



TEAM & COLLABORATIVE PARTNERS























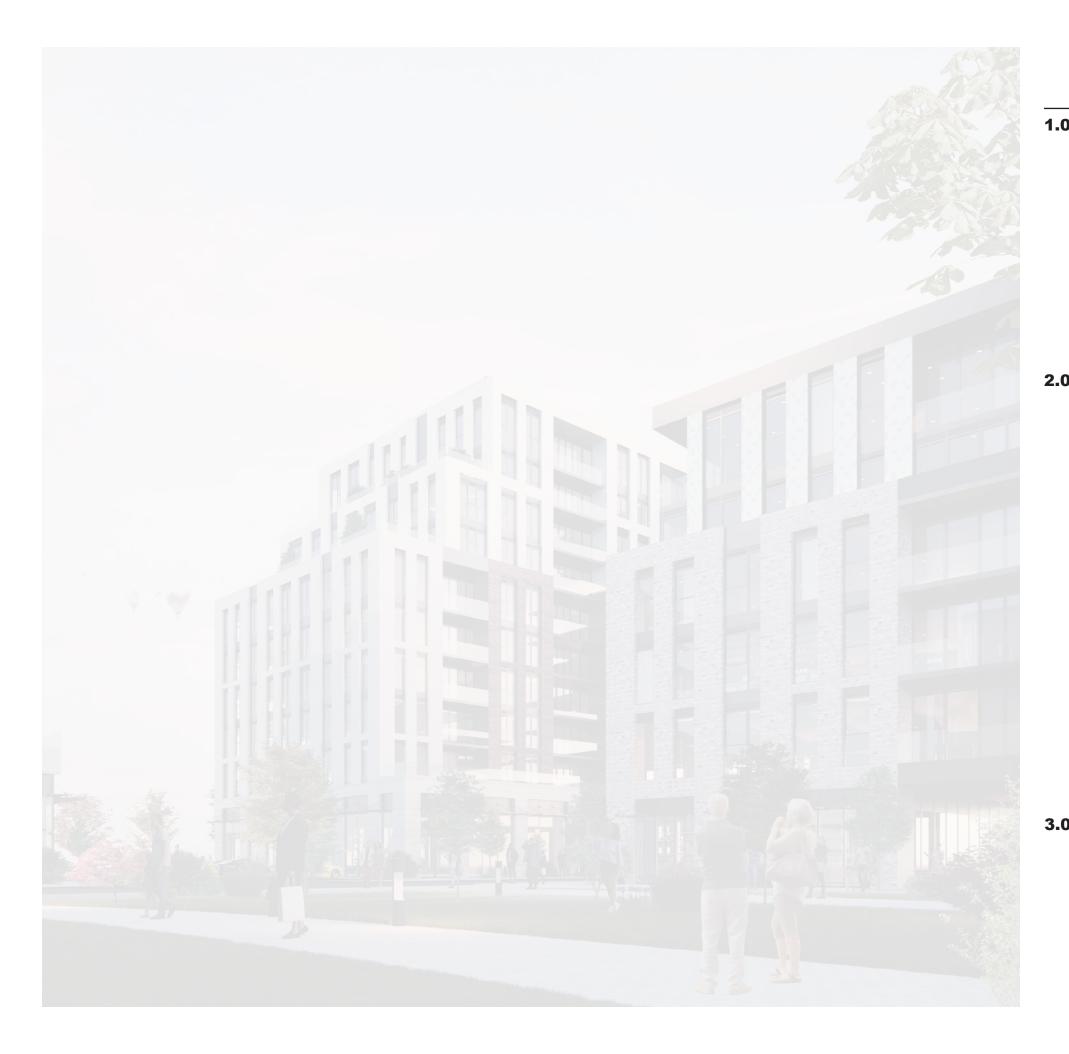


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1.1 GOALS AND OBJECTIVES

The City's Mississauga Official Plan (MOP) provides direction for the next stage of the city's growth and articulates a vision for a future

Mississauga through specific guidance for both the public and private sectors in the ongoing evolution of the city. MOP provides planning

policies to guide the city's development to the next Planning Horizon, as required by Provincial legislation. MOP provides policies to manage and direct the physical
change of the city and the effects of such change on the social, economic, cultural and natural environment as well as to set out the goals, objectives and policies to
guide future development, redevelopment and intensification within the City. It also forms the basis for detailed land use designations and urban design policies.

THE PROPOSED DEVELOPMENT CONFORMS TO THE CITY OF MISSISSAUGA OFFICIAL PLAN BY:

- Supporting the city's Official Plan by promoting the revitalization of a site suitable for redevelopment.
- Implementing pedestrian and transit-oriented development and a vibrant street life.
- Contributing to the existing area context with a strong emphasis on creation and articulation of public realm design paired with appropriate built form in terms of scale and design.
- Creating a development framework exhibiting sensitivity to the existing area context and promoting development within general and City urban design standards.
- Providing retail opportunities for existing and future residents and providing an alternative built form (townhouses, apartment).
- Supporting a mix of uses by providing future residents with a wide range of amenities and access to greenspace which will be thoughtfully and fully detailed/designed through the Site Planning process.
- Providing and contribute to visual relief and variety for existing residents and creates opportunities for future residents.
- Providing open space areas that contribute to community connectivity and creates opportunities for recreation for residents.
- Prioritizing the policies put forth in Section(s) 5.3.5.5, 5.3.5.6, 9.2.2.1, 9.2.2.3, 9.2.2.6, 9.3.1.3, 9.3.1.7, 9.3.1.8, 9.5.1.1, 9.5.1.2-9.5.1.4, 9.5.1.11, 9.5.2.2, 9.5.2.3 & 16.1.1.2.

'MADE IN MISSISSAUGA' GREEN DEVELOPMENT STRATEGY:

The development proposal incorporates a number of green initiatives in an effort to adhere to the 'Made in Mississauga' Green Development Strategy guidelines. The guiding principles taken from this strategy and applied in the following proposal includes:

- Leading and encouraging environmentally responsible approaches to architecture and site planning.
- Enhancing Natural Environments through the redevelopment of a heavily paved site and provision of parkland/greenspace.
- Promoting a Green Culture through strategic site planning and programming and engineering principles integrate sustainable design and from an urban design perspective, the proposed residential development will be sympathetic with the existing character area and surrounding residential development. The provision of open space and accentuation of same thorough urban design strategies will contribute both visually and functionally to the existing and future residents and to the neighborhoods inventory of greenspace and provide an animated pedestrian realm.

The current proposal promotes transportation demand management practices through the provision of long and short term bicycle spaces, uninterrupted pedestrian pathways, proximity to existing transit options.

The proposal is located adjacent to existing uses/services and facilities that contribute to the development of a complete and healthy community.

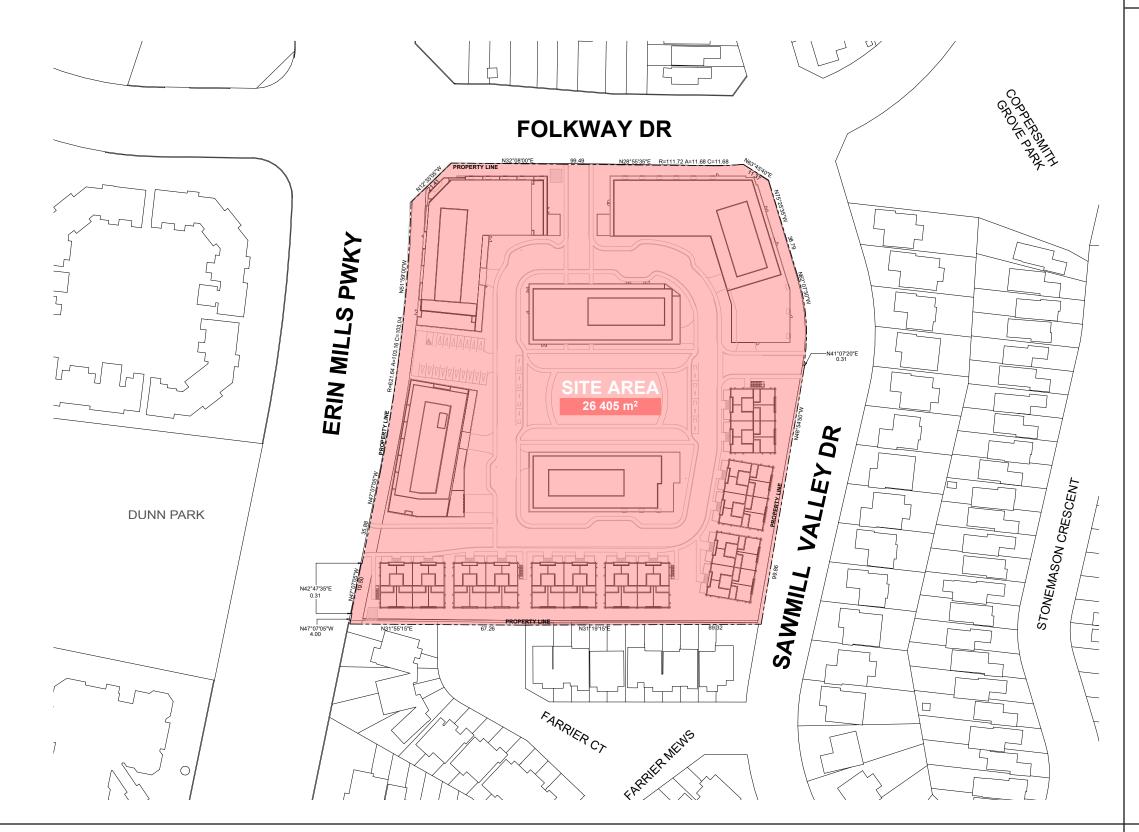
*For a more complete review and assessment of the projects compliance to the MOP please refer to planning justification submitted as part of the application.

*Detailed architectural and landscape drawings shall be based on the approved Urban Design Brief as part of the future Site Plan Approval application to the City. It is anticipated that the use of the Development Design Guidelines will be emphasized during the detailed design and Site Plan Approval process.

DESIGN VISION

DESIGN AND FUNCTIONALITY OPPORTUNITIES FOR THE SITE TO ACHIEVE CONSISTENCY WITH THE MOP INCLUDE:

- No exposed parking areas to public realm.
- Enhanced streetscape interface with the public realm.
- Bicycle and pedestrian connections from the public ROW and internal contiguous connections.
- Balanced greenspace and hardscapes for visual appeal and functionality of the site.
- New greenspace in an immediate area largely dominated by private residential uses.
- Ground floor residential connections to the street.
- Direct connections between public ROW and interior to site.
- Pedestrian oriented internal circulation network prioritizing foot traffic and safety for users.
- Facilitating Crime Prevention Through Environmental Design (CPTED) principles, such as natural surveillance throughout the site.
- Rejuvenation of the subject property through the redevelopment of underutilized space.
- Residential intensification within Neighbourhoods will generally occur through infilling and the development of existing commercial sites as mixed-use areas (5.3.5.2).
- Enhance the visual experience for residents, motorists and pedestrians.



SITE LOCATION

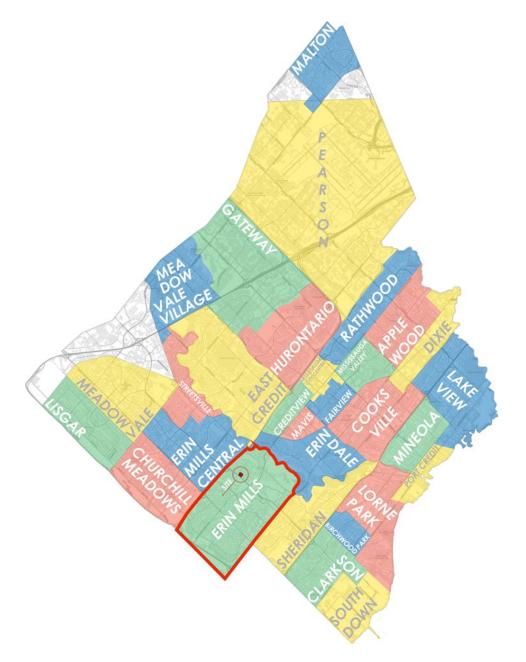
LEGEND

SITE AREA

SITE INFORMATION

The subject site is municipally addressed as 4099 Erin Mills Parkway in the City of Mississauga. It has frontage along Erin Mills Parkway of approximately 160m, 136 m of Folkway Drive and 169m of Sawmill Valley Drive. This site has a total area of 26, 405 sq. m.











