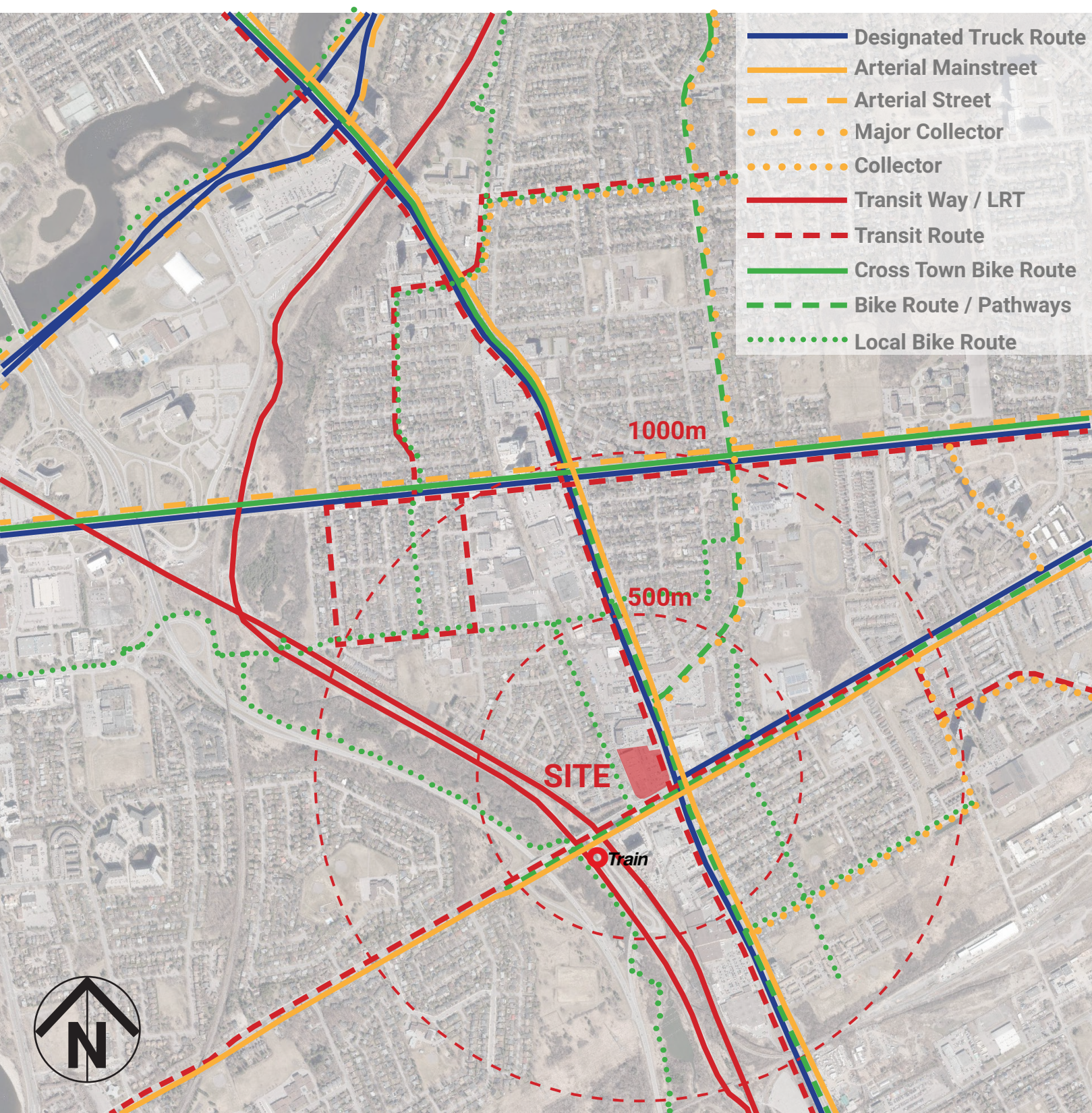
NEIGHBOURHOOD AMENITIES



LAND USE PATTERN

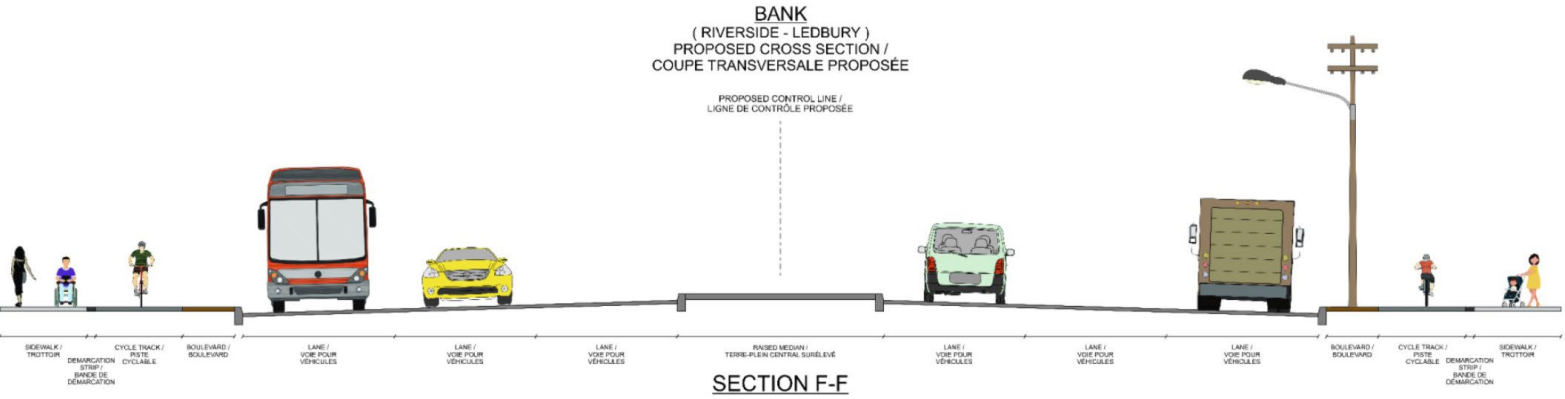


TRANSPORTATION

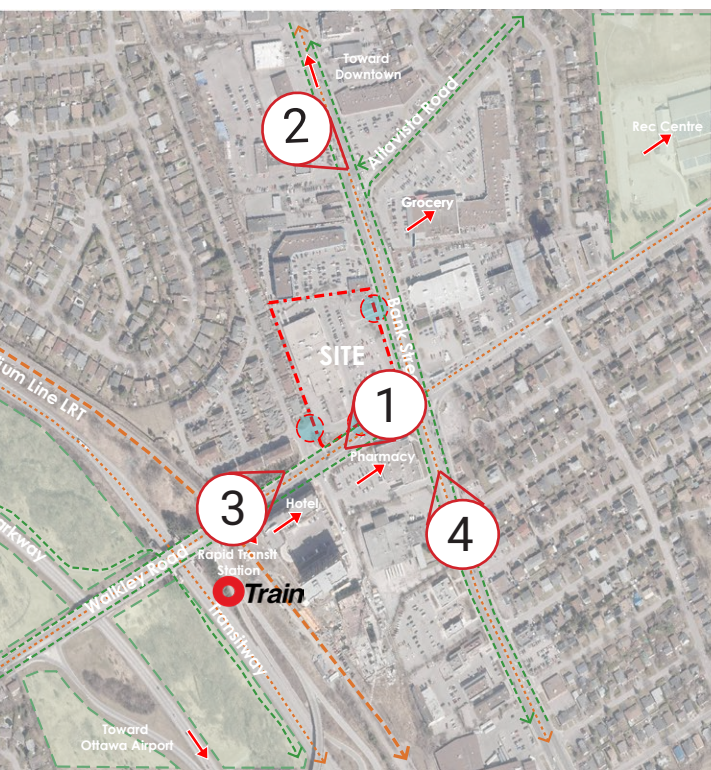


Bank Street Renewal Project - Phase 2

- Proposed Start ~2028
- New below grade services
- Road section redesign to Complete Street standard with Protected Intersections
- New Active Transportation Infrastructure



