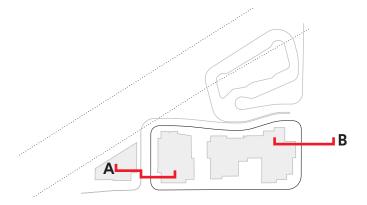
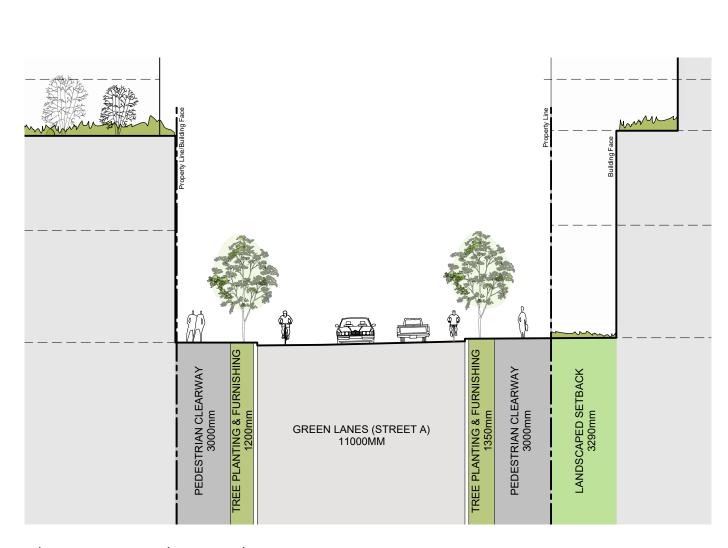
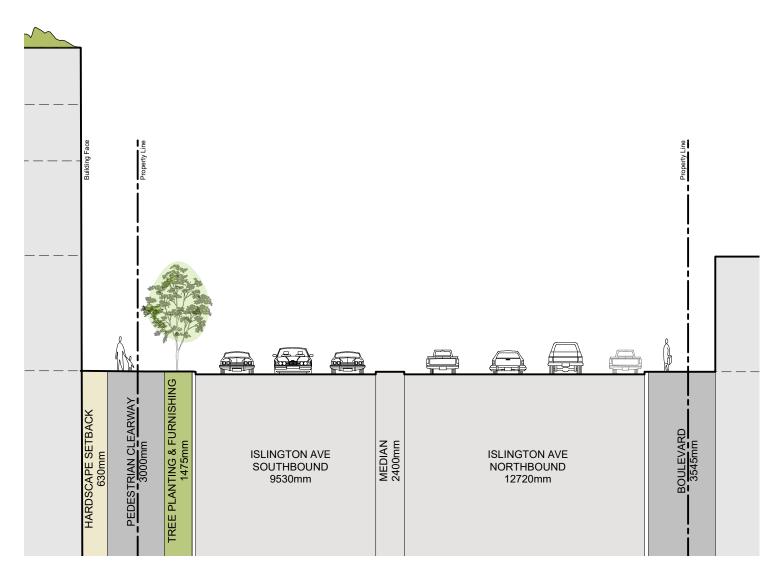
Street Sections*