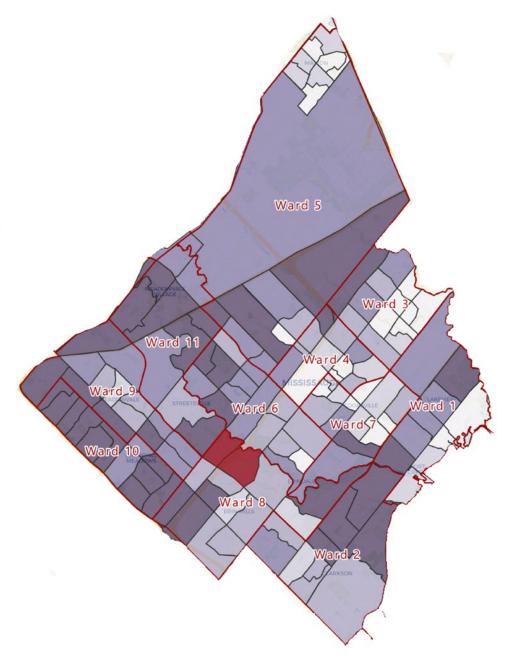


SITE LOCATION

ADJACENT NEIGHBOURHOODS

The subject site lies within the western part of Mississauga in Ward 8. Neighbourhoods around the area include the following:

- 1. Erin Mills: This area is a community hub, a top Mississauga destination and it is situated along the Credit River Valley which contours this neighbourhood's beautiful topography, filled with hills and winding streets. One of its landmarks includes the University of Toronto's Mississauga campus.
- **2. Churchill Meadows:** Situated north of Highway 403 and south of Brittania Road, One of Mississauga's youngest neighbourhoods with several parks and educational institutions, this area is an affordable, family-oriented neighbourhood.
- **3. Erin Mills Central:** This area is near the 400 series highway and Go Train services. It has more affordable real estate than other Mississauga neighbourhoods, and its landmark includes Credit Valley Hospital and Erin Mills Town Centre.
- 4. East Credit: Located in north-central Mississauga, its landmark includes BraeBen Golf Course and Heartland Town Centre, one of Canada's largest malls. The David J Fulham trail is also in East Credit and follows the course of the Credit River; this makes this area ideal for outdoor activities.







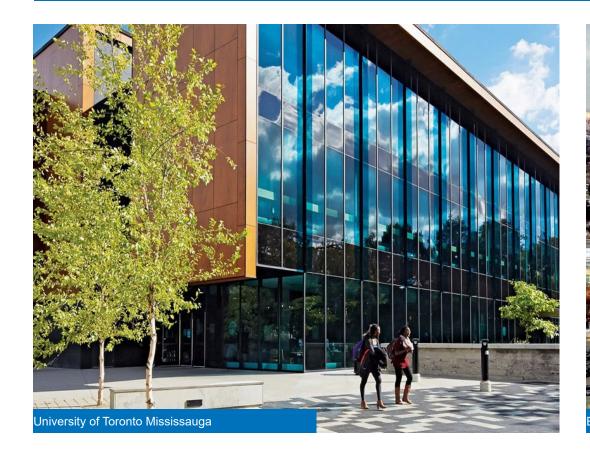


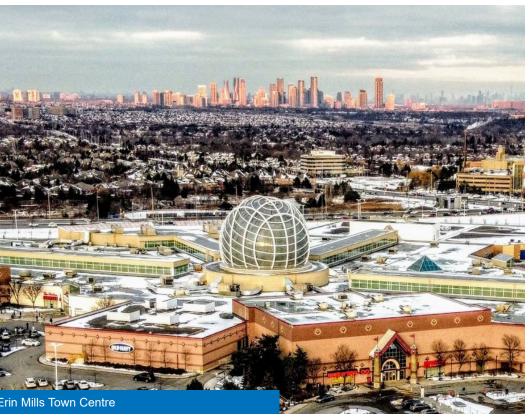


SITE LOCATION

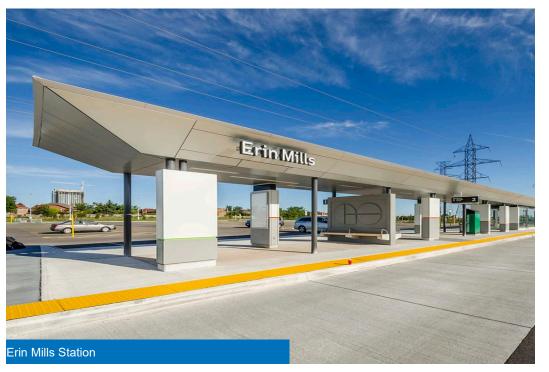
ADJACENT NEIGHBOURHOODS

- **5. Creditview:** This area was designated as a residential development by the City of Mississauga in the 1970s. Residents enjoy fast and easy access to the Mississauga City Centre which is located just a few minutes north of this neighbourhood. One of its landmarks is Square One Shopping Centre, one of the largest malls in Ontario and part of Canada's top ten malls. The Living Arts Centre is also in this area, hosting hundred of performing arts, educational, community and corporate events.
- **6. Erindale:** This area has an abundance of parklands and is one of Mississauga's historic neighbourhoods. Some of its heritage structure still stands today, such as churches, community halls and residential developments. One of its natural landmarks includes Erindale Park, which encompasses 222 acres, making it the largest park in Mississauga.
- 7. Sheridan: This area is a quiet and family-friendly neighbourhood. This community is led by The Sheridan Homelands Ratepayers Association "SHORA," which hosts several annual events such as Pumpkin Parade, Christmas Lights contest, etc. Its neighbourhood landmarks include Sheridan public library, Thornlodge Park and Sheridan Park.
- **8. Clarkson:** Mississauga First Nations were the first settlers here, and this area is known for its outstanding vegetation and produce. They have claimed the title "Strawberry Capital of Ontario." One of its landmarks includes Rattray Marsh, a popular birding site and boardwalk trails through this preserve.









ADJACENT CONTEXT

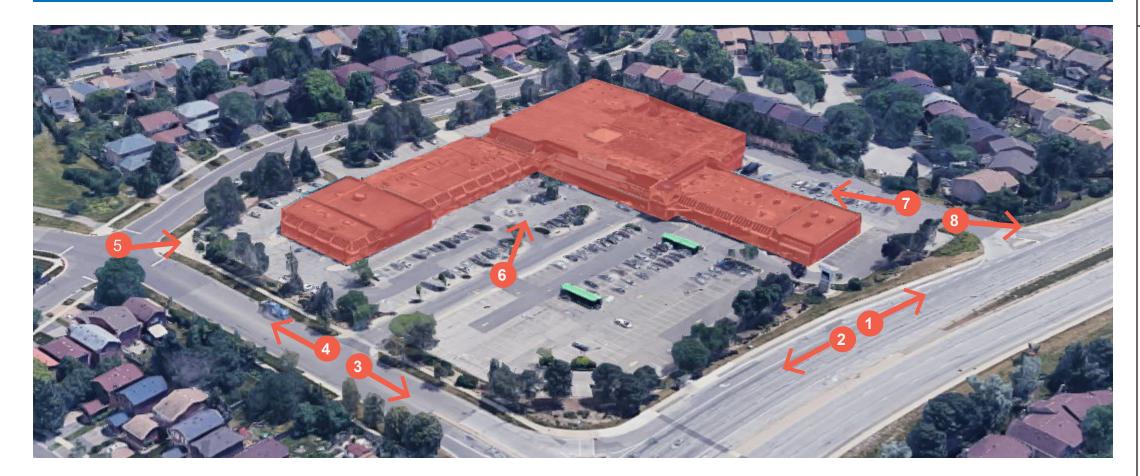
LANDMARKS

University of Toronto Mississauga: This campus was established in 1967 and has grown to be the second largest of the three University of Toronto campuses. It is situated on 225 acres of protected greenbelt along the Credit River. UTM has 18 academic units (15 departments and two institutions), with over 180 programs and 90 areas of study.

Erin Mills Town Centre: This mall opened in 1989 and was owned and managed by Cadillac Fairview until the Ontario Pension Board purchased it in 2010. It was famous for the large clock tower, which was visible in every aspect; now, a spectacular new architectural sphere has been added to float over the centre court allowing natural light to flood this shopping centre. It now contains 185 stores, a large food court and parking spaces for more than 4500 vehicles.

South Common Library: This 2-storey library opened to the public in 1983. Facilities at this location include study carrels, quiet rooms, 3D printers, children's multimedia workstations, etc. It is situated near South Common Community Centre and Glenbrook Presbyterian Church.

Erin Mills Station: This station is part of the 18-kilometre Mississauga transit-way. Metrolinx began constructing this transitway in 2013, and it was completed by 2016. It is situated northwest of Erin Mills Parkway and Highway 403 interchange. Some amenities at this station include 300 parking spaces, heated/enclosed waiting areas, and bike lock-up areas.



















SITE PHOTOS

LEGEND

- EXISTING DEVELOPMENT
- 1 LOOKING SOUTH ON ERIN MILLS PARKWAY
- 2 LOOKING NORTH ON ERIN MILLS PARKWAY
- 3 LOOKING WEST ON FOLKWAY DR
- 4 LOOKING EAST ON FOLKWAY DR
- 5 LOOKING SOUTHWEST FROM FOLKWAY DR AND SAW-MILL VALLEY DRIVE
- 6 LOOKING SOUTHEAST FROM SURFACE PARKING LOT
- LOOKING NORTHEAST FROM EXISTING SOUTH SITE ENTRANCE
- 8 LOOKING SOUTHWEST FROM EXISTING SOUTH SITE ENTRANCE







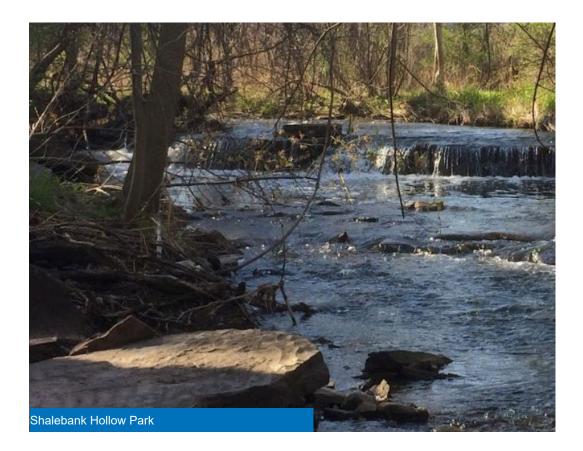


SITE PHOTOS

EXISTING RETAIL PLAZA

The subject land is currently occupied with a one-storey commercial/retail plaza with pedestrian/vehicular access provided from Erin Mills Parkway, Folkway Drive and Sawmill Valley Drive. There is surface parking along the north and west parts of the site. The current plaza contains diverse restaurants, grocery stores, banks, offices, pharmacies, etc.

The surrounding neighbourhood to the east and south contain two-storey detached homes. Along the west part of the site along Erin Mills Parkway has a variety of residential developments, a retirement home, a gas station and churches.









SITE TOPOGRAPHY

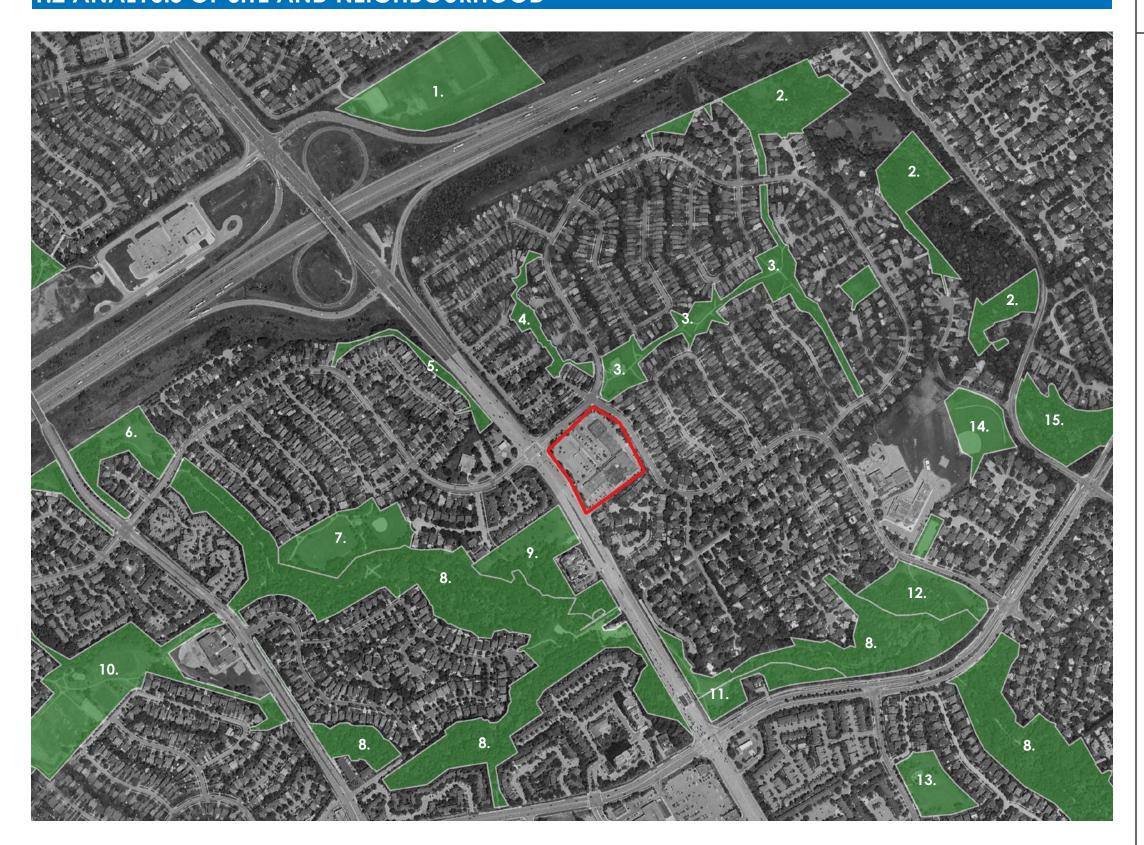
ADJACENT NATURAL FEATURES

Shalebank Hollow Park: Shalebank Hollow Park is connected to Mullet Creek and located northeast of the subject land. This Park has been freshly forested, and there is still evidence of its farming past. Some trails are accessible from Folkway Dr and includes areas for birdwatching activities.