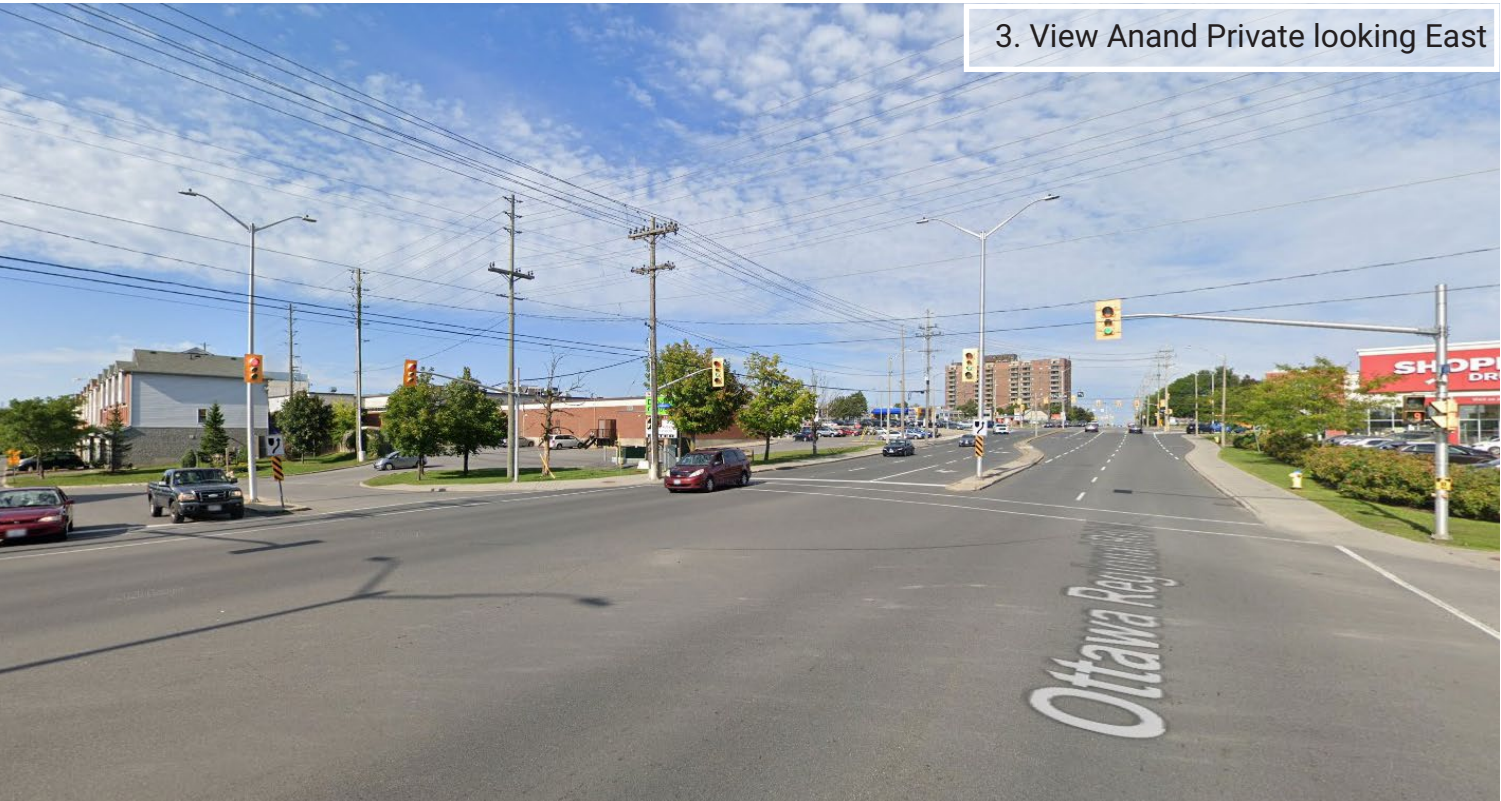
IMAGES OF THE SURROUNDING AREA



1. View from Walkley toward Anand Private



2. View toward southeast corner of Alta Vista



3. View Anand Private looking East



4. View on Bank Street looking North

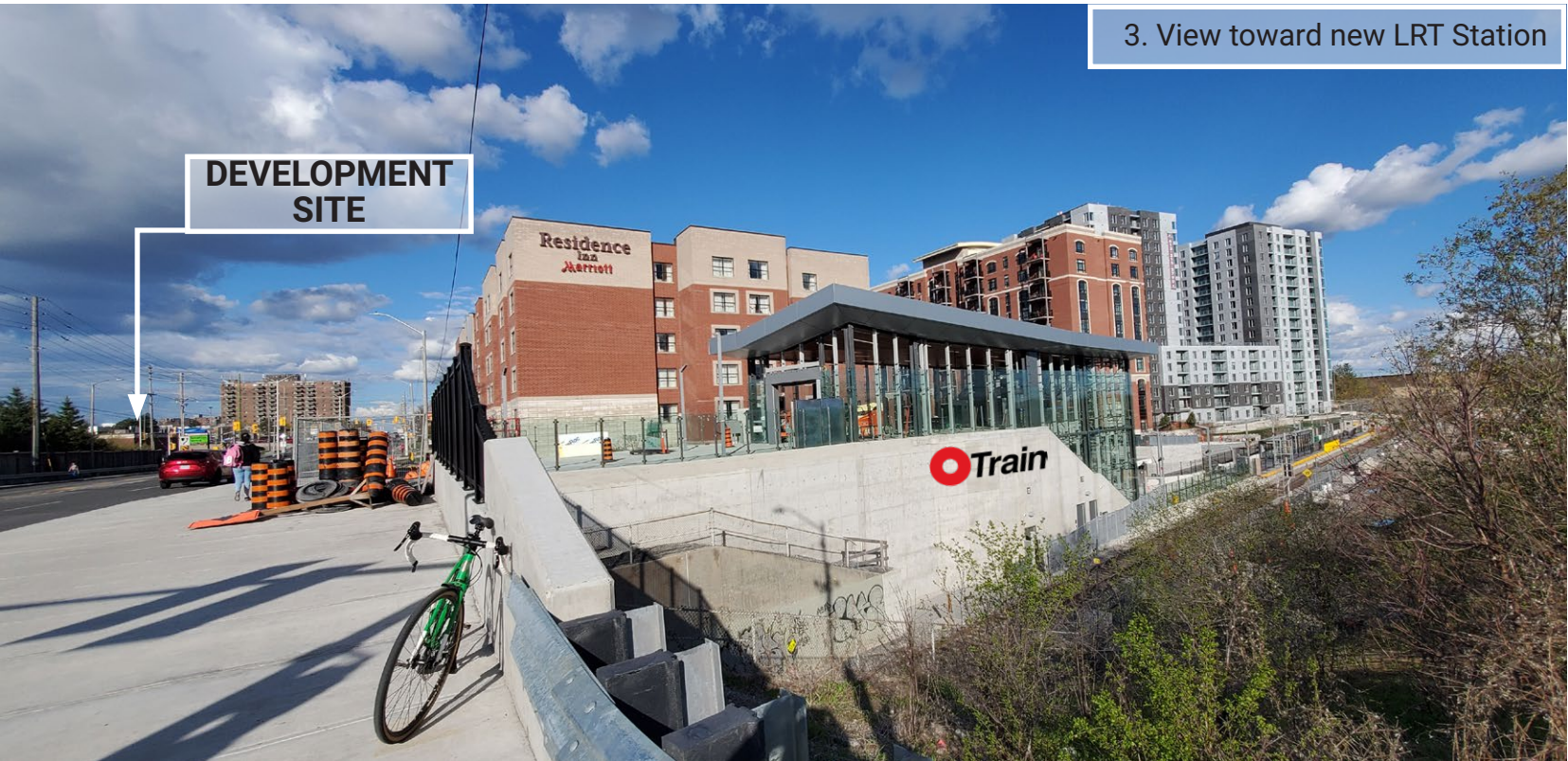
IMAGES OF THE SURROUNDING AREA



1. View toward Glenhaven Private



2. Lowrise Neighbourhood to north east

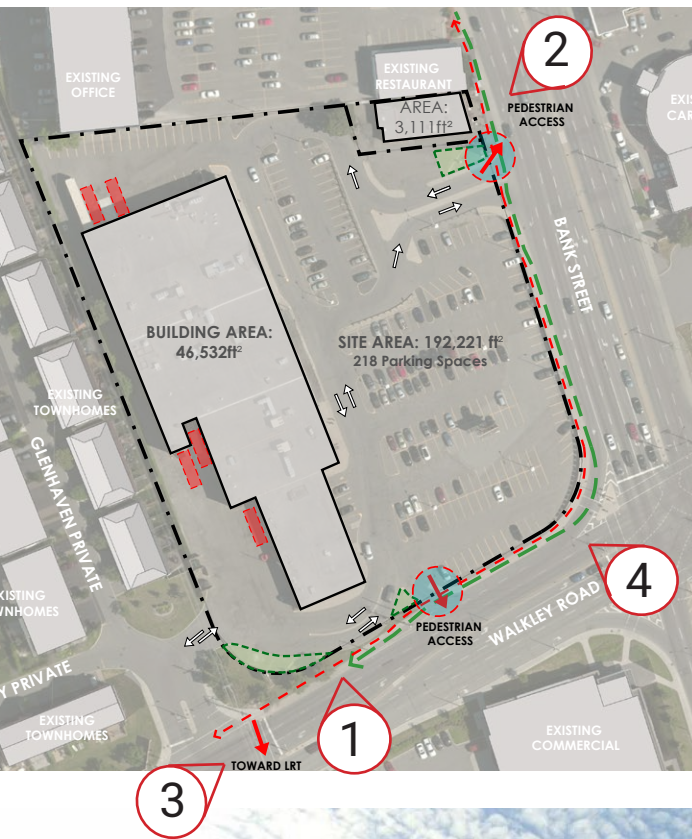


3. View toward new LRT Station



4. View looking north on the Airport Parkway

IMAGES TOWARD THE SITE



1. View from west on Walkley near LRT entrance



2. View from Bank and Walkley



3. View from LRT Entrance



4. View from Bank and Walkley

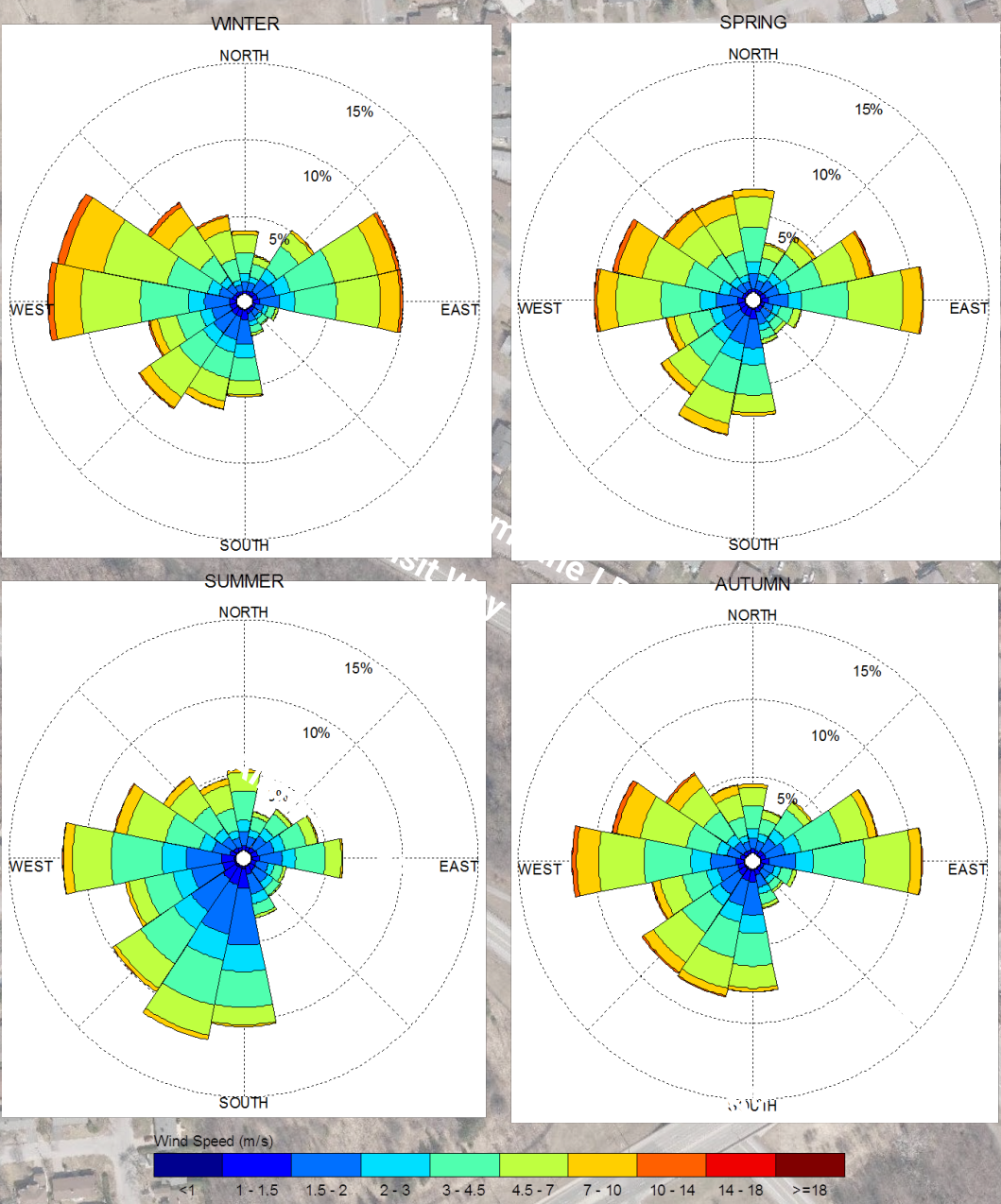
EXISTING CONDITIONS



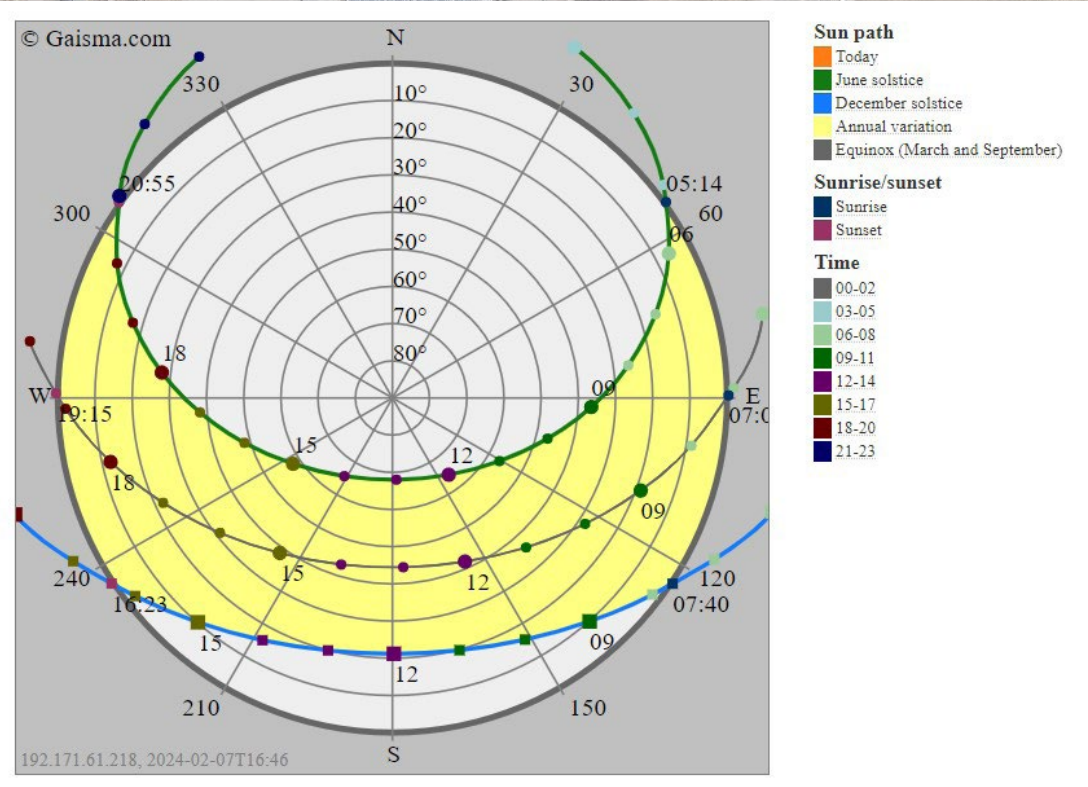
SITE MICRO CLIMATE

PREVAILING WINDS

MACDONALD-CARTIER INTERNATIONAL AIRPORT, OTTAWA, ONTARIO



SUN PATH



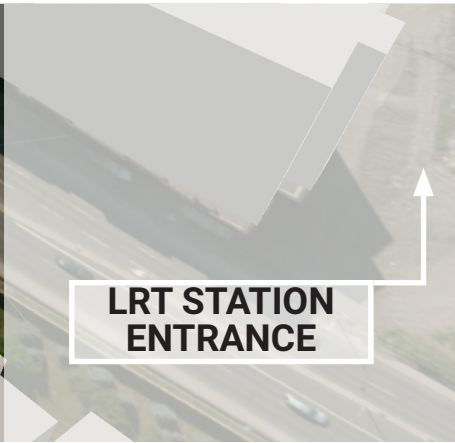
SOLAR ENERGY

Ottawa, Canada - Solar energy and surface meteorology												
Variable	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Insolation, kWh/m²/day	1.48	2.37	3.49	4.42	5.08	5.6	5.57	4.86	3.6	2.29	1.48	1.23
Clearness, 0 - 1	0.45	0.49	0.5	0.48	0.47	0.49	0.5	0.5	0.46	0.41	0.4	0.43
Temperature, °C	-10.69	-9.35	-3.74	4.81	12.71	18.43	20.97	19.77	15.07	7.8	0.81	-6.8
Wind speed, m/s	4.4	4.28	4.44	4.34	4.21	4.14	3.75	3.78	4.15	4.27	4.46	4.41
Precipitation, mm	59	58	62	65	73	83	88	86	80	71	84	82
Wet days, d	14.2	11.5	11.4	11	12.1	12.2	11.4	11.3	12	12.2	14.3	15.5