Arbour Green Park: Arbour Green Park is situated west of the subject land, including a soccer field, softball diamond, playgrounds and branches of trails that stretch kilometers, reaching Sawmill Valley Trail and Dunn Park.

Sawmill Creek Park: Sawmill Creek Park connects to a 9.0 km trail southeast of the subject land. It takes an average of 2 hours to complete the trail starting from Erindale Park. The path is a combination of paved paths, wooden boardwalks, and packed dirt. The track is encompassed by mature and dense trees, making it very popular for hiking, mountain biking and snowshoeing.

Windy Hollow Trail: Windy Hollow Trail is situated south of the subject land and is a moderate but steep pathway. The entire trail connects from Glen Erin trail to Windy Hollow Park, which could take up to an hour to complete. The gradual elevation change should be noted for visitors. Popular activities in the area include mountain biking, hiking, and trail running.



SURROUNDING OPEN SPACES

LEGEND





OPEN SPACES

- 1. Erin Mills Athletic Fields
- 2. Shalebank Hollow
- Trapper's Green
 Coppersmith Grove
 Trellis Trail
- 6. Sawmill Valley Trail
- 7. Arbour Green
- 8. Sawmill Valley Trail
- 9. Dunn Palk
- 10. Pheasant Run
- 11. Pine Tree Hill
- 12. Sawmill Creek
- 13. South Millway Green 14. Woodchuck Green
- 15. Erindale Park





TYPE OF USES

LEGEND

RESIDENTIAL

COMMERCIAL & RETAIL

EDUCATIONAL

COMMUNITY





BUILDING HEIGHT

LEGEND

1-2 STOREY IN HEIGHT

4 STOREY IN HEIGHT

18 &19 STOREY IN HEIGHT





STREET NETWORK

LEGEND

SITE

---- HIGHWAY / ARTERIAL / MAJOR COLLECTOR

MINOR COLLECTOR / LOCAL





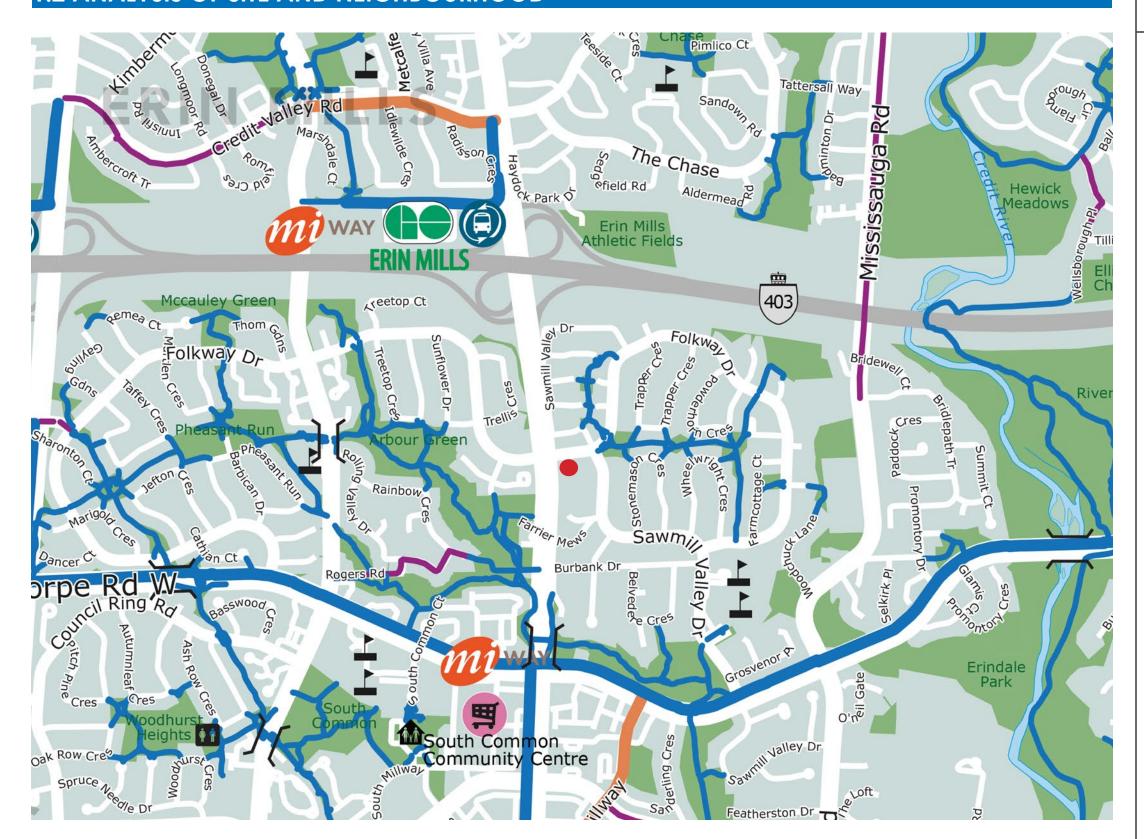
TRANSIT

LEGEND

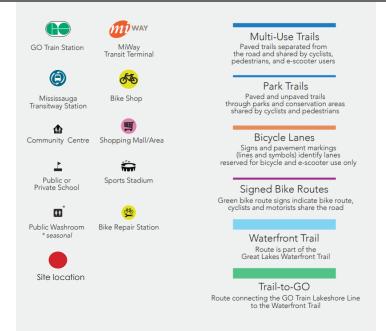
MISSISSAUGA BUS ROUTES

STOPS



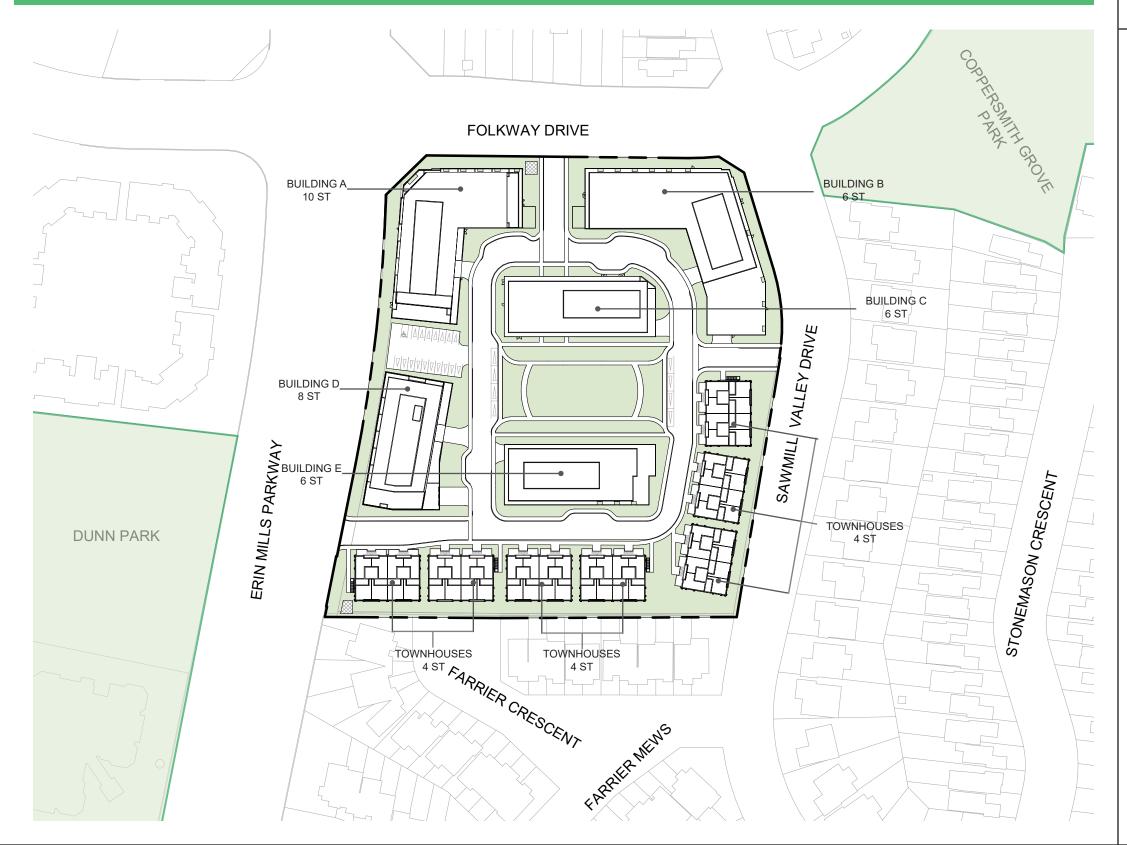


TRANSIT









SITE PLAN

The existing retail plaza on the subject site is to be demolished to facilitate the development of five mixeduse residential buildings to the northwest of the site and seven stacked townhouse blocks to the southwest of the site.

A total Gross Floor Area (GFA) of 59,024m² is proposed, resulting in a Floor Space Index of 2.24. Of this, approximately 58,248 m² is to be residential GFA, while approximately 776 m² is to be non-residential GFA. The commercial spaces are located at grade in Building A and Building D and directed to Erin Mills Parkway.



Design excellence is achieved through a carefully crafted built form and well-articulated materials. This is further complemented by design elements on the building facades.

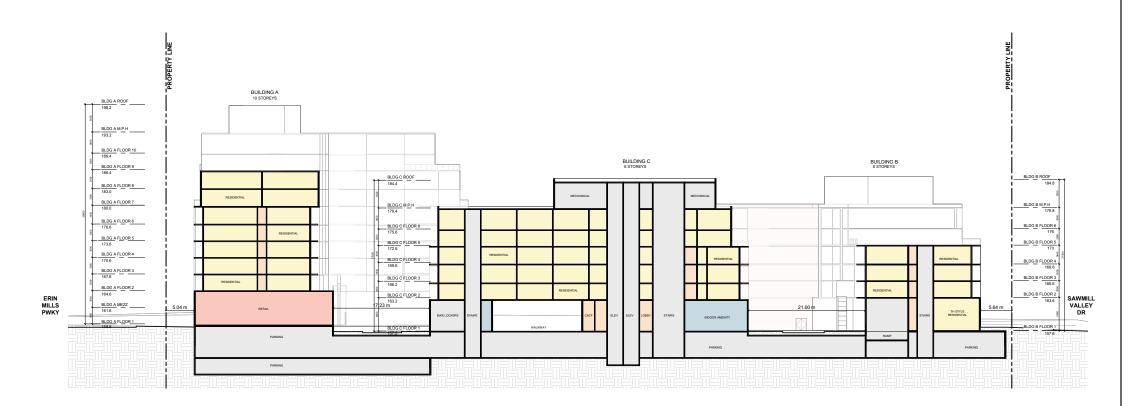
The proposal clearly indicates a change in use between the ground-floor commercial and residential uses on the upper storeys. A high percentage of glazing is featured along Erin Mills Parkway creating a vibrant commercial frontage. Clear visibility between the interior and exterior uses of the building allows for passive surveillance. The at-grade residential units are also oriented to front onto Folkway drive and Sawmill Valley Drive.

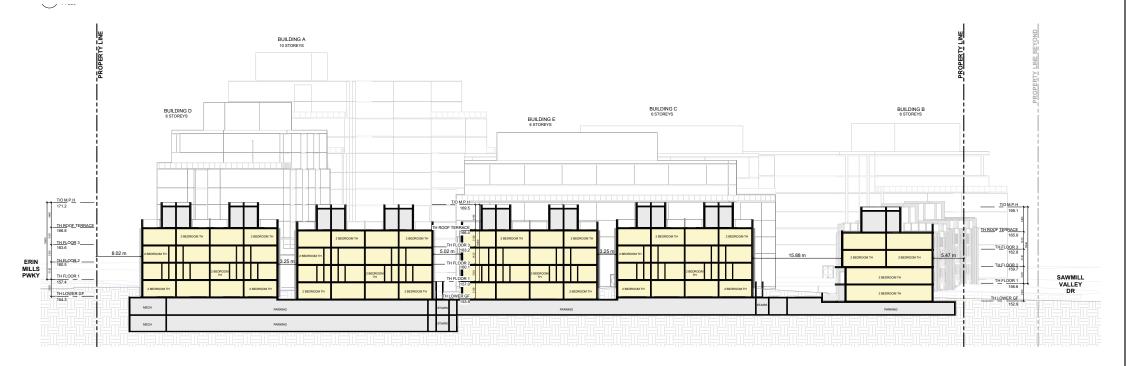
The residential units on the upper floors have balconies that directly overlook the public realm, enhancing the perception of safety through community vigilance. The canopies and other weather protection features are provided along the public streets and clearly frame the entrances to the buildings.