DESIGN PROPOSAL



PROPOSED MASSING



CONCEPT PLAN



TOTAL GROSS:	1,120,025 sq.ft.
TOTAL NET :	894,613 sq.ft.
TOTAL UNITS:	+/- 1,426
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BUILDING 1 (24 Storeys - Residential)	
CGA:	204,039 sq.ft.
GLA:	+/- 164,303 sq.ft.
UNITS:	+/- 262 units
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BUILDING 2 (39 Storeys - Mixed-Use)	
CGA:	332,232 sq.ft.
GLA:	+/- 269,172 sq.ft.
UNITS:	+/- 430 units
<hr/>	
BUILDING 3 (33 Storeys - Mixed-Use)	
CGA:	273,954 sq.ft.
GLA:	+/- 225,791 sq.ft.
UNITS:	+/- 361 units
<hr/>	
BUILDING 4 (33 Storeys - Mixed Use)	
CGA:	309,800 sq.ft.
GLA:	+/- 235,347 sq.ft.
UNITS:	+/- 373 units

COMPARISON



Existing Conditions
Building Area: 46,532 sq.ft.
Number of Homes near Transit: Zero
Surface Parking Spaces: 218
Public Realm: Zero
Total Green Area: 1.4% of Site Area (2,650 sq.ft.)



Proposed Development Options
Building Area: 57,800 sq.ft
Gross Area: 1.120M sq.ft.
Number of Homes near Transit: 1,426
Surface Parking Spaces: 20 + below grade parking
Open Space*: 10% of Site Area (15,252 sq.ft.) plus POPS
Total Green Area*: 23.3% of Site Area (43,421 sq.ft.)

*excluding green roofs; open space opportunity program to be determined

BGO PRECEDENT PROJECTS



HOBIN PRECEDENT PROJECTS



CITY PARK DRIVE REDEVELOPMENT (RIOCAN)



LANDSDOWNE PARK - THE RIDEAU



1640 CARLING AVENUE REDEVELOPMENT (RIOCAN)

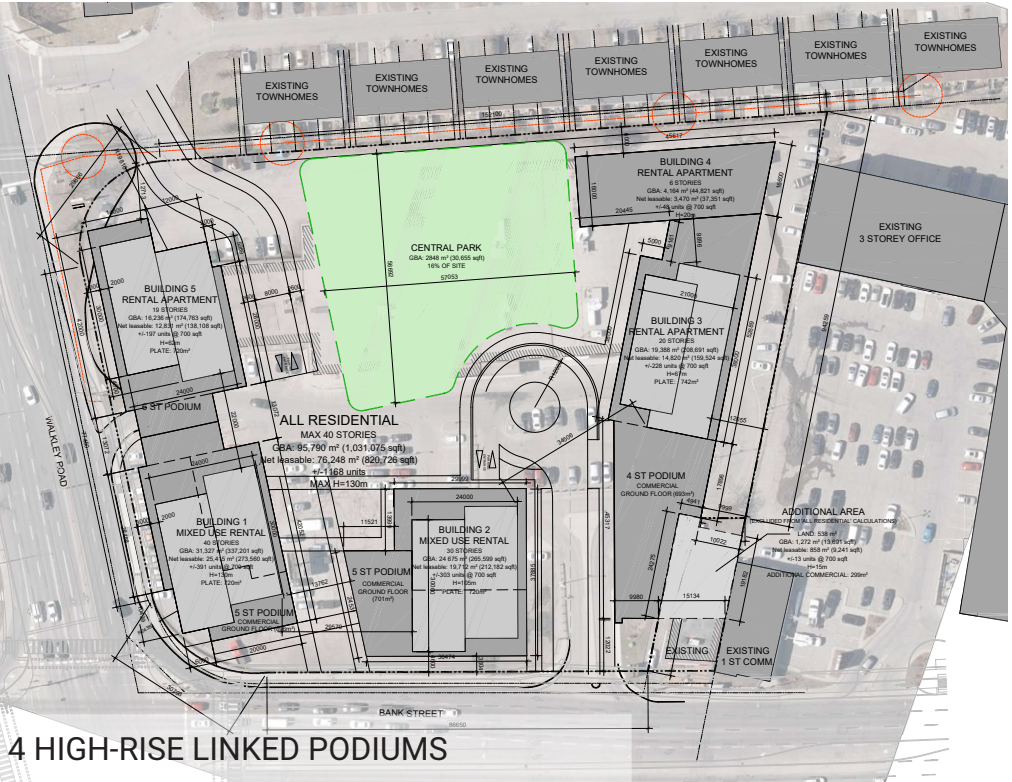
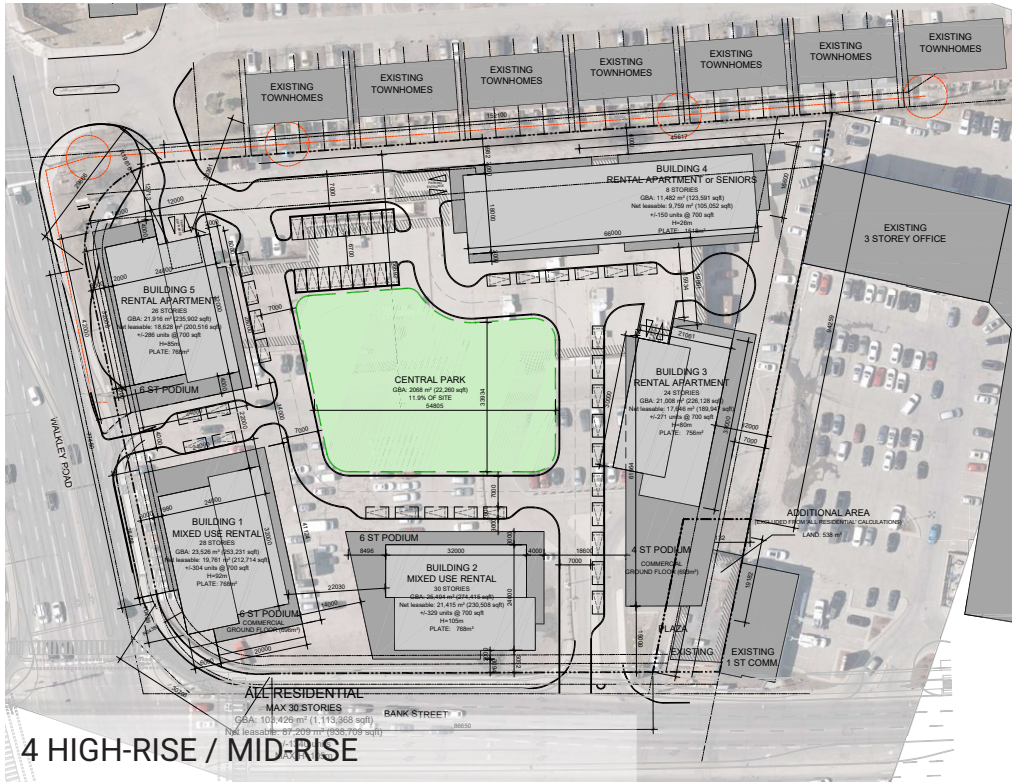