Mississauga Official Plan Policies Considered

- 9.3.1.3 Major roads and their streetscapes should be designed to create spaces that are integral parts of the adjacent communities, thus serving to link communities.
- 9.3.1.7 Streetscapes will be designed to create a sense of identity through the treatment of architectural features, forms, massing, scale, site layout, orientation, landscaping, lighting and signage.
- 9.3.1.8 The design of developments at intersections and along major streets should be of a highly attractive urban quality, recognizing that streets are important civic spaces and linkages.
- 9.5.1.1 Buildings and site design will be compatible with site conditions, the surrounding context and surrounding landscape of the existing or planned character of the area.

VIEW LOOKING AT BUILDING D FROM ERIN MILLS PARKWAY





BUILDING SECTIONS

LEGEND

RESIDENTIAL - UNIT

RESIDENTIAL - COMMUNAL

AMENITIES

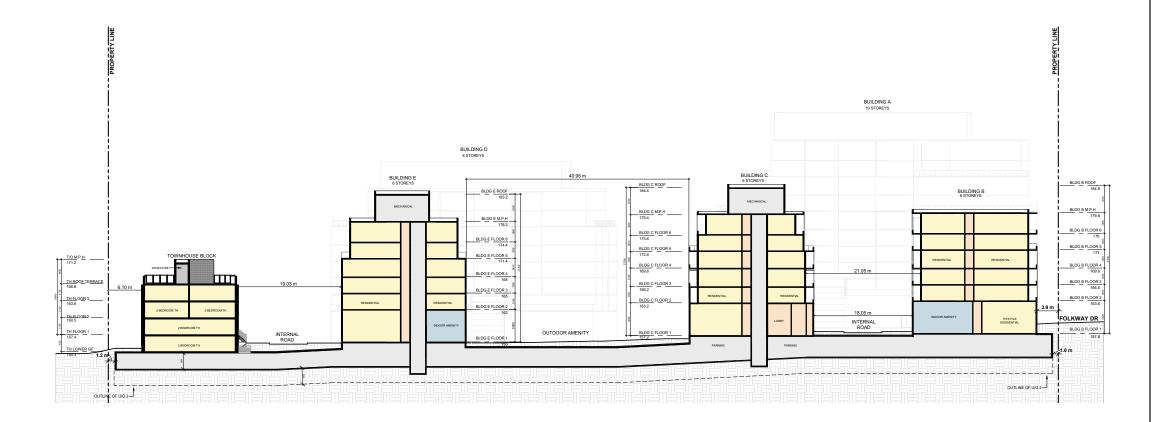
SERVICES

RETAIL

Mississauga Official Plan Policies Considered

9.2.2.3 While new development need not mirror existing development, new development in Neighbourhoods will

> c. respect the scale and character of the surrounding area; g. be designed to respect the existing scale, massing, character and grades of the surrounding area.



BUILDING SECTIONS





VIEW OF BUILDING E FACING SOUTH EAST





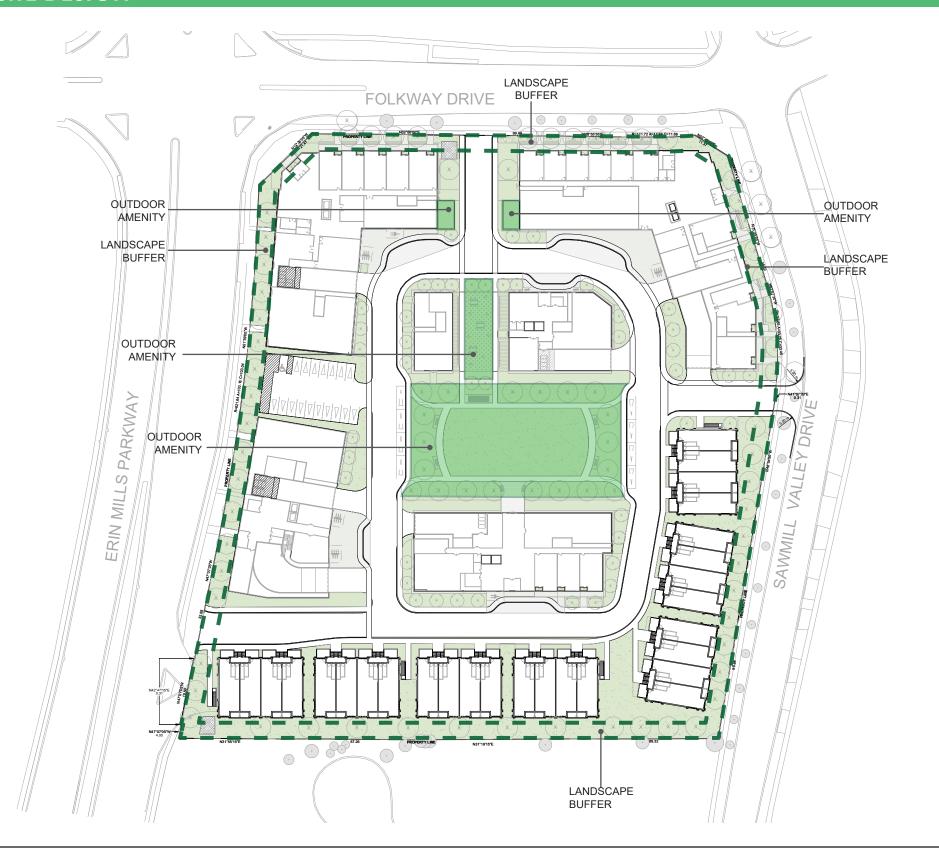
AMENITIES

LEGEND

INDOOR AMENITIES - 1,621.03 M2

OUTDOOR AMENITIES - 2,330.41 M2

Amenity space will be provided within each of the buildings and in shared outdoor spaces at the hub of the development. A total of 1,621 m² of indoor amenity space and 2,330 m² of outdoor amenity space are proposed on the site. The outdoor amenity includes 2,018 m² of open green space located between Building C and Building D.



PROPOSED GREEN SPACE

LEGEND

PROPOSED GREEN SPACE

LANDSCAPE BUFFER (3m)

The open green space will be accessible to future residents and the wider community. The proposal includes a high-quality public realm which facilitates passive and active gatherings.

The proposal also maintains a front yard setback of 3m which features a landscaped area between the buildings and the street. This approach will further contribute to the pedestrian experience.

Landscaping and streetscape enhancements include treatments along Erin Mills Parkway, Folkway Drive and Sawmill Valley Drive to achieve safe, engaging, pedestrian-oriented street frontages. The placement and design of lighting, utilities and street furniture will be further established through the detailed design stage.

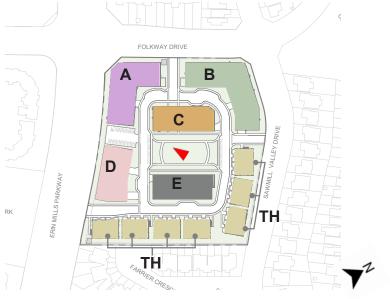
Mississauga Official Plan Policies Considered

9.2.2.3 While new development need not mirror existing development, new development in Neighbourhoods will

f. preserve mature high quality trees and ensure replacement of the tree canopy;



VIEW OF BUILDING A LOOKING WEST





Pavers - Promenade Plank

Benches - Backless



Pavers - Granito Hex



Benches - With Back



Shading Structure - Trellis



Bike Racks - Short-term Bike Parking

LANDSCAPING OPPORTUNITIES

The Landscape design for the site has focused on providing connectivity throughout the site, focusing on a large green amenity area in the centre of the site, with a unique connection node that passes through the block to the North of the main amenity space.

Building drop off zones are accented with upgraded paving surfaces and planting to provide a sense of arrival at each building.

Residential units on the perimeter of the site provide connectivity to the surrounding neighbourhood, thus enhancing the sense of belonging in the community. Pedestrian access is provided at key points along the Erin Mills frontage to provide pedestrian connectivity to the commercial units.

STATISTICS

SF 284,223 PROPOSED SITE AREA: 26,405 NEW PROPOSAL GFA

NEW RESIDENTIAL UNIT#

GFA BREAKDOWN
(GFA EXCLUDES U/G PARKING, MECH.P.H., EXIT STAIR WELLS, INDOOR AMENITY SPACE, BICYCLE STORAGE, GARBAGE CHUTES, GARBAGE ROOM PER CITY OF MISSISSAUGE ZONING BY LAW.)

	DESCRIPTI	ON			RESIDENTIAL			RETAIL		TOTAL GFA	
	DESCRIPTI	ON	TOTA	L GFA	NE.	T SALEAB	LE				
	TYPE	HEIGHT (m)	m2	ft2	m2	ft2	UNIT	m2	ft2	m2	ft2
U/G PARKING		2 LEVELS	459	4941						459	4,941
BUILDING 'A'	RESIDENTIAL BASE	33.6	15,064	162,152	13,120	141,226	197	411	4,429	15,476	166,581
BUILDING 'B'	RESIDENTIAL BASE	21.2	11,286	121,480	9,585	103,173	142			11,286	121,480
BUILDING 'C'	RESIDENTIAL BASE	21.2	5,815	62,595	4,936	53,131	80			5,815	62,595
BUILDING 'D'	RESIDENTIAL BASE	26.0	7,308	78,664	6,213	66,877	95	365	3,926	7,673	82,591
BUILDING 'E'	RESIDENTIAL BASE	21.9	6,184	66,569	5,221	56,195	77			6,184	66,569
TOTAL			46,117	496,401	39,075	420,601	591	776	8,356	46,893	504,757

	DIESCRIPTION		RESIDENTIAL				DETAIL		TOTAL GFA		
	DIESCRIFT	ON	TOTA	L GFA	NET	SALEAB	LE	RETAIL		TOTAL GFA	
	TYPE	HEIGHT (m)	m2	ft2	m2	ft2	UNIT			m2	ft2
B-B STACKED TOWNHOUSES	108.3M2/ UNIT	10.3 TO 11.3	12,131	130,578	12,131	130,578	112			12,131	130,578

TOTAL AVG LINIT SIZE

PARKING REQUIRED

RESIDENTIAL	UNITS#	MIN. RATE	PARKING SPACES
BUILDING 'A'	197	1.1	217
BUILDING 'B'	142	1.1	156
BUILDING 'C'	80	1.1	88
BUILDING 'D'	95	1.1	105
BUILDING 'E'	77	1.1	85
B-B STACKED TOWNHOUSES	112	1.1	123
SUB TOTAL	703		773
NON-RESIDENTIAL			
RESIDENTIAL VISITOR	703	0.2	141
RETAIL	776.3	5/100M2	39
SUB TOTAL (BEFORE SHARING	G)		180
SUB TOTAL (AFTER SHARING)			141
TOTAL (BEFORE SHARING)			953
TOTAL (AFTER SHARING)			914

AMENITY REQUIRED

5.6m2 per unit	3936.8 m2
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AMENITY PROVIDED

INDOOR	1621.03 m2
OUTDOOR	2330.41 m2

BICTCLE PARKING - REQ					
	RESIDENTIA	NON-RESIDENT	TOTAL		
USE	RATIO	SPACES	RATIO	SPACES	
SHORT TERM (CLASS B)	0.05 / UNIT	35	0.20 / 100m ²	0	35
LONG TERM (CLASS A)	0.60 / UNIT	422	0.15 / 100m²	0	422
TOTAL REQUIRED		457		0	457

^{*} BICYCLE PARKING RATIOS AS PER CITY OF MISSISSAUGA ZONING BY-LAW

PARKING PROVIDED

SALEABLE UNIT MIX PROVIDED - UNIT TOTALS

FLOOR	USE	USE		
	RESIDENTIAL	NON- RESIDENTIAL		
FLOOR 1		26	26	
U/G LEVEL 1	558	115	673	
U/G LEVEL 2	215		215	
TOTAL PROVIDED	773	141	914	
RATIO	1.1			

EVSE					
RESIDENTIAL	NON-RESIDENTIAL				
155	15				
155	15				
20%	10%				

TYPE	AVG UN	IIT SIZE
28	m2	ft2
112	108.3	1166

GROSS FLOOR AREA DEFINITION

CITY OF MISSISSAUGA ZONING BY-LAW

means the sum of the areas of each storey of a building, structure or part thereof, above or below established grade, excluding storage below established grade and a parking structure above or below established grade, measured from the exterior of outside walls, orfrom the midpoint of common walls.