GLADSTONE AND LORETTA REDEVELOPMENT



LANDSDOWNE PARK - THE VIBE

ALTERNATIVE OPTIONS EXPLORED



KEY DESIGN NARRATIVES

BUILDING FORM - PODIUMS AND
TOWERS

PLACEMAKING

BUILDING EDGES

INTERIOR STREETS

PATHWAYS TO TRANSIT



HOBIN
ARCHITECTURE

FOTENN
Planning + Design

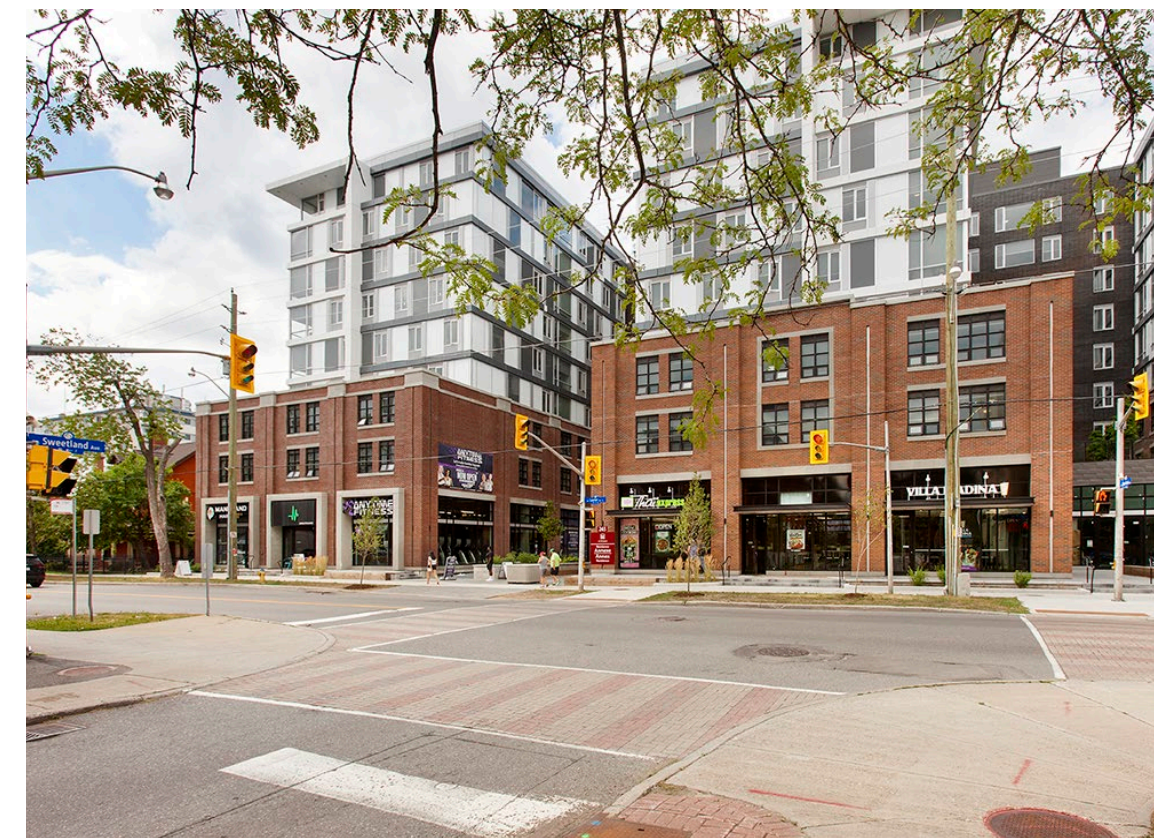
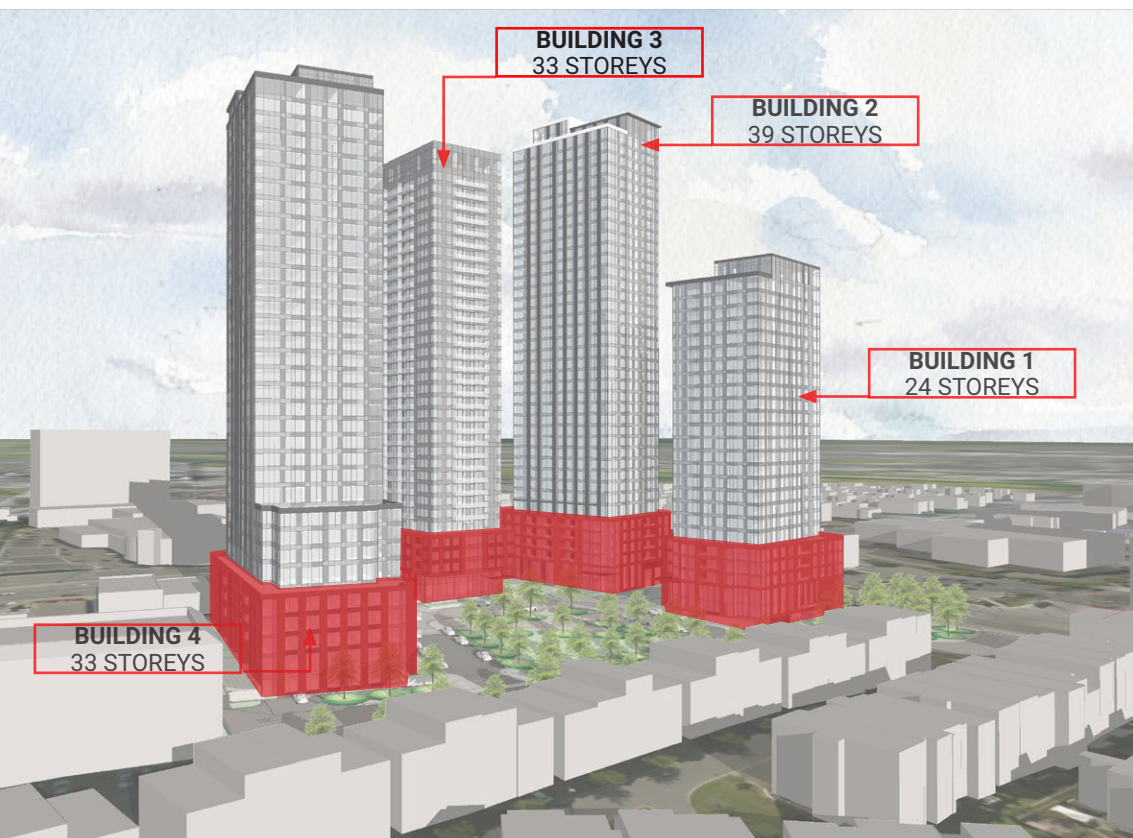
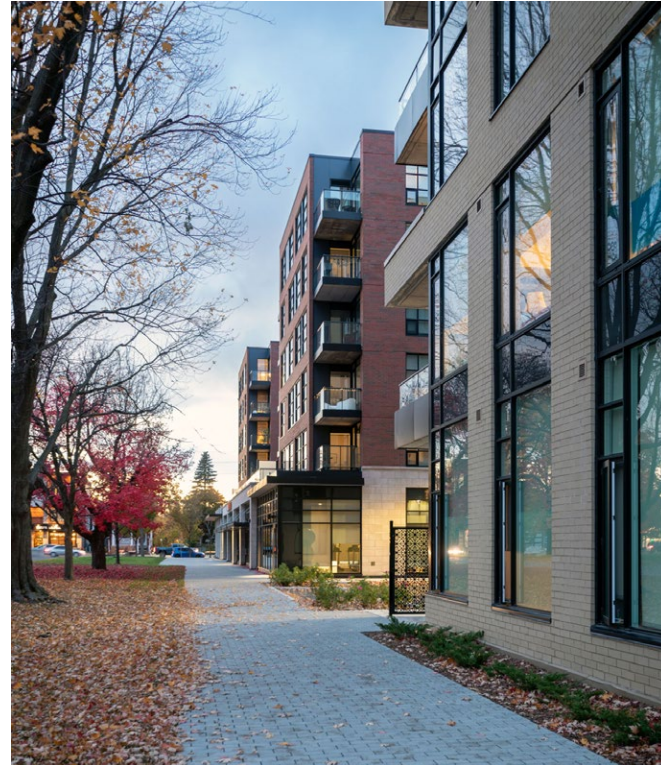
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BUILT FORM - PODIUM AND TOWER

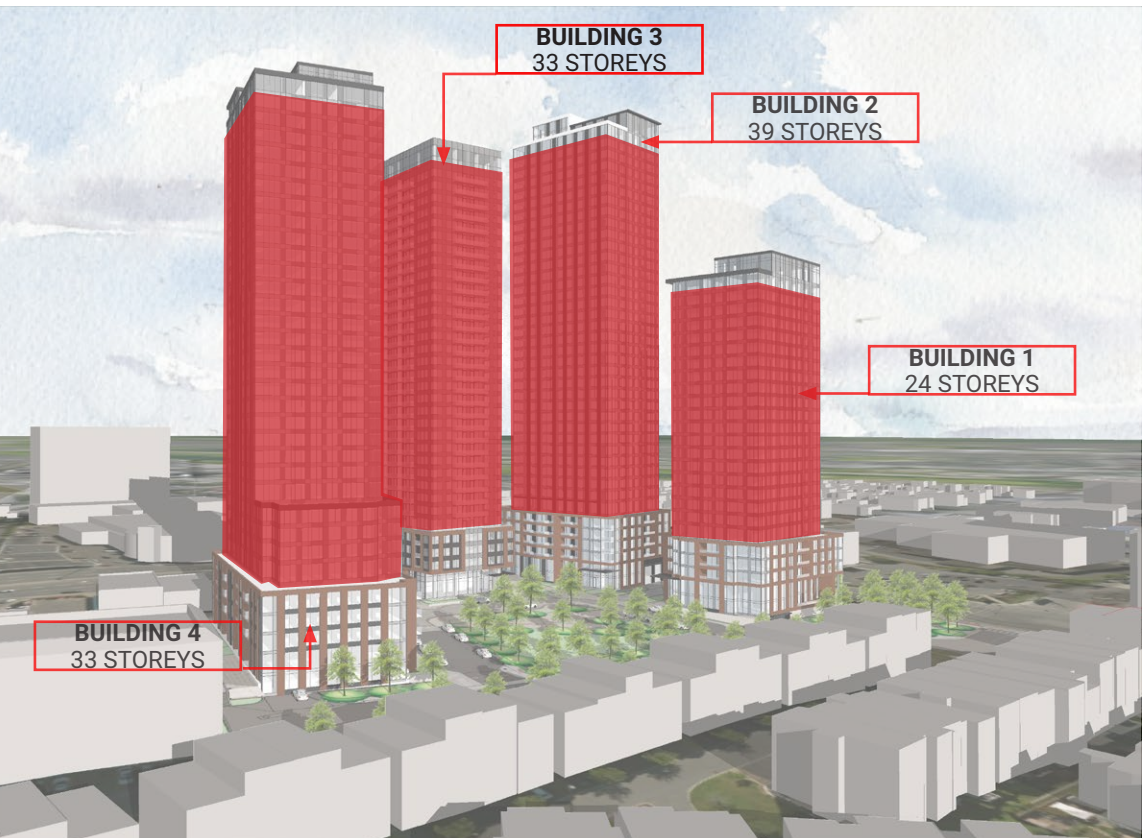
The high-rise built form addresses the three distinct building elements listed in the City's high-rise design guidelines; the ground level edge condition and podium, the main body of the tower and the articulation of the top.