Gross Floor Area / (GFA) - Apartment Zone

means the sum of the areas of each storey of a building above or below established grade, measured from the exterior of outside walls of the building including floor area accupied by interior walls but excluding any part of the building used for mechanical floor area, stairwels, elevators, motor vehicle parking, bicycle parking, storage lockers, below-grade storage, any enclosed area used for the collectionor storage of disposable recyclable waste generated within the building, common facilities for the use of the residents of the building, ad ay care and amenity area. (0174-2017)

Gross Floor Area / (GFA) - Residential

means the sum of the areas of each storey of a building measured from the exterior of outside walls but shall not include any part of the building used for motor vehicle parking.

Gross Floor Area / (GFA) - Non-Residential

means the sum of the areas of each storey above or below established grade, measured from the exterior of outside walls, or from the midpoint of common walls, including the area of any floor system or assembly located within a storey which is designed or used for access and passage by persons and including all parts of the building or structure or part thereof below established grade used for retail,office, industrial or warehouse uses, but excluding the following:
(2) areas of stairwells, washrooms or elevators;
(3) any enclosed area used for the collection or storage of disposable or recyclable waste generated within the building or structure or part thereof, (4) any part of the building or structure or part thereof above or below established grade used for motor vehicle parking or the provision of loading spaces:

spaces;
(5) any part of the building, structure or part thereof below established grade used for storage incidental to other uses in the building, structure or part thereof or provided and reserved for the personal needs of the occupants of the building, structure or part thereof including lunch rooms,

lounges or fitness rooms; (6) accessory outdoor tank. (0379-2009)

DICYCLE DARKING - PROVIDED

		RESIDENTIAL							
FLOOR	SHORT TERM (CLASS B)	LONG TERM (CLASS A)	SUB-TOTAL						
FLOOR 1	38	158	196						
U/G LEVEL 1		264	264						
TOTAL PROVIDED	38	422	460						

SITE STATISTICS

Proposed Site Area: 26,405 m2

Total Proposed GFA: 59,024 m2

Total Proposed Retail: 776 m2

Proposed Residential Units #: 703

Proposed Parking Spaces #: 914

Proposed Bike Spaces #: 460

	DEDO				TOTAL	AVO. DIVIT DIZE		
BLDG A+B+C+D +E		1B	2B	2B+D	3B		m²	ft²
	A	130	39	16	12	197	66.6	717
	В	86	37	16	3	142	67.5	726
	С	56	16	5	3	80	61.7	664
	D	57	17	15	6	95	65.4	704
	E	55	10	5	7	77	67.8	730
	SUBTOTAL	384	119	57	31	591		
	TOTAL UNITS	384	176		31	551		
	UNIT MIX	65.0%	20.1%	9.6%	5.2%	100.0%	66.1	711
	UNIT MIX TOTAL	65.0%	29.8%		5.2%	100.0%	66.1	711
	AVG UNIT SIZE	57.4	75.3	83.7	106.6	m²		
	AVG UNIT SIZE TOTAL	57.4	72.8		93.8	m²		

ACCESSIBLE PARKING - PROVIDE

U/G LEVEL 1 TOTAL PROVIDED

 $^{^*}BICYCLE\ PARKING\ SPACES\ SHALL\ NOT\ BE\ REQUIRED\ FOR\ NON-RESIDENTIAL\ USES\ WITH\ LESS\ THAN\ 1000\ m^2\ OF\ GFA-NON-RESIDENTIAL.$





CONCEPT PLAN

LEGEND

SALEABLE

NON-SALEABLE

AMENITIES

EXCLUSIONS

♠ PRIMARY RESIDENTIAL ENTRANCE

△ SECONDARY RESIDENTIAL ENTRANCE

EXIT

The proposal will positively contribute to the community by integrating commercial and residential uses with generous and family-oriented green spaces at the hub of the development. A total of 703 residential dwelling units of varying sizes and types are to be provided including larger units suitable for families.

The five mid-rise buildings provide 591 units including 15 ground-floor residential units in buildings A and B, with frontage on Folkway Drive and Sawmill Valley Drive. A total of 112 two-bedroom units with generous amenity space are provided in the seven townhouse blocks. Townhouse facades along Sawmill Valley Drive will be designed to articulate a continuation of street front.

Mississauga Official Plan Policies Considered

9.2.2.6 Development on Corridors will be encouraged to:

- b. face the street, except where predominate development patterns dictate otherwise;
- c. not locate parking between the building and the street;
- d. site buildings to frame the street and where non-residential uses are proposed to create a continuous street wall;
- e. provide entrances and transparent windows facing the street for non-residential uses;
- g. consolidate access points and encourage shared parking, service areas and driveway entrances



Direct pedestrian connections from public sidewalks are provided to both the residential and non-residential units. A suitable amount of surface parking is proposed between buildings A and D and on the west and east sides of the open green space to facilitate temporary parking for shoppers and visitors.

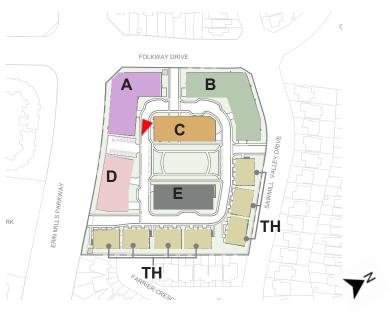
The principal entrances to the residential lobbies and retail units are proposed along Erin Mills Parkway, Folkway Drive and Sawmill Valley Drive to provide an active street wall condition. Additional entrances are accessible via the private condominium roads. Furthermore, all walkways and main building entrances are to be barrier-free.

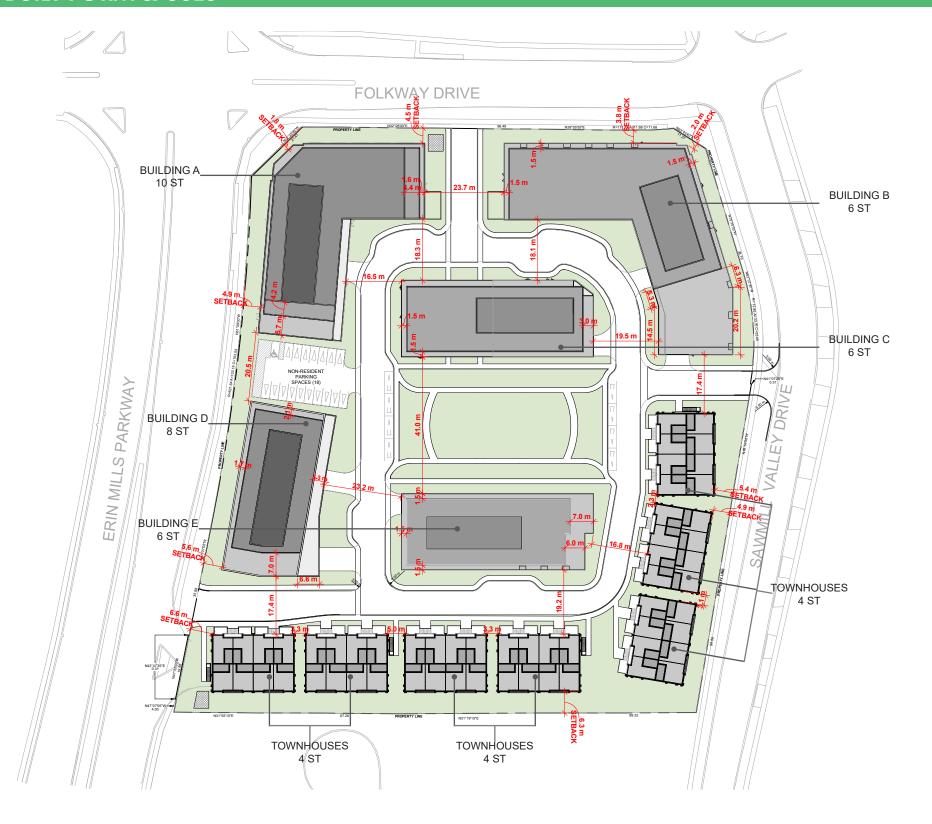
Mississauga Official Plan Policies Considered

- 9.1.10 The city vision will be supported by site development that: a. respects the urban hierarchy;

 - c. demonstrates context sensitivity, including the public realm;
 - d. promotes universal accessibility and public safety
 - e. employs design excellence

VIEW OF BUILDING D LOOKING SOUTH EAST





BUILDING PLACEMENTS

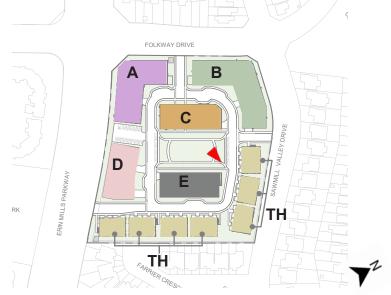
The proposed buildings have been oriented in a manner that provides for appropriate height and density transitions to the surrounding area. This includes adequate setbacks and separation distances from each other and from adjacent propertie. The built form and entrances have been designed to mitigate the potential impacts of wind and shadows.

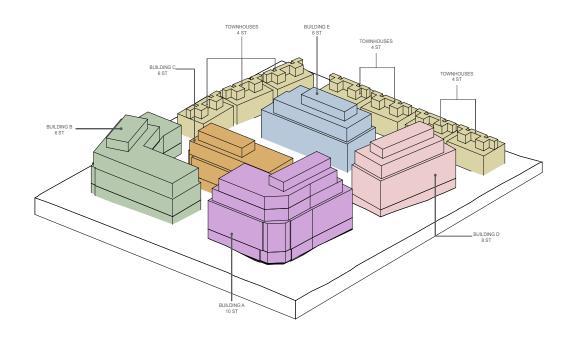
Mississauga Official Plan Policies Considered

- 9.5.1.2 Developments should be compatible and provide appropriate transition to existing and planned development by having regard for the following elements:
 - d. street and block patterns;
 - e. the size and configuration of properties along a street, including lot frontages and areas;
 - f. continuity and enhancement of streetscapes;
 - g. the size and distribution of building mass and height;
 - h. front, side and rear yards;
 - i. the orientation of buildings, structures and landscapes on a property;
 - j. views, sunlight and wind conditions;
 - I. privacy and overlook; and
 - m. the function and use of buildings, structures and landscapes.
- 9.5.1.3 Site designs and buildings will create a sense of enclosure along the street edge with heights appropriate to the surrounding context.

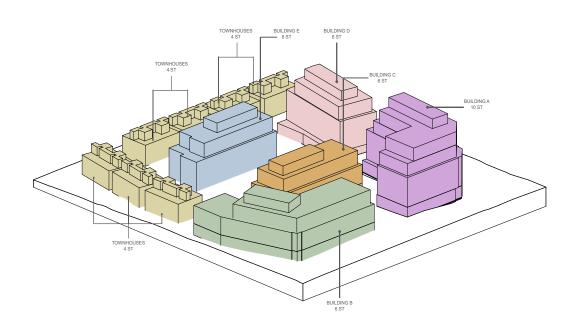


VIEW OF TOWNHOUSES LOOKING NORTH EAST











3D MASSING

LEGEND

BUILDING A

BUILDING B

BUILDING C

BUILDING D

BUILDING E

TOWNHOUSES

As shown on the 3D massing diagrams, stepbacks are incorporated to ensure adequate transitions, viewing distances and massing articulation between the proposed development and the neighbouring area (which consists primarily of single-family houses). The stepbacks also facilitate visual variety of the proposed massing.

Mississauga Official Plan Policies Considered

5.3.5.5 Intensification within Neighbourhoods may be considered where the proposed development is compatible in built form and scale to surrounding development, enhances the existing or planned development and is consistent with the policies of this Plan.

5.3.5.6 Development will be sensitive to the existing and planned context and will include appropriate transitions in use, built form, density and scale.

9.2.2.1 Heights in excess of four storeys will be required to demonstrate that an appropriate transition in height and built form that respects the surrounding context will be achieved.

16.1.1.2 Proposals for heights more than four storeys or different than established in the Character Area policies, will only be considered where it can be demonstrated to the City's satisfaction, that:

> a. an appropriate transition in heights that respects the surrounding context will be achieved;

b. the development proposal enhances the existing or planned development;



EXISTING CONDITION - LOOKING EAST



EXISTING CONDITION - LOOKING SOUTH



PROPOSED CONDITION - LOOKING EAST



EXISTING CONDITION - LOOKING SOUTH

VISUAL IMPACT

The existing site is surrounded by distinct existing residential lots. The positioning of the proposed massing follows an appropriate orientation in relation to Folkway Drive, Erin Mills Parkway, Sawmill Valley Drive and Farrier Crescent.

To reflect the scale of residential units along Farrier Crescent and Sawmill Valley Drive, 4-storey townhouses are proposed on the south and southeast of the site.