- 1 Street Edge + Podium Condition
- 2 Tower Body
- 3 Top



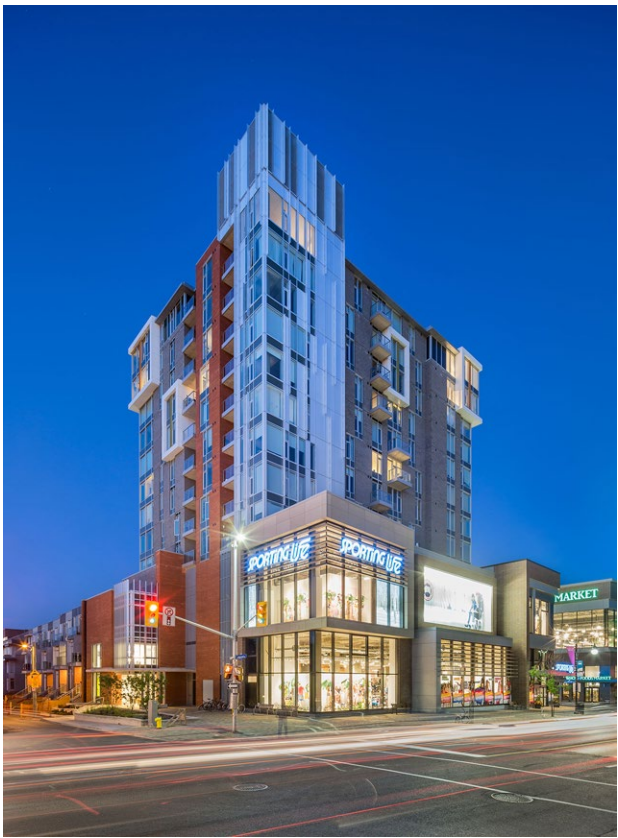
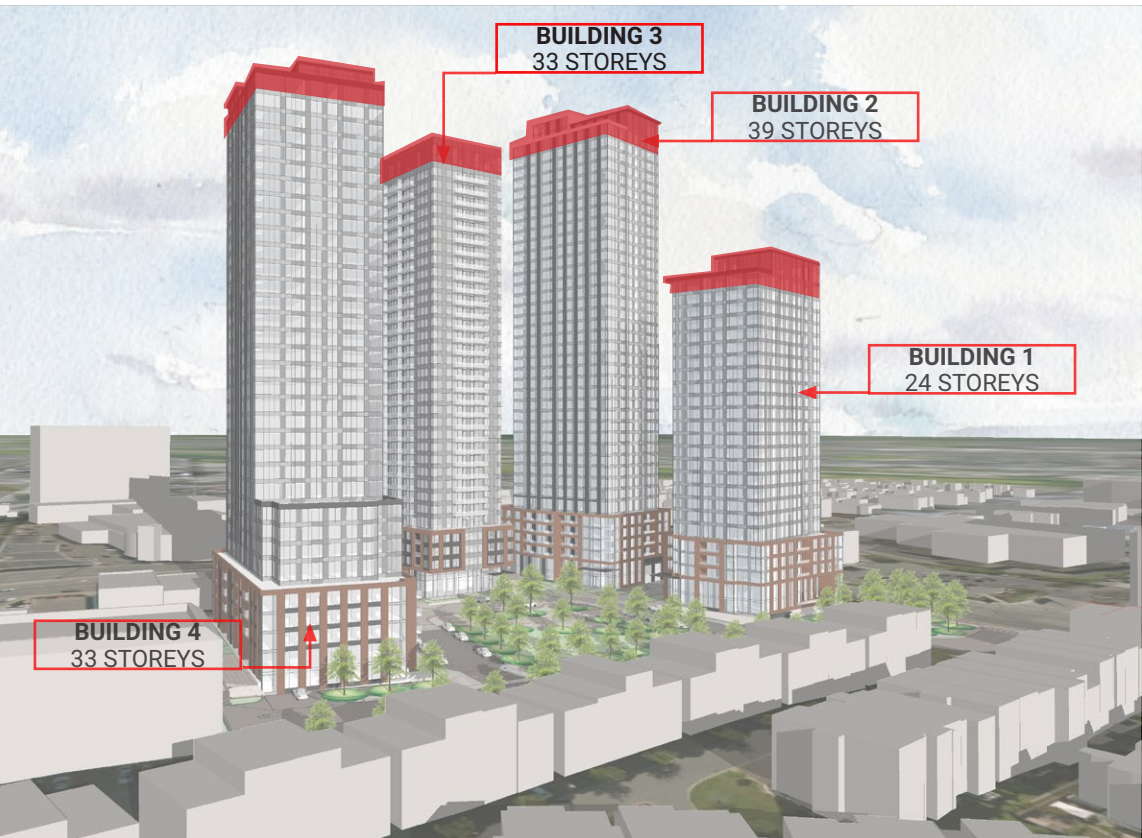
BUILT FORM - PODIUM AND TOWER

- 1 Street Edge + Podium Condition
- 2 Tower Body
- 3 Top



BUILT FORM - PODIUM AND TOWER

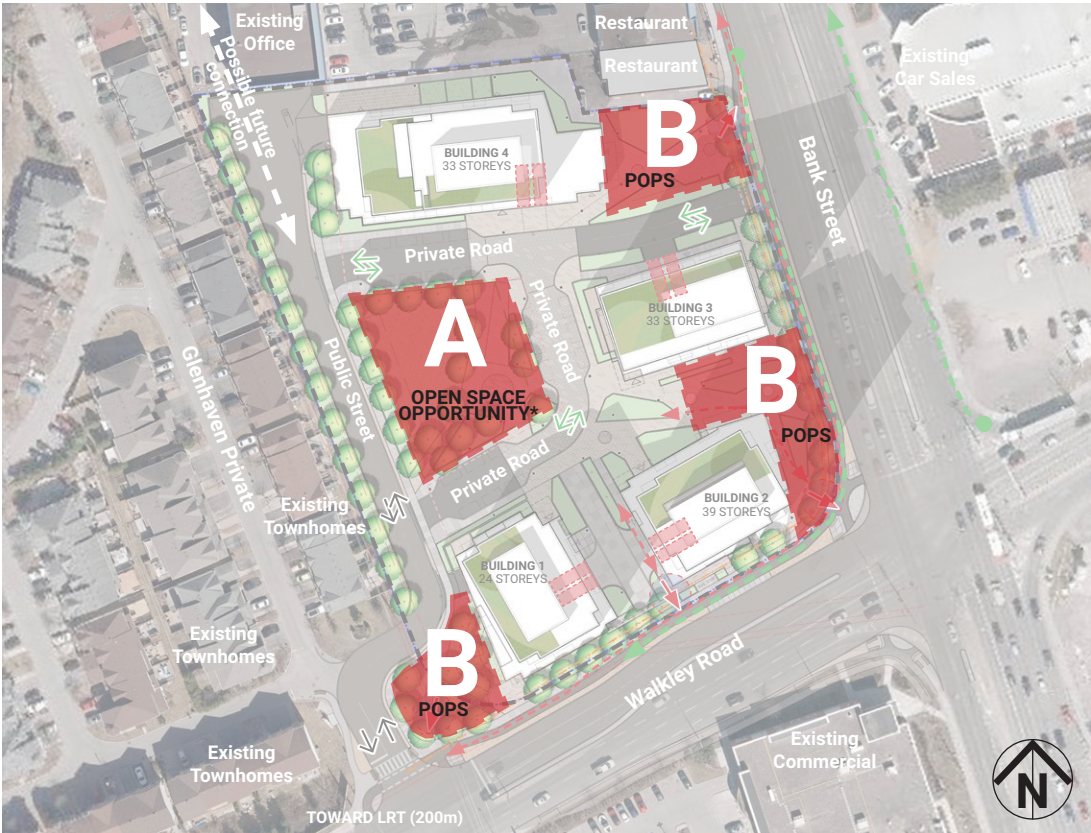
- 1 Street Edge + Podium Condition
- 2 Tower Body
- 3 Top



PLACEMAKING

Open Space

The “backyard” of the site, the “Open Space” is a recreational greenspace consisting of large grass areas and pathways to draw users through the site. Space for playful structures further distinguishing the pathway while providing opportunities for lighting and sound or music, and various seating opportunities. This cheerful space, centrally located, animates the entirety of the site. This space would provide additional animation and amenity to the development and surrounding community.



*Open Space Opportunity TBD



BUILDING EDGES

The design of the building podiums will be to support active use and animation at grade. This will include amenities, lobbies, and small retail spaces where applicable. Design will provide for future flexibility as the street evolves and the need for increased amounts of local retail grows.

- Small Retail or Commercial
- - - Building Active Uses



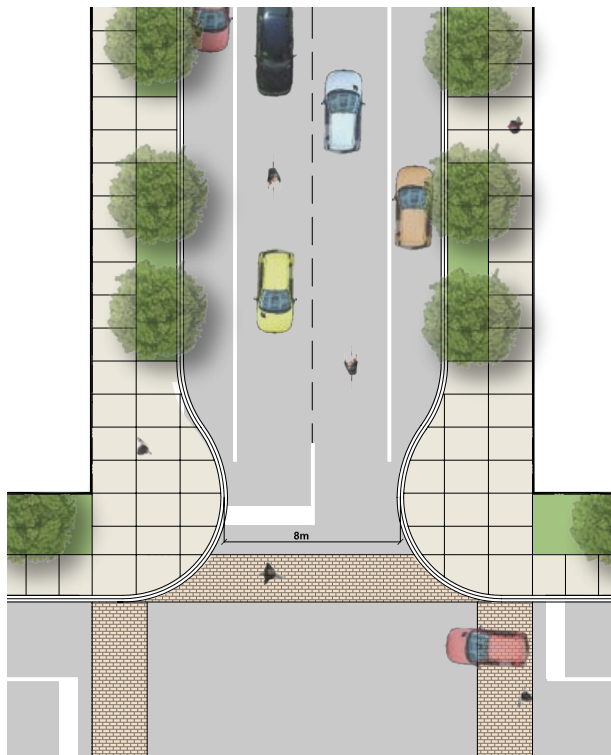
*Open Space Opportunity TBD



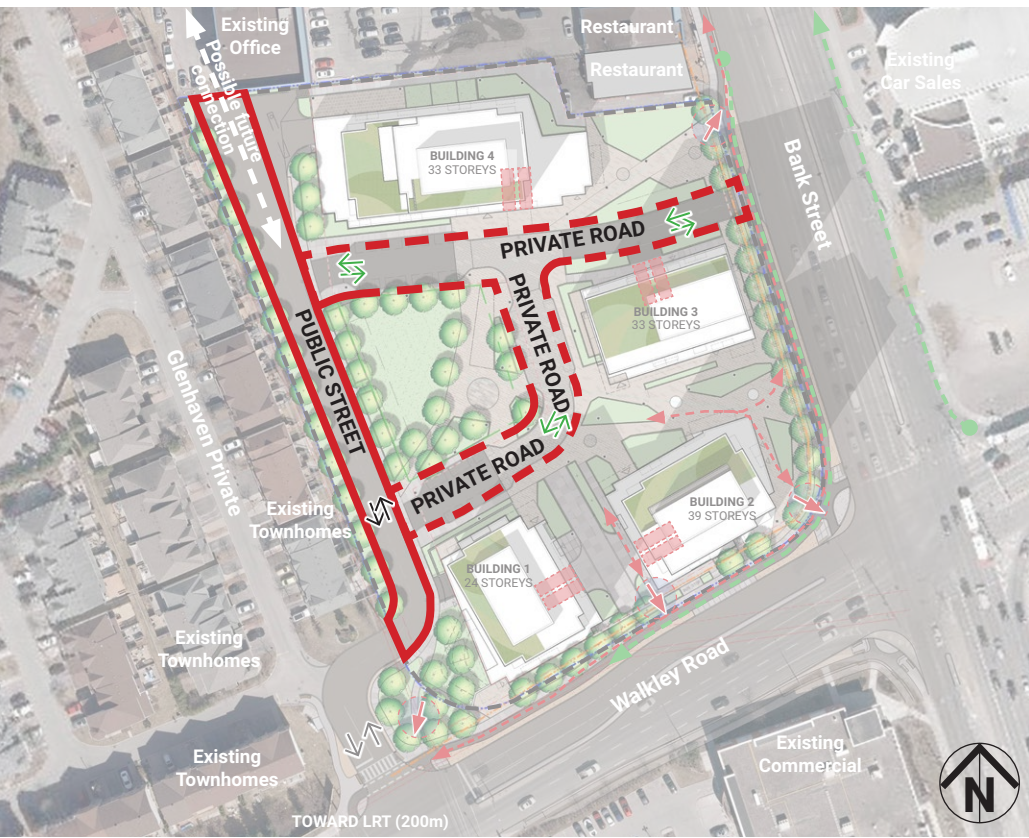
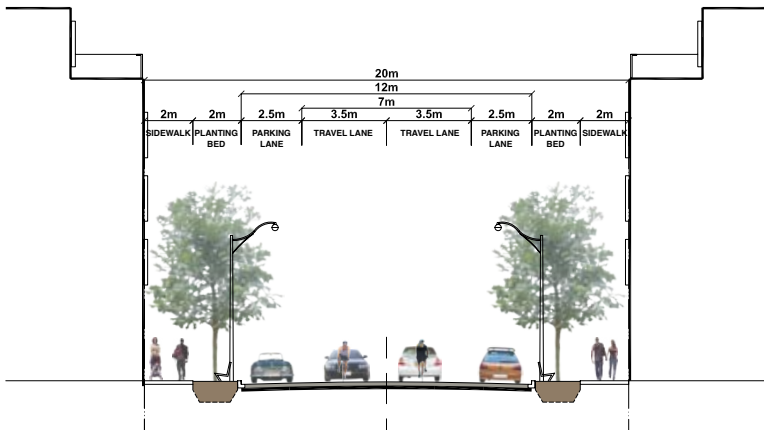
INTERIOR STREETS