Apartment Buildings C and E are located within the centre of the development. These 6-storey buildings are set further back to reduce perceived scale impact along street frontages. Apartment Building A is located at the intersection of Erin Mills Parkway and Folkway Drive, this 10-storey block creates a visual anchor along this larger arterial road.

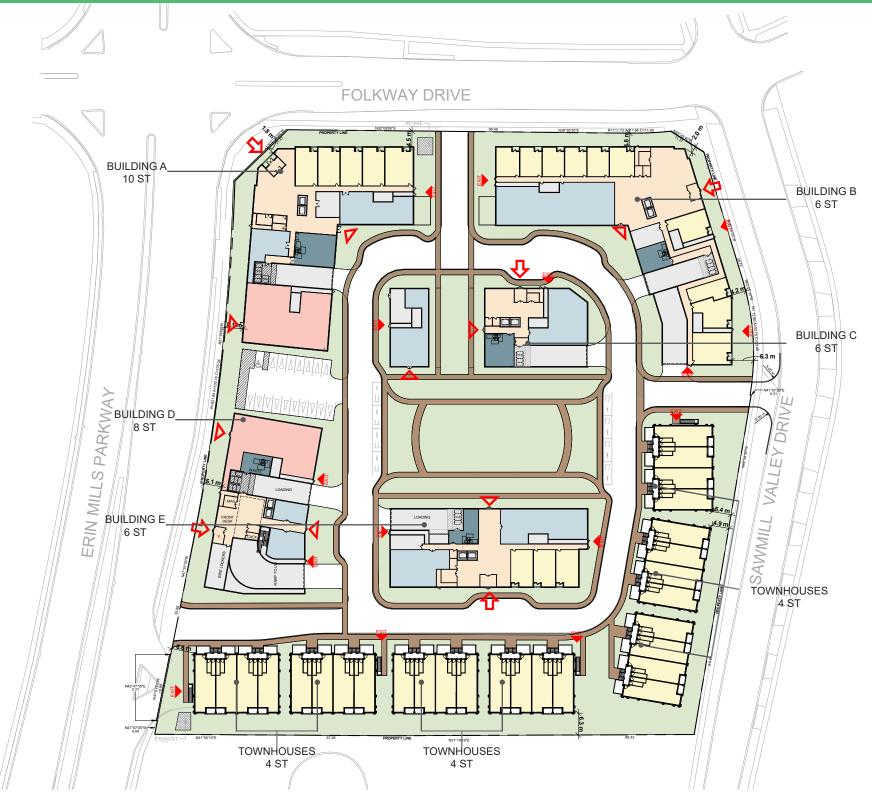
Apartment Building B is located at the intersection of Folkway Drive and Sawmill Valley Drive. It is the transition between the taller Building A and the 4-storey townhouses along Sawmill Valley Drive.

(See page 31 for colour-coded massing diagram)

Mississauga Official Plan Policies Considered

- 9.5.1.3 Site designs and buildings will create a sense of enclosure along the street edge with heights appropriate to the surrounding context.
- 9.5.1.4 Buildings, in conjunction with site design and landscaping, will create appropriate visual and functional relationships between individual buildings, groups of buildings and open spaces.
- 9.5.1.11 New residential development abutting major roads should be designed with a built form that mitigates traffic noise and ensures the attractiveness of the thoroughfare





ENTRANCES & INTERNAL PATHS

LEGEND

RESIDENTIAL - UNIT

RESIDENTIAL - COMMUNAL

AMENITIES

SERVICES

RETAIL

♠ PRIMARY RESIDENTIAL ENTRANCE

△ SECONDARY RESIDENTIAL ENTRANCE

EXIT

WALKWAY NETWORK

The proposal promotes a pedestrian-oriented environment. The sidewalks, and walkways are designed to be continuous, accessible, barrier-free, and well connected to building entrances and amenity spaces. The entrances are easily identifiable with signages and weather protection features. Appropriate lighting will be used along pedestrian paths of travel to signify designated areas of passage and ensure safe circulation.

Mississauga Official Plan Policies Considered

9.5.2.2 Developments will be sited and massed to contribute to a safe and comfortable environment for pedestrians by:

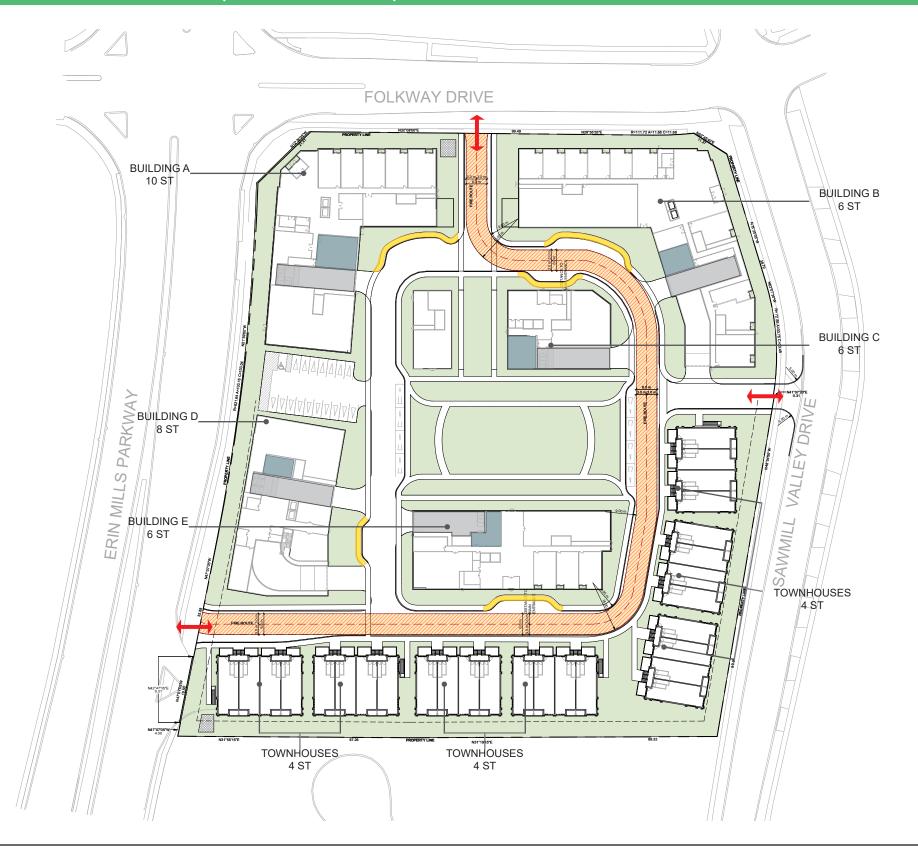
a. providing walkways that are connected to the public sidewalk, are well lit, attractive and safe;

b. fronting walkways and sidewalks with doors and windows and having visible active uses inside;

c. avoiding blank walls facing pedestrian areas; and

d. providing opportunities for weather protection, including awnings and trees.

9.5.2.3 Development proponents will be required to ensure that pedestrian circulation and connections are accessible, comfortable, safe and integrated into the overall system of trails and walkways



ACCESS & SERVICE POINTS

LEGEND

DROP OFF

LOADING

GARBAGE

FIRE ROUTE

← VEHICULAR ACCESS POINTS

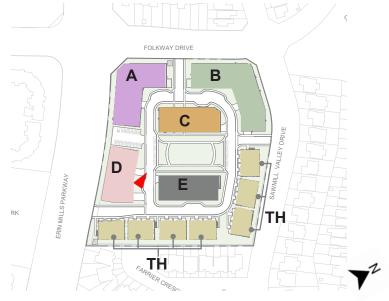
The site will be accessed from Erin Mills Parkway, Folkway Drive and Sawmill Valley Drive via a private condominium road that provides, access to parking and loading areas as well as circulation within the site. The two accesses to the underground parking structure are conveniently located at buildings B and D, on opposite sides of the site.

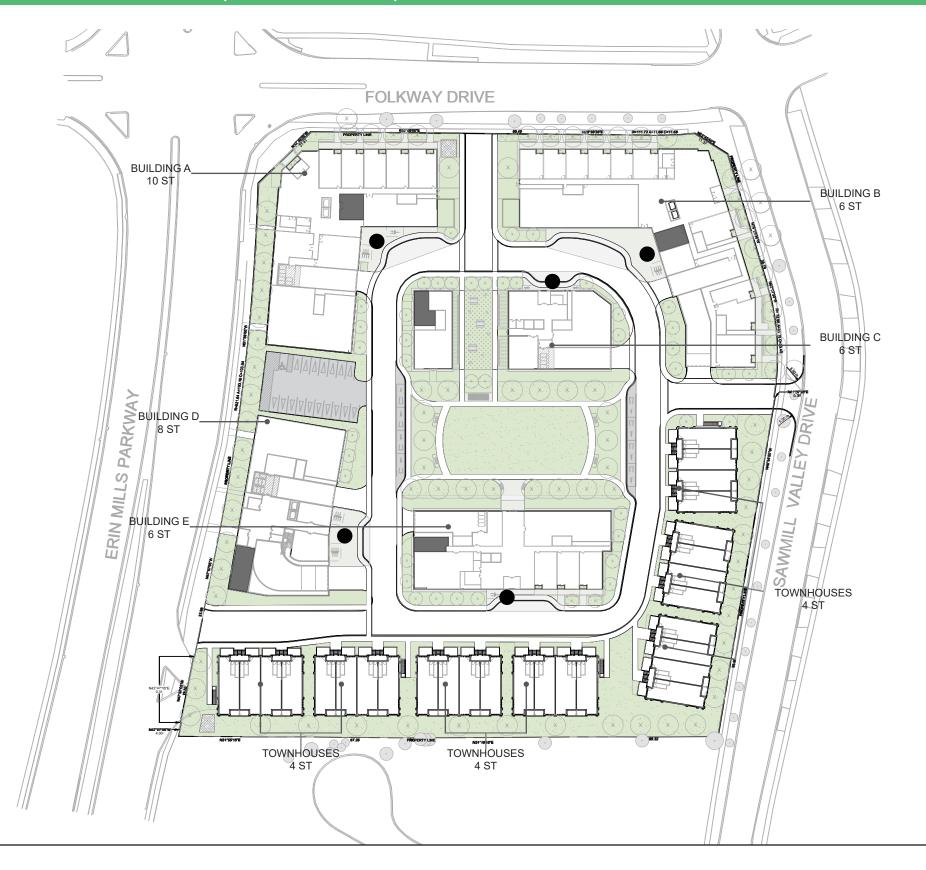
Waste storage areas are enclosed within the building envelope so as not to be visible from the public realm. In efforts to shield servicing areas from public view, townhouse units' waste storage areas are provided in the underground parking structure and share loading spaces and waste collection areas in the midrise blocks.

According to the study by BA Consulting Group Ltd., the swept path for passenger vehicles and garbage collection trucks entering the site is adequate, as well as space for turning and maneuvering.



VIEW OF BUILDING C LOOKING NORTH WEST





VEHICULAR AND BIKE SPACES

LEGEND

LONG TERM BIKE STORAGE

NON RESIDENT PARKING

■ SHORT TERM BIKE STORAGE

Parking has been proposed within two levels of underground parking structure accessed from two entry points at buildings B and D, both integrated into the structure and out of public view.

A total of 914 parking spaces are to be provided, including 773 residential spaces and 141 shared visitor and retail spaces. Twenty percent of residential parking spaces and ten percent of parking will be EV-charger ready.

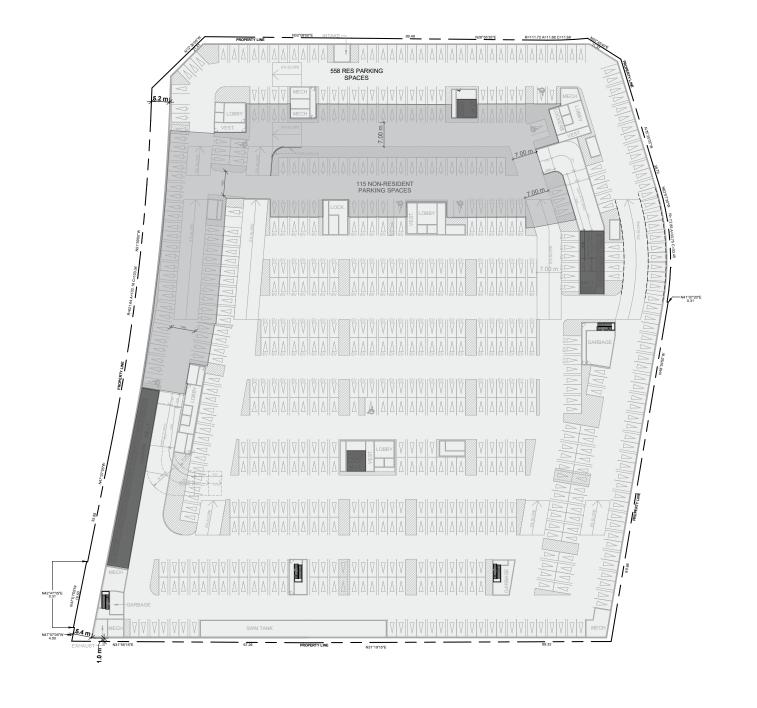
A total of 457 bicycle spaces are proposed for residents, including 422 long-term parking spaces and 35 short-term spaces. Bicycle parking is provided in convenient locations at grade and on the first level of the underground parking structure.

Mississauga Official Plan Policies Considered

9.1.10 The city vision will be supported by site development that:
 Development on Corridors will be encouraged to:
 b. utilizes best sustainable practices;

9.2.2.6 Development on Corridors will be encouraged to:

c. not locate parking between the building and the street;
 g. consolidate access points and encourage shared parking,
 service areas and driveway entrances



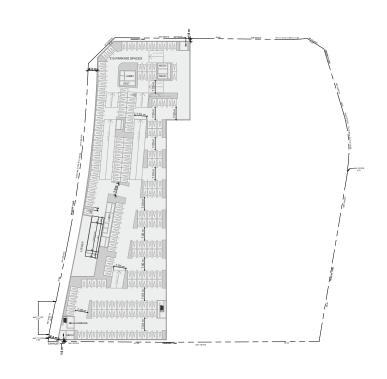
VEHICULAR AND BIKE SPACES

LEGEND

BIKE STORAGE

NON RESIDENT PARKING

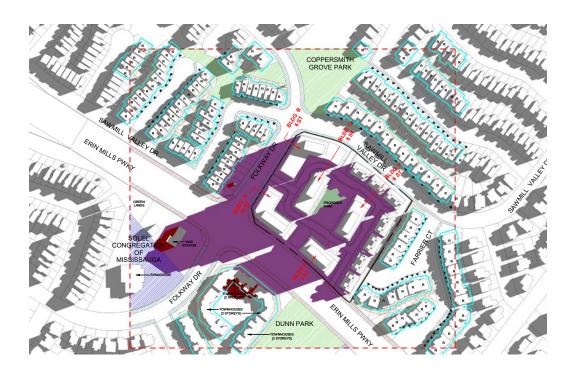
RESIDENT PARKING



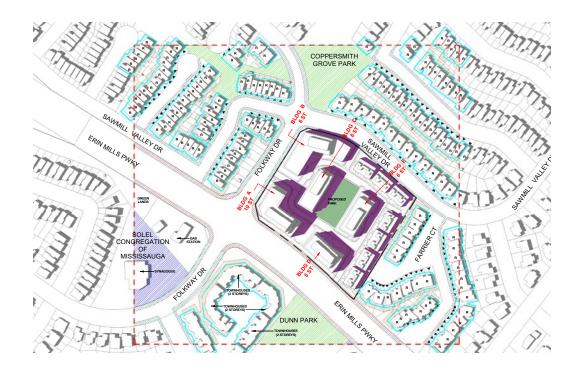
U/G 1 FLOOR PLAN

U/G 2 FLOOR PLAN



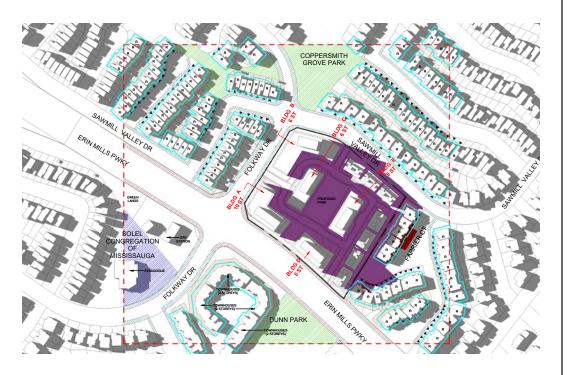


JUNE 21 - 0707 AM



1

JUNE 21 - 0820 AM



JUNE 21 - 1620 PM JUNE 21 - 1920 PM

SHADOW STUDIES

LEGEND

- EXISTING SHADOWS
- NET NEW SHADOWS BY PROPOSED DEVELOPMENT
- OVERLAPPING SHADOWS
- BASE MAP EXTENT * AS PER SHADOW STUDY
- STANDARDS(SHADOW IMPACT REGION)

CRITERIA 3.1

RESIDENTIAL PRIVATE OUTDOOR AMENITY SPACES

- FRONT BUILDING ENTRANCE
- NO IMPACT ZONE (7.5M FROM REAR WALL) OF LOW RISE RESIDENTIAL BUILDING
- R RESIDENTIAL LOW RISE BUILDING

CRITERIA 3.2

COMMUNAL OUTDOOR AMENITY SPACE

TOTAL AREA (APPROXIMATE OF COMMUNAL OUTDOOR SPACE)

CRITERIA 3.3

PUBLIC REALM - OPPOSITE BOULEVARDS

- OPEN SPACE AND PARKS
 - LOW AND MEDIUM DENSITY RESIDENTIAL STREETS
- MIXED USE, COMMERCIAL, EMPLOYMENT AND HIGH DEN-SITY RESIDENTIAL STREETS

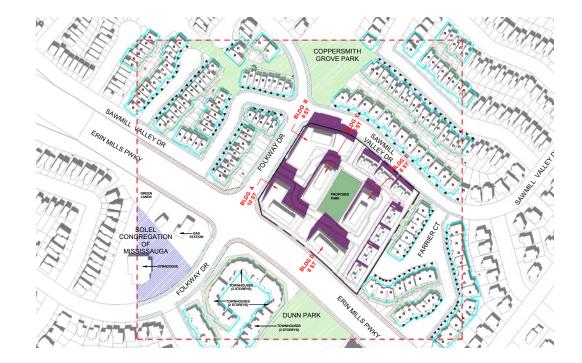
CRITERIA 3.5

IMPACT ON USE OF SOLAR ENERGY

— 3M OFFSET FROM LOW RISE RESIDENTIAL BUILDING



SEPTEMBER 21 - 0835 AM



SEPTEMBER 21 - 1412 PM



SEPTEMBER 21 - 1012 AM



SEPTEMBER 21 - 1748 PM

SHADOW STUDIES

LEGEND

- EXISTING SHADOWS
- NET NEW SHADOWS BY PROPOSED DEVELOPMENT
- OVERLAPPING SHADOWS
- BASE MAP EXTENT * AS PER SHADOW STUDY
- STANDARDS(SHADOW IMPACT REGION)

CRITERIA 3.1

RESIDENTIAL PRIVATE OUTDOOR AMENITY SPACES

- FRONT BUILDING ENTRANCE
- NO IMPACT ZONE (7.5M FROM REAR WALL) OF LOW RISE RESIDENTIAL BUILDING
- R RESIDENTIAL LOW RISE BUILDING

CRITERIA 3.2

COMMUNAL OUTDOOR AMENITY SPACE

TOTAL AREA (APPROXIMATE OF COMMUNAL OUTDOOR SPACE)

CRITERIA 3.3

PUBLIC REALM - OPPOSITE BOULEVARDS

- OPEN SPACE AND PARKS
 - LOW AND MEDIUM DENSITY RESIDENTIAL STREETS
- MIXED USE, COMMERCIAL, EMPLOYMENT AND HIGH DEN-SITY RESIDENTIAL STREETS

CRITERIA 3.5

IMPACT ON USE OF SOLAR ENERGY

3M OFFSET FROM LOW RISE RESIDENTIAL BUILDING



DECEMBER 21 - 0919 AM



DECEMBER 21 - 1317 PM DECEMBER 21 - 1417 PM



DECEMBER 21 - 1117 AM



SHADOW STUDIES

LEGEND

EXISTING SHADOWS

NET NEW SHADOWS BY PROPOSED DEVELOPMENT

OVERLAPPING SHADOWS

■ BASE MAP EXTENT * AS PER SHADOW STUDY

■ STANDARDS(SHADOW IMPACT REGION)

CRITERIA 3.1

RESIDENTIAL PRIVATE OUTDOOR AMENITY SPACES

FRONT BUILDING ENTRANCE

NO IMPACT ZONE (7.5M FROM REAR WALL) OF LOW RISE RESIDENTIAL BUILDING

R - RESIDENTIAL LOW RISE BUILDING

CRITERIA 3.2

COMMUNAL OUTDOOR AMENITY SPACE

TOTAL AREA (APPROXIMATE OF COMMUNAL OUTDOOR SPACE)

CRITERIA 3.3

PUBLIC REALM - OPPOSITE BOULEVARDS

OPEN SPACE AND PARKS

LOW AND MEDIUM DENSITY RESIDENTIAL STREETS

MIXED USE, COMMERCIAL, EMPLOYMENT AND HIGH DEN-SITY RESIDENTIAL STREETS

CRITERIA 3.5

IMPACT ON USE OF SOLAR ENERGY

— 3M OFFSET FROM LOW RISE RESIDENTIAL BUILDING

As per the standard requirements of shadow studies of the City of Mississauga, the analysis was conducted for the dates of March 21, June 21, September 21, and December 21 at all required reference times.

SHADOW MODELLING INFORMATION

 Site latitude and longitude of the subject site at 4099 Erin Mills Parkway, Mississauga, ON L5L 3P9 are as follows:

Latitude: 43° 33' 3.2148" Longitude: -79° 41' 15.846"

2. Time Zone: Eastern

Standard Time: UT – 5 hours (December 21st)

Daylight Time: UT – 4 hours (March 21, June 21st and September 21st)

- Astronomic North was determined based on the North Arrow on Survey plan Block II Registered Plan M-247 prepared by J.D. BARNES Ltd. dated January 4, 2022.
- 4. The source of the base plan is a combination of property data obtained from the City of Mississauga and the land survey by J.D. BARNES Ltd. 4099 Erin Mill's proposed and built massing provided by Turner Fleischer Architects Inc.

Other existing surrounding building mass and heights were approximated based on Google Maps

- The source of the proposed building model was provided by the architect, Turner Fleischer Architects Inc.
- 6. Site Orientation:

The site is bound by

Erin Mills Pkwy and Folkway Dr Intersection on Northwest: N12°08'00"E

Folkway Dr on North: N32°08'00"E, N28°55'35"E

Folkway Dr Sawmill Valley Dr Intersection on Northeast: N63°45'40"E

Sawmill Valley Dr on East : N75°25'35"W , N62°07'30"W , N41°07'20"E , N48°54'50"W

Farrier Ct Townhouses on South: N31°55'15"E, N31°19'15"E

Erin Mills Pkwy on West: N42°47'35"E, N47°07'05"W, N51°59'00"

7. Shadow Studies are conducted assuming site is flat and is at +158.6M

REVIEW OF SHADOW CRITERIA

Review of Shadow Criteria

Criterion 3.1 - Residential Private Outdoor Amenity Spaces - Jun 21 and Sep 21

Proposed shadows reach properties on northwest on June 21 between 07:07 to 07:20, but they are not shadowed for more than two consecutive hourly test times*. See drawing SPA812.

Proposed shadows reach townhouses on southeast on June 21 between 17:20 to 19:33, and they are not shadowed for more than two consecutive hourly test times*. See drawing SPA815.

Proposed shadows reach private amenity spaces of the townhouses west of the site on September 21 between 08:35 to 10:12, and they are shadowed for more than two consecutive hourly test times*. See drawing SPA816.

Proposed shadows reach private amenity spaces of the townhouses north of the site on September 21 between 17:12 to 17:48, and they are not shadowed for more than two consecutive hourly test times*. See drawing SPA816.

* 'Hourly test times' are assumed to be 1 hour in duration each.

The 'Consecutive hourly test' period does not exceed two hours.

Criterion 3.2 - Communal Outdoor Amenity Areas - Jun 21, Sep 21 and Dec 21

Refer to table on SPA812

1- Coppersmith Grove Park

Proposed shadows shadow a small corner of the south corner of the Coppersmith Grove Park on December 21 from 09:19 to 15:15. But it still meets the criteria as the sunfactor is more than 0.5. (calculate sun factor, avg. of total area in sunshine at all times / total area of the park). See drawing SPA819 and SPA820.

2- Dunn Park

Proposed shadows do not affect Dunn Park area.

3- Proposed Outdoor Amenity Space.

The criterion is not met for the proposed Outdoor Amenity Area for September 21 and December 21. See drawing SPA816 - SPA820.

However, the sun access factor on September 21 is 49.9%, only 0.1% lower than the requirement. We will carefully design the MPH of Buildings D & E to minimize their shadow impact to meet this criterion.

While the criterion is not met for December 21, we believe the outdoor amenity area is at the most appropriate location. It could have been placed at the south corner of the subject site to gain daylight in the winter months. However, by placing it in the centre of the development, it's shielded from the traffic and the noise of the public streets and provides a safer gathering space for the community.

Criterion 3.3 - Public Realm - Sep 21

We identify Folkway Dr as a low and medium-density residential street. Proposed shadows reach the sidewalk and cover it from 9:12 to 11:12 on September 21. See drawing SPA816.