Interior Streets

The interior streets, designed to contrast the high volume municipal thoroughfares of Bank Street and Walkley Road provide many functional purposes. The streets separate the park from the Southern and Eastern buildings, and provide at-grade parking and access to below grade parking.



The internal private road is proposed to be 16.5m providing sufficient space for both pedestrians and vehicular traffic to circulate while maintaining a green landscape buffer along the street edges. The new public street will be 18m.



*Open Space Opportunity TBD



PATHWAYS TOWARD TRANSIT

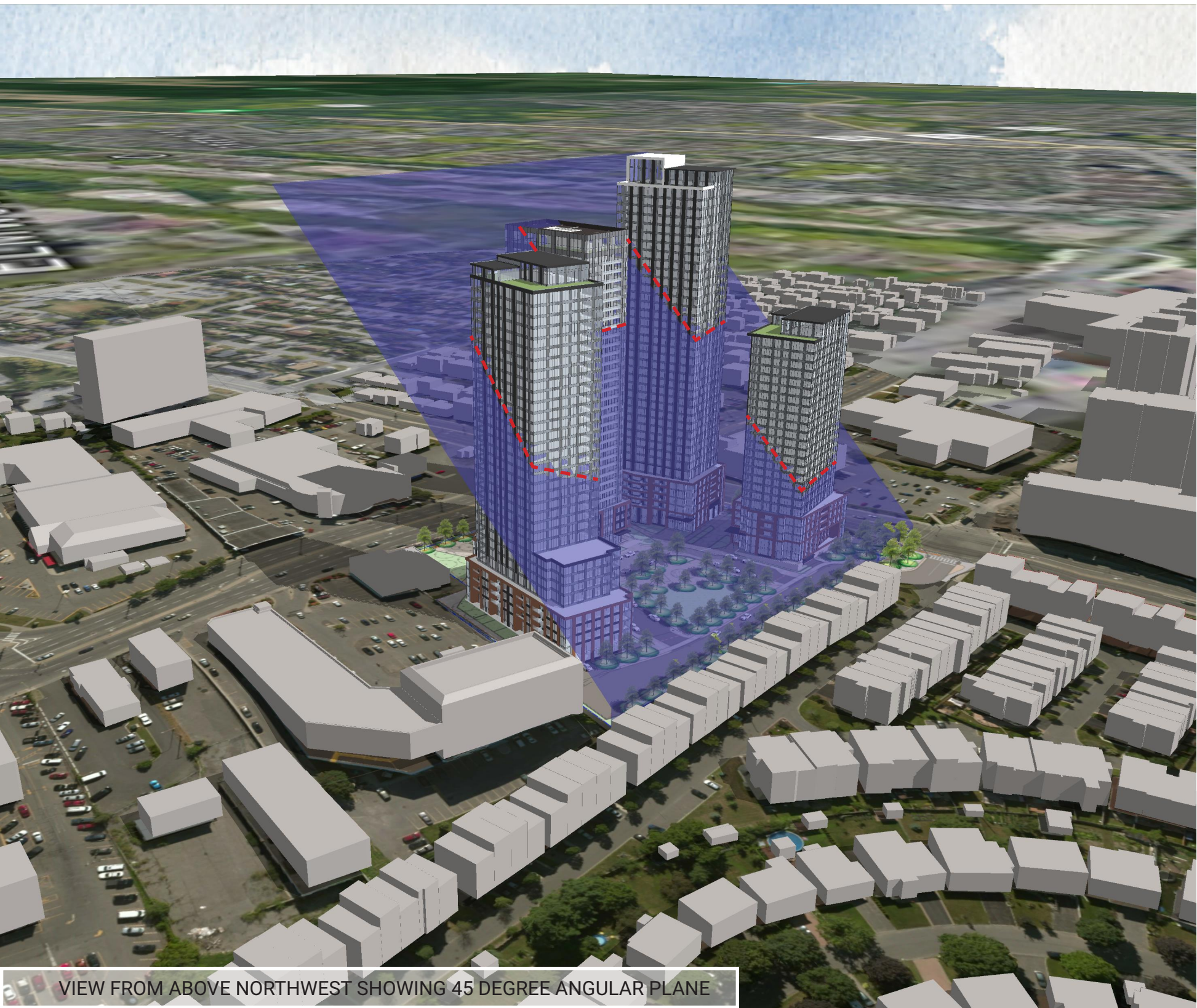
The proposed development provides opportunities for developing desire lines for movement through the site - both for residents and for visitors from the surrounding community. There is a strong desire line toward the Walkley LRT station that asks for a diagonal path from the north east to the south west and bring people into and through the Open Space.