We identify Sawmill Valley Dr as a low and medium-density residential street. Proposed shadows reach the northwest sidewalk at 17:12 on September 21. See drawing SPA818.

We identify Erin Mills Pkwy as a high-density residential street. Proposed shadows do not reach the opposite boulevard or sidewalk at any of the time intervals and therefore meets the criteria.

Criterion 3.4 - Turf and flower gardens in public parks - Sep 21

N/A.

Criterion 3.5 - Building Faces to allow for the possibility of using solar energy - Sep 21

Proposed shadows reaches the northwest townhouses of 4195, 4191 and 4185 Sawmill Valley Dr, at just 17:48pm on September 21. But this still meets the criteria.

SHADOW STUDIES

SHADOW STUDIES

Table 1. Summary

Month	Time	Criterion 1	Criterion 2	Criterion 3	Criterion 4	Criterion 5	Notes/ Explanations	
Month	Time	Met/Not Met	Met/Not Met	Met/Not Met	Met/Not Met	Met/Not Met	Notes/ Explanations	
	7:07	Met					Criterion 1 met although no impact zone shadowed by proposal . This does not occur for more than two consecutive hours.	
	7:20	Met					Criterion 1 met although no impact zone shadowed by proposal . This does not occur for more than two consecutive hours.	
	8:20	Met]					
	9:20	Met						
	10:20	Met						
	11:20	Met			n/a - no Turf and			
June 21st	12:20	Met	Met	n/a for date	flower gardens	n/a for date		
	13:20	Met			in Public Parks			
	14:20	Met						
	15:20	Met						
	16:20	Met						
	17:20						Criterion 1 not met as no impact zone is shadowed by proposal for more than two consecutive hourly test times between 17:20	
	18:20	Not Met					to 19:33. Only a very minimal part of the no	
	19:20	Not Met					impact zone is shadowed at 17:20 (refer to	
	19:33	Not Met	1				SPA814).	
	8:35	Not Met				Not Met	Criterion 1 and 5 not met as no impact zone is	
	9:12	Not Met				Not Met	shadowed by proposal for more than two	
	10:12	Not Met				Not Met	consecutive hourly test times between 17:20 to 19:33 (refer to SPA816).	
	11:12	Met	1			Met		
	12:12	Met	1			Met		
	13:12	Met	1			Met		
	14:12	Met	1		n/a - no public	Met		
Sept 21st	15:12	Met	Met	See Table 3	parks within	Met		
Sept 21st	16:12	Met	IVIEC	See Table 5	study region	Met		
	17:12	Met*			study region	Met	Criterion 1 and 5 met although no impact zone shadowed by proposal . This does not occur for more than two consecutive hourly test times for both cases.	
	17:48	Met*				Met	Criterion 1 and 5 met although no impact zone shadowed by proposal . This does not occur for more than two consecutive hourly test times for both cases.	
Month	Time	Criterion 1	Criterion 2	Criterion 3	Criterion 4	Criterion 5	Notes/ Explanations	
	0.40	Met/Not Met	Met/Not Met	Met/Not Met	Met/Not Met	Met/Not Met		
	9:19							
	10:17				_/			
	11:17	- /- 6 4-4-		-1-6	n/a - no public	- /		
Dec 21st	12:17	n/a for date	Met	n/a for date	parks within study region	n/a for date		
	13:17							
	14:17							
	15:15							

Table 2. Criteria 2

			nith Grove I			Dunn Park				nenity Area
		Sun Coverage*	Percentage	Date Average	Sun Coverage*	Percentage	Date Average	Sun Coverage*	Percentage	Date Averag
	7:07	45 455 34								
	7:07	15,455.34	100.00%		25,787.86	100.00%		518.80	25.71%	
			100.00%		25,767.00	100.0076		310.00	25.7176	
	7:20	15,455.34								
	7.20	13,133.51	100.00%		25.787.86	100.00%		671.96	33.30%	
	8:20	15,455.34	100.00%		25,787.86			958.10	47.48%	
	9:20	15,455.34	100.00%			100.00%		1,180.88	58.52%	
	10:20	15,455.34	100.00%		25,787.86	100.00%		1,419.79	70.36%	
	11:20	15,455.34	100.00%		25,787.86	100.00%		1,661.34	82.33%	
une 21st	12:20	15,455.34	100.00%	100.00%	25,787.86	100.00%	100.00%	1,897.23	94.02%	55.85%
	13:20	15,455.34	100.00%		25,787.86			2,017.90		
	14:20	15,455.34	100.00%		25,787.86			2,017.90		
	15:20	15,455.34	100.00%		25,787.86			1,951.51	96.71%	
	16:20	15,455.34	100.00%		25,787.86	100.00%		1,578.60	78.23%	
	17:20	15,455.34	100.00%							
	18:20	15 455 24	100.00%			100.00%		958.70	47.51% 3.51%	
	19:20	15,455.34 15,455.34	100.00%		25,787.86 25,787.86			70.83 0.20	0.01%	
	19:33	15,455.34	100.00%		25,787.86			0.20	0.01%	
	8:35	15,455.34	100.00%		25,787.86			304.50	15.09%	
	9:12	15,455.34	100.00%		25,787.86			257.48	12.76%	
	3.11	15,455.54	100.0070		23,707.00	100.0070		237110	12.7070	
	10:12	15,455.34	100.00%		25,787.86	100.00%		452.41	22.42%	
	11:12	15,455.34	100.00%		25,787.86	100.00%		1,057.98	52.43%	
	12:12	15,455.34	100.00%			100.00%		1,489.01	73.79%	
	13:12	15,455.34	100.00%		25,787.86	-		1,831.45	90.76%	
	14:12	15,455.34	100.00%		25,787.86			2,017.90		
24	15:12	15,455.34	100.00%	100.000	25,787.86		400.000/	1,910.35	94.67%	40.000/
ept 21st	16:12	15,455.34	100.00%	100.00%	25,787.86		100.00%	1,483.96	73.54%	49.89%
	17:12	15,455.34	100.00%		25,787.86			250.04	12.88%	
	17:48	15,455.34	100.00%		25,787.86	100.00%		259.91	0.47%	
	17.40	13,433.34	100.00%	130,000	9.48	3.4776				
								9.48		
	0.40	45 452 42	00.040		25 707 05	400.000		500.05	2.740/	
	9:19 10:17	15,152.42	98.04% 99.34%		25,787.86 25,787.86	100.00%		698.85 4,126.06		
	10:17	15,353.33 15,058.14	99.34%		25,787.86			974.78	3.78%	
Dec 21st	12:17	14,779.94	95.63%	97.31%	25,787.86		100.00%	1,400.28	5.43%	14.58%
	13:17	14,690.30	95.05%	37.3170	25,787.86		100.0070	3,744.40	14.52%	17.5070
	14:17	14,868.04	96.20%		25,787.86			698.85	2.71%	
	15:15	15,379.61	99.51%		25,787.86			14,678.45	56.92%	

Table 3. Cr	iteria 3	Low/ Medium Density	High Density
	8:35		
	9:12	Not Met	Met
	10:12	Not Met	Met
	11:12	Not Met	Met
	12:12		
	13:12		
	14:12		
Sept 21st	15:12	Met	Met
SCPI LIST	16:12	Met	Met
	17:12	Not Met	Met
	17:48		
SUMMARY		Not Met	Met

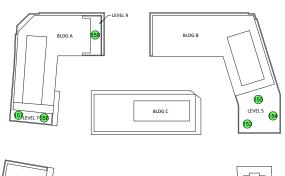
* The criteria is not met at Folkway Drive west sidewalk and Sawmill Valley Drive north sidewalk. Refer to SPA816 and SPA818

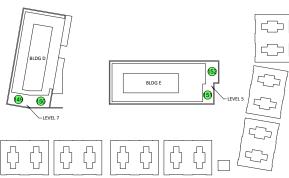
Mississauga Official Plan Policies Considered

9.2.2.3 While new development need not mirror existing development, new development in Neighbourhoods will:

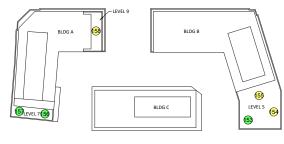
> d. minimize overshadowing and overlook on adjacent neighbours;

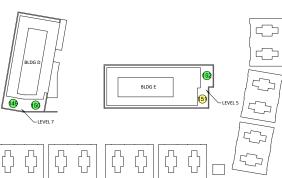






Terraces - Summer





Terraces - Winter

WIND COMFORT AND SAFETY

LEGEND

SITTING

STANDING

WALKING

PEDESTRIAN LEVEL WIND STUDY

The Pedestrian Level Wind (PLW) study conducted by Gradient Wind Engineers & Scientists includes wind tunnel measurements of pedestrian wind speed using scaled models combined with meteorological data. The study targeted areas such as sidewalks, walkways, laneways, parking areas, landscape spaces, outdoor amenity areas, public transit stops and building access points. Wind comforts were also considered in the terraces for building A, B, D, and E.

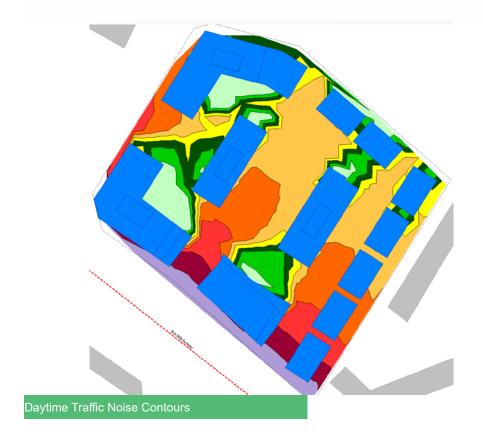
Overall, the study found:

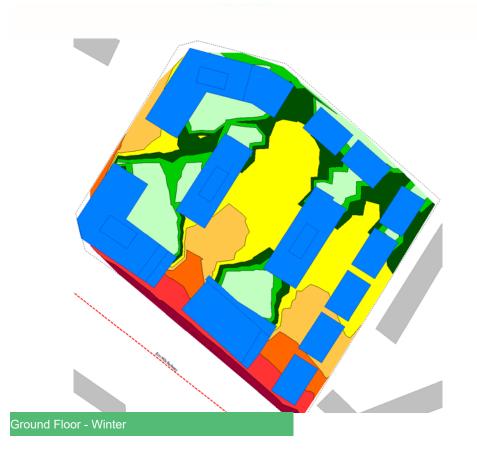
- Conditions over most pedestrian-sensitive areas within and surrounding the development site will be acceptable for the intended pedestrian use on an annual and seasonal basis.
- In comparison to the existing versus future wind comfort, the north area of the site remains unchanged
- There were Improvements in wind comfort along the south and west of the site and where there is a reduction in comfort, conditions remain acceptable for intended uses.

Mississauga Official Plan Policies Considered

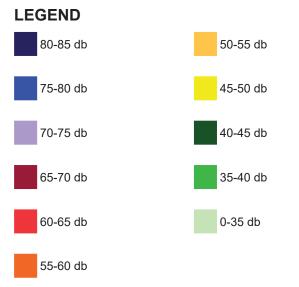
9.5.1.2 Developments should be compatible and provide appropriate transition to existing and planned development by having regard for the following elements:

j. views, sunlight and wind conditions;





NOISE



ROADWAY TRAFFIC NOISE FEASIBILITY

The Roadway Traffic Noise Feasibility Assessment conducted by Gradient Wind Engineers & Scientists was completed to satisfy the requirements for a Zoning By-Law Amendment (ZBA) application submission.

Overall, the study found:

- Daytime Period (07:00-23:00) noise levels will range between 40 to 72 dBA
- Nighttime Period (23:00-07:00) noise level will range between 33 to 65 dBA
- The highest noise level of 72 dBA occurs at the south façade of building A and D
- Mitigation such as upgrading building components like AC units to maintain a comfortable living environment is required in later stages.
- Noise control measures is required in time for Site Plan Approval to reduce the noise level below 55dBA in the communal amenity space. For this stage, no mitigation is recommended.

Mississauga Official Plan Policies Considered

9.5.1.11 New residential development abutting major roads should be designed with a built form that mitigates traffic noise and ensures the attractiveness of the thoroughfare



3.1 CONCLUSION



SUMMARY

This Urban Design Study concludes that the proposed development embodies a desirable improvement and densification of the existing site. With the provision of stepped built form, active ground floor uses, a well-planned pedestrian network, upgraded streetscaping and the creation of open green space, we believe the proposal is consistent with the vision and principles set in the policies of the Mississauga Official Plan.

- The proposal provides a sensitive connection to the existing context and surrounding community and considers the impacts of wind, noise, and shadows.
- The proposal offers a high-quality, attractive, and timeless architectural design that will add to the visual appeal of the Erin Mills neighbourhood.
- The proposal offers ample amenity space that is family-oriented and engaging and retail opportunities that animate the public realm.
- The proposal with its pedestrian-friendly streetscapes creates safe and attractive places to live, shop, and gather.

VIEW OF BUILDING A LOOKING WEST