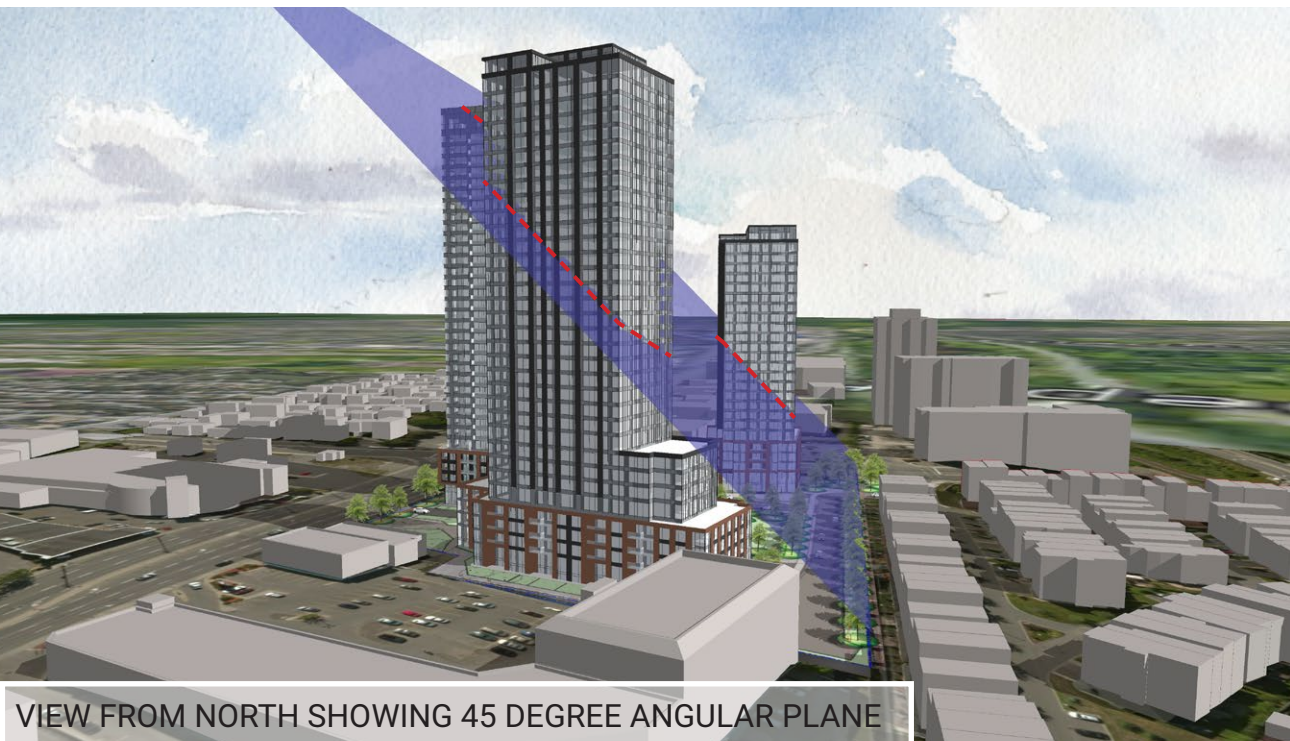
*Open Space Opportunity TBD



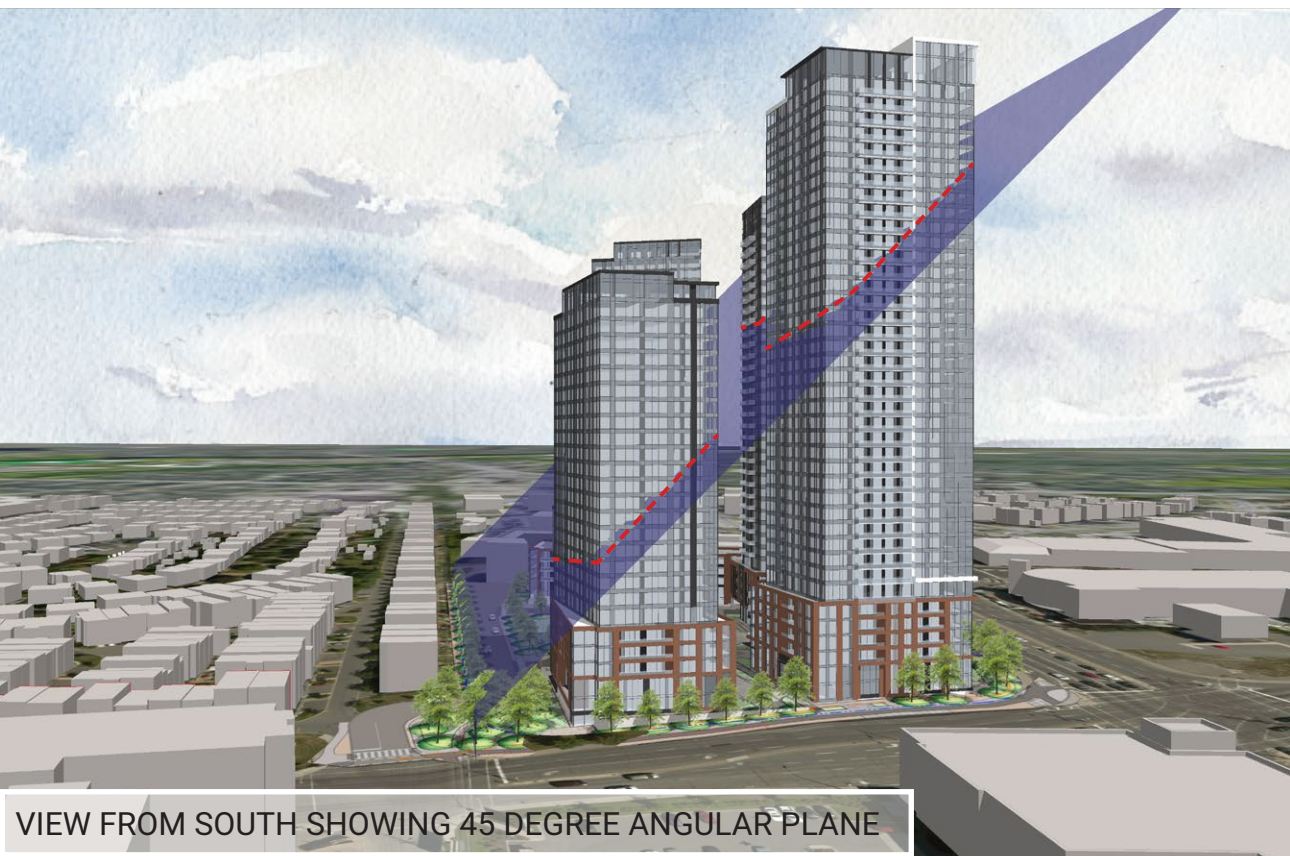
RELATIONSHIP TO ADJACENT NEIGHBOURHOODS



VIEW FROM ABOVE NORTHWEST SHOWING 45 DEGREE ANGULAR PLANE



VIEW FROM NORTH SHOWING 45 DEGREE ANGULAR PLANE



VIEW FROM SOUTH SHOWING 45 DEGREE ANGULAR PLANE

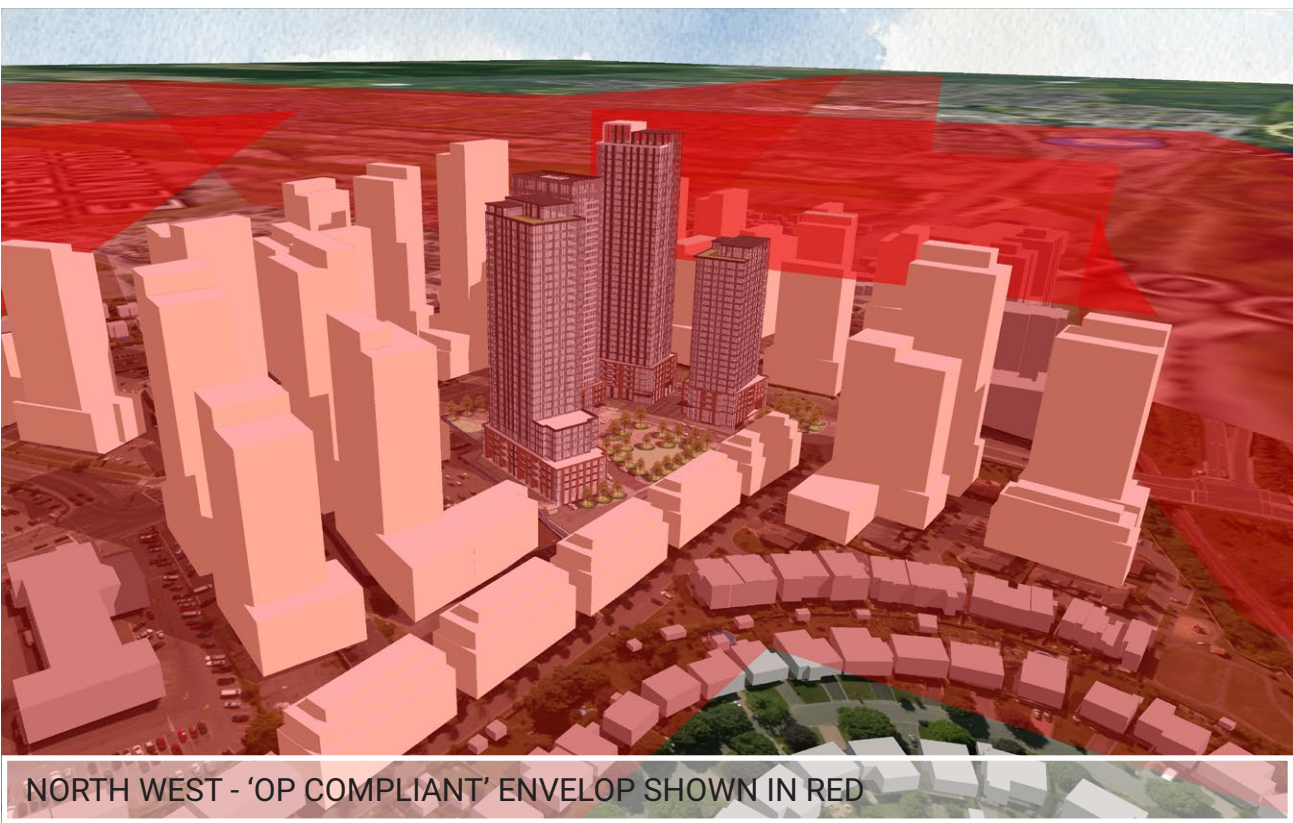
FUTURE DEVELOPMENT POTENTIAL



NORTH WEST - PROPOSED WITH FUTURE 'OP COMPLIANT' DEVELOPMENT



NORTH WEST - PROPOSED IN EXISTING CONDITIONS

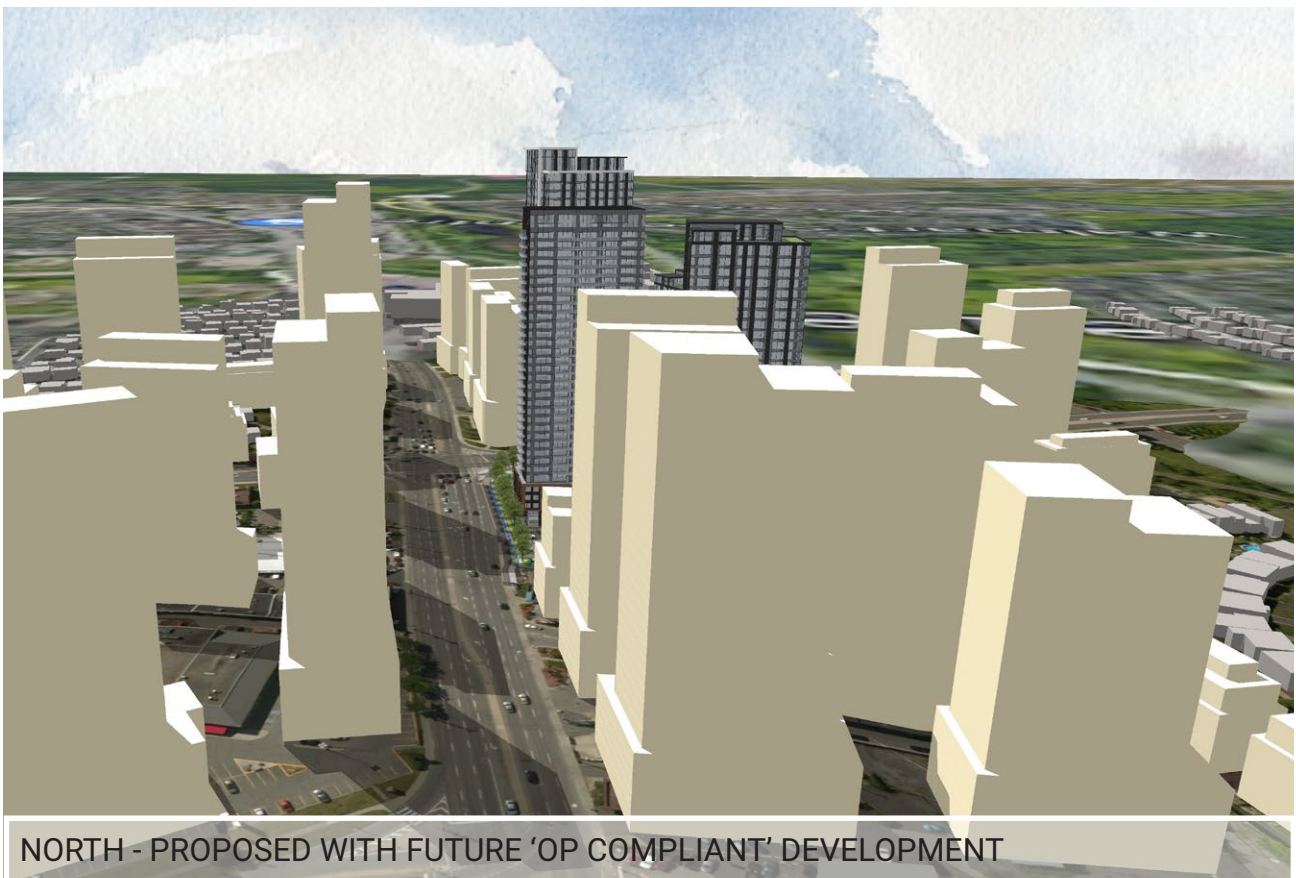


NORTH WEST - 'OP COMPLIANT' ENVELOP SHOWN IN RED

FUTURE DEVELOPMENT POTENTIAL



SOUTH EAST - PROPOSED WITH FUTURE 'OP COMPLIANT' DEVELOPMENT



NORTH - PROPOSED WITH FUTURE 'OP COMPLIANT' DEVELOPMENT



SOUTH WEST - PROPOSED WITH FUTURE 'OP COMPLIANT' DEVELOPMENT

SUSTAINABILITY APPROACH

BGO JOINED THE NET ZERO ASSET MANAGERS INITIATIVE

In 2021, BGO joined the Net Zero Asset Managers (NZAM) initiative, committing to support the goal of net zero greenhouse gas (GHG) emissions by 2050 or sooner.¹

BGO'S FIRM-LEVEL NET ZERO 2030 INTERIM TARGETS²

Scope 1 & 2 GHG emissions (fuel and electricity for corporate offices)

- **72.6% reduction** in GHG emissions intensity

Scope 3 emissions (including indirect GHG emissions, including our financial emissions)

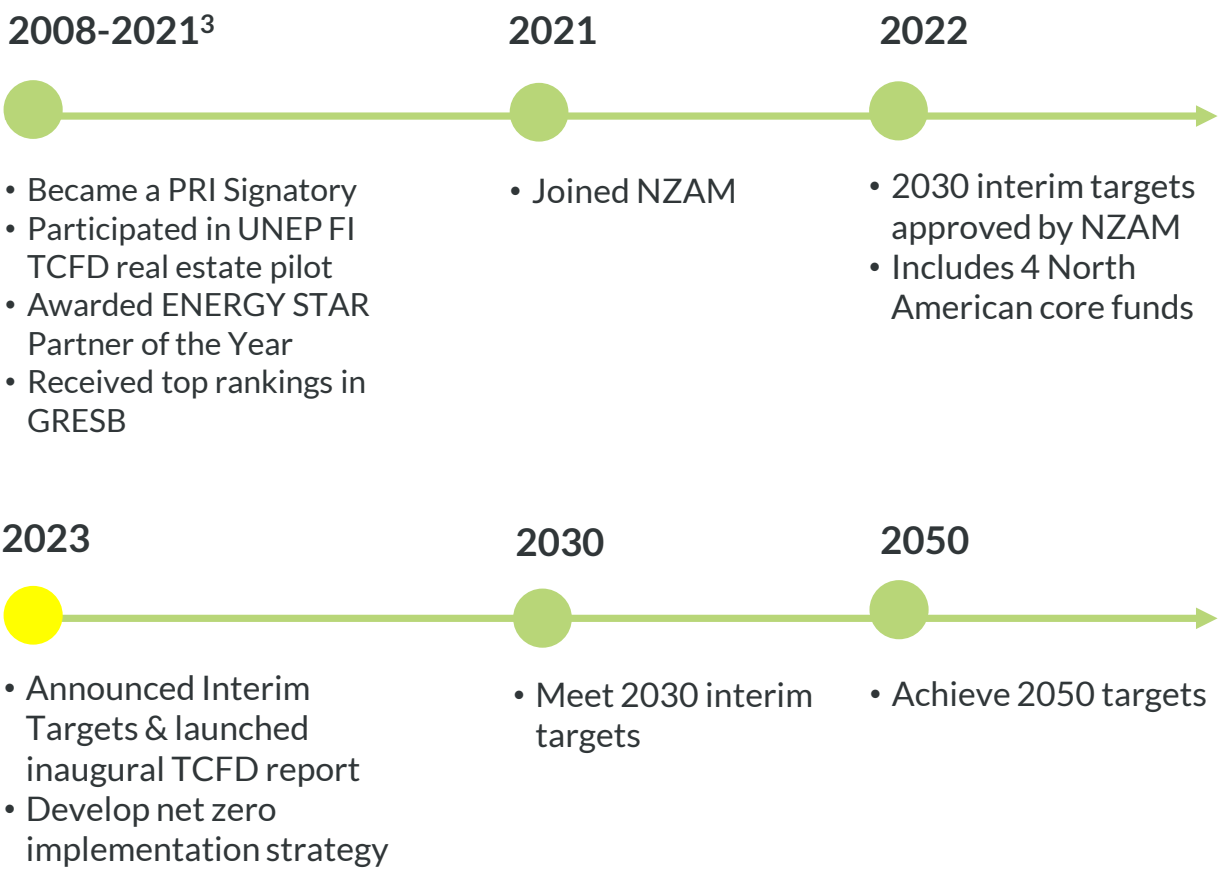
- **50% reduction** in GHG emissions intensity for multi-family residential buildings
- **57% reduction** in GHG emissions intensity for commercial buildings

¹ The Net Zero Asset Managers ("NAZM") initiative is an international group of asset managers committed to supporting the goal of net zero greenhouse gas emissions by 2050 or sooner, in line with global efforts to limit warming to 1.5 degrees Celsius; and to supporting investing aligned with net zero emissions by 2050 or sooner. As a signatory to the NAZM initiative, BGO has pledged to work in partnership with asset owner clients on decarbonisation goals, consistent with an ambition to reach net zero emissions by 2050 or sooner across all assets under management. More information is available at <https://www.netzeroassetmanagers.org>.

² vs. 2019 Baseline. Scope 1 emissions are direct emissions that originate at asset managed properties. These include natural gas and fuel oil consumption for space heating, water heating and, in some cases, cooking. Emissions resulting from refrigerants used on-site are outside of the reporting scope. Scope 2 emissions are indirect emissions from purchased electricity, steam and chilled water that is consumed at asset managed properties but generated elsewhere. Emissions from sub-metered tenant consumption are outside of BGO's organizational boundary and are therefore not included as Scope 2 emissions. Scope 3 emissions are reported for water consumption, waste generation, and tenant sub-metered energy consumption at properties. While sub-metered tenant consumption is the responsibility of tenants, it is reported as Scope 3 (other indirect emissions) for completeness and comparability of overall emissions to historical years where submeter-based billing was not present. Environmental performance (greenhouse gas emissions, energy, water, waste, and green building certifications) data for BGO's global debt series and mortgage investments, European and Asian Core Plus and Value-Add strategies, Asian and European separate accounts, and Asian debt series has been excluded. BGO continues to expand the environmental performance data collection process globally and implementing a consistent data collection approach across the firm. The environmental performance data reported excludes the greenhouse gas emissions, energy, water, waste data associated with tenant-paid invoices.

³ Learn more about BentallGreenOak's awards here: <https://www.bentallgreenoak.com/sustainable-investing.php>

BGO PATH TO NET ZERO



RESPONSE TO URBAN DESIGN COMMENTS

NOTE FROM THE APPLICANT: The Urban Design comments will be evaluated in consultation with feedback from all stakeholders, and on completion of a detailed due diligence program; which are both in progress. We will provide a more detailed reply following.

34. The following elements of the preliminary design are appreciated:

- a. Mixed uses along Bank Street and residential use on Walkley and in the interior of the site.
- b. Consideration of place-making for future residents of the development through the provision of parks and POPS.
- c. Potential pedestrian porosity of the site.
- d. Public and private streets within the site to organize access to buildings.

Applicant: Noted. Thanks.

35. The following elements of the preliminary design are of concern/unconvincing:

- e. The overall appearance of being an enclave and lack of connectivity with the rest of the broader community (particularly the lack of consideration of the planned context).

Applicant: We feel that creation of a sense of immediate community and a focal point is essential to the success of the project. In their current forms, both Bank St. and Walkley are relatively hostile roads – high traffic volume and low-quality public realm. While the proposed Bank Street Reconstruction will improve the public realm to a degree, there is a necessity for creating an open space that is separated from, at a fine scale/grain, and more landscaped than is possible on Bank or Walkley. The idea of the ‘central green space’ seeks to achieve this by making a second frontage that breaks from the busy-ness of the two major arteries. We feel that to ensure that this is not an enclave, the inclusion of a public right of way accessing this green space and through the site is important. Likewise, the recognition of desire lines through the site to access transit is enshrined in the design. Further multiple points of views inward and pedestrian porosity into the central space are provided from Bank and Walkley. These serve to invite pedestrians into the site – breaking down any sense of enclave.

- f. The lack of street connectivity with the future development north of the site, which is a requirement of the Secondary Plan.

Applicant: The design team is reviewing options for providing the possibility of future connectivity to the north.

- g. The complicated, irregular, and potentially unsafe design at Walkley, Glenhaven, West Valley, and the proposed new public street intersection. The new public street makes a sharp turn within a short distance from an existing complicated intersection. The condition is further complicated by the location of the loading and parking ramp of Building 5.

Applicant: The primary issue with the Glenhaven, West Valley and new street intersection is the length of the throat to Walkley Road. Our traffic engineers are reviewing options for improvements to the design of the intersection to address existing and new traffic volumes.

- h. The proposed loading spaces between Buildings 1 and 2 and Buildings 1 and 5, which can potentially compromise pedestrian experience.

Applicant: Noted. We are currently early in the design stages of the project, focusing currently on massing and building location level issues. As of currently, the final locations of loading spaces are still under review within the design team as a whole; taking into account priorities related to serviceability, phasing, pedestrian safety, and open space impacts.

- i. Building 3 –
 - Although the stepping of the building is appreciated, the overall floor plate of the building above podium appears to be massive.
 - The 10m setback of the high-rise portion to the property line to the north is too small which will compromise development potential on the abutting lot and quality of life for all.

Applicant: This will be explored further as the design is developed.

- j. Building 5 –

- There is a lack of transition to the adjacent low-rise residential area. The provision of a 25m separation is insufficient for providing effective transition between a 30-storey tower and the 3-storey town homes.

Applicant: This relationship reflects the tension between the OP recognized heights and target density and previous development in areas adjacent to major transit stations and Mainstreet corridors

- The tower and the six-storey podium, located south of the proposed park, will cast wide and long shadows in the new park.

Applicant: Please refer to the shadow studies included in the UDRP submission. The angle of the grid and the location of the park near the west property line favours sunlight in the park in the afternoon throughout the year.

- k. The park
 - Surrounded by roads on all four sides and residential fencing on the west side, the quality and experience of the park remain unconvincing.
 - There is very limited visibility from either Bank Street or Walkley Road.

Applicant: We are only proposing a public road on the north and west side of the park. This responds to the City requirements that all new parks abut a public road. The Private Road on the south and east side are intended to serve only for the requires of loading / drop off and will not carry significant vehicle traffic. These will be designed as low-speed, pedestrian priority spaces (woonerf or living street) – effectively an extension of the hard landscaping from the proposed building faces to the greenspace.

Preliminary Suggestions (site plan, public realm, and built form)

37. It is crucially important to explore and study block plan for the northwest quadrant of Bank and Walkley following directions of the Secondary Plan. A realistic block plan can offer clarity and provide guidance to the design of this site, including street and pathway connections, provision of parks and open spaces, and managing

RESPONSE TO URBAN DESIGN COMMENTS

relationship between neighbouring sites. Such a block plan can serve as a basis for the creation of a plan of subdivision. The attached diagrams illustrate how such a block plan may look like. Please note urban design is not recommending any of these block plan options. The purpose of these diagrams is to simply demonstrate that there may be a range of options and it is necessary to explore block plan options to inform the design of the site.

Applicant: In the UDRP submission deck we have included 'Future Development Potential' massing studies that look at how the blocks to the north may be developed out under the new OP frames and in a pattern that contemplates the extension a street northward to Alta Vista Drive.

38. Design a well-connected neighbourhood that is integrated into the surrounding broader community. While practical merits of being a standalone enclave can be appreciated at this location, perhaps in the near term, future residents and business will benefit when the site is integrated into the future the broader community.

Applicant: Our design recognizes that the neighbourhood is one that will increasingly evolve. Our overall site layout for multiple connections from Bank and Walkley into the site.

39. Design a functional, animated, bright, and visible park with optimal microclimate conditions year-round.

Applicant: Noted. We have brought Ferris + Associates Landscape Architects onto our team to help guide the development of the outdoor hard and soft landscape spaces.

40. Ensure street design is safe and satisfies practical requirements.

Applicant: Noted. Our priorities for the streets (public and private) are to ensure controlled traffic volumes, minimize or eliminate commuter cut through, control speed, and ensure the most inviting pedestrian environment.

41. Ensure effective built form transition, guided by the application of angular planes.

Applicant: Please refer to the angular plane diagrams included in the UDRP submission set. We feel that the proximity to the transit station and future development potential under the OP justifies some elements of the development breaking the 45 degree angular planes. The trade-off the proposed development offers is providing the majority of the western edge as greenspace. This minimizes the number of the existing townhomes impacted by overlook / shadowing.

42. Continue to explore the design of the space between the buildings, particularly Buildings 1 and 2, and Buildings 1 and 5. These spaces should be animated pedestrian realm not locations of back of the house functions.

Applicant: Noted. The design of the loading / back of house functions is still being explored for these buildings.

43. Ensure at grade commercial spaces are leveled with the sidewalk along Bank Street.

Applicant: Our preliminary sections (included in the UDRP submission) provide stepping in the ground floors of some of buildings to ensure a match at key points between the exterior grades along Bank and Walkley and the interior spaces. This will support mixed use functions such as small retail/services, exterior accessed amenity spaces, and lobby spaces with level access. Due to the ~4.5m grade drop across the site, we have prioritized at-grade access along Bank Street and at the corner of Bank and Walkley. Where the grade falls more steeply, our design objective is to provide street facing amenity uses, serviced by internal access, to provide active use at / near the street level.