*Conceptual and subject to further review



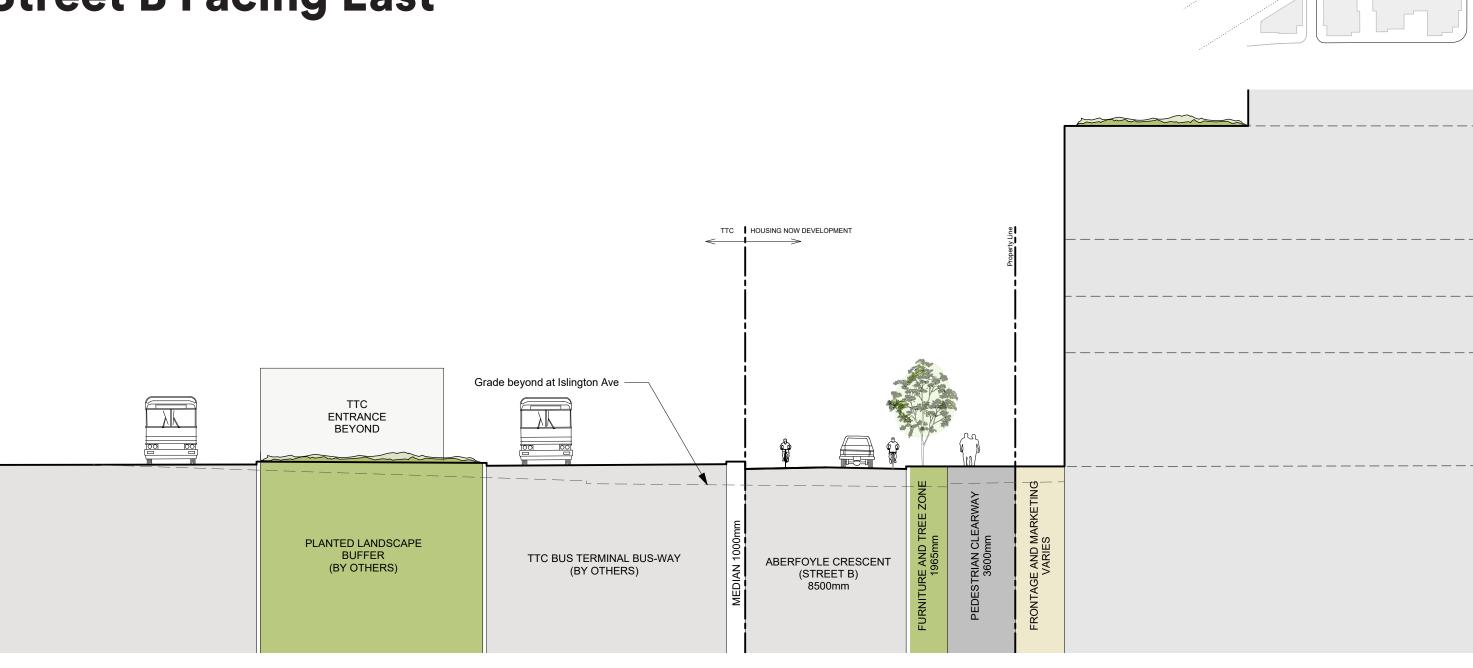


A) Green Lanes (Street A) Facing North

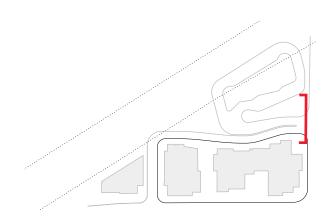


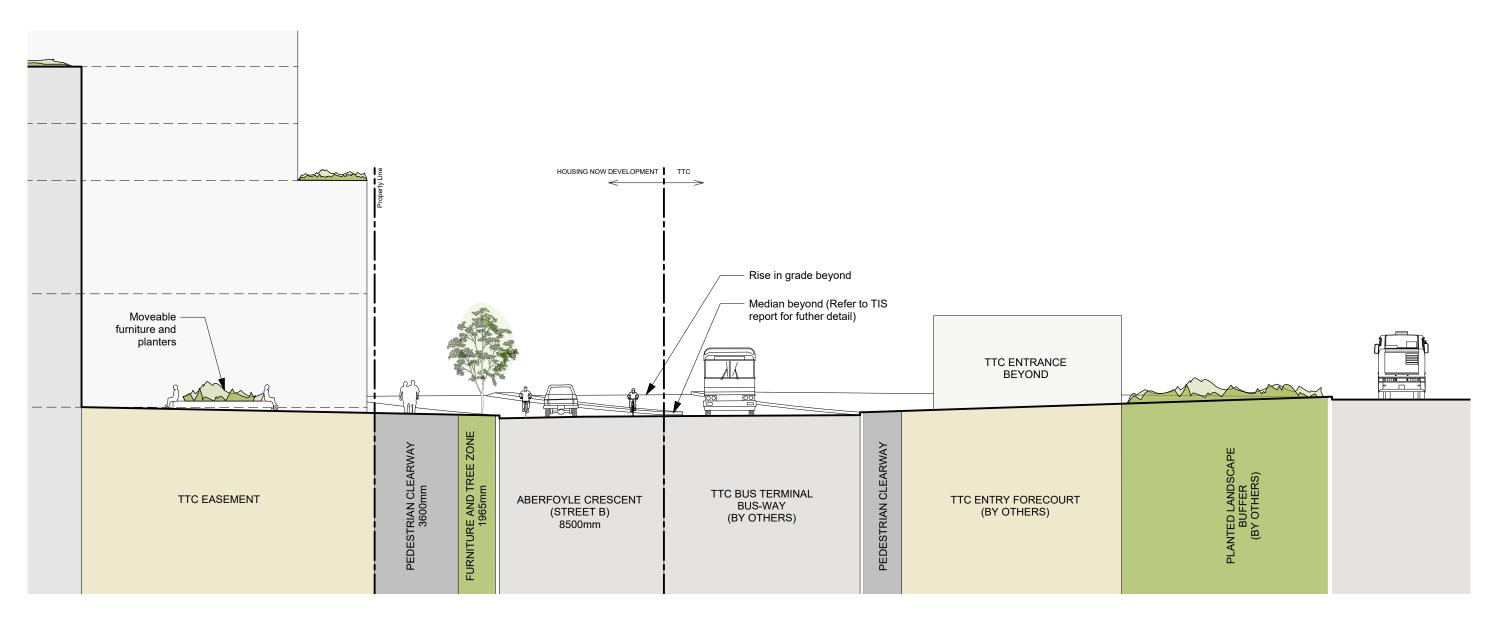
B) Islington Avenue Facing North

Street Section Street B Facing East



Street Section Aberfoyle Crescent (Street B) Facing West





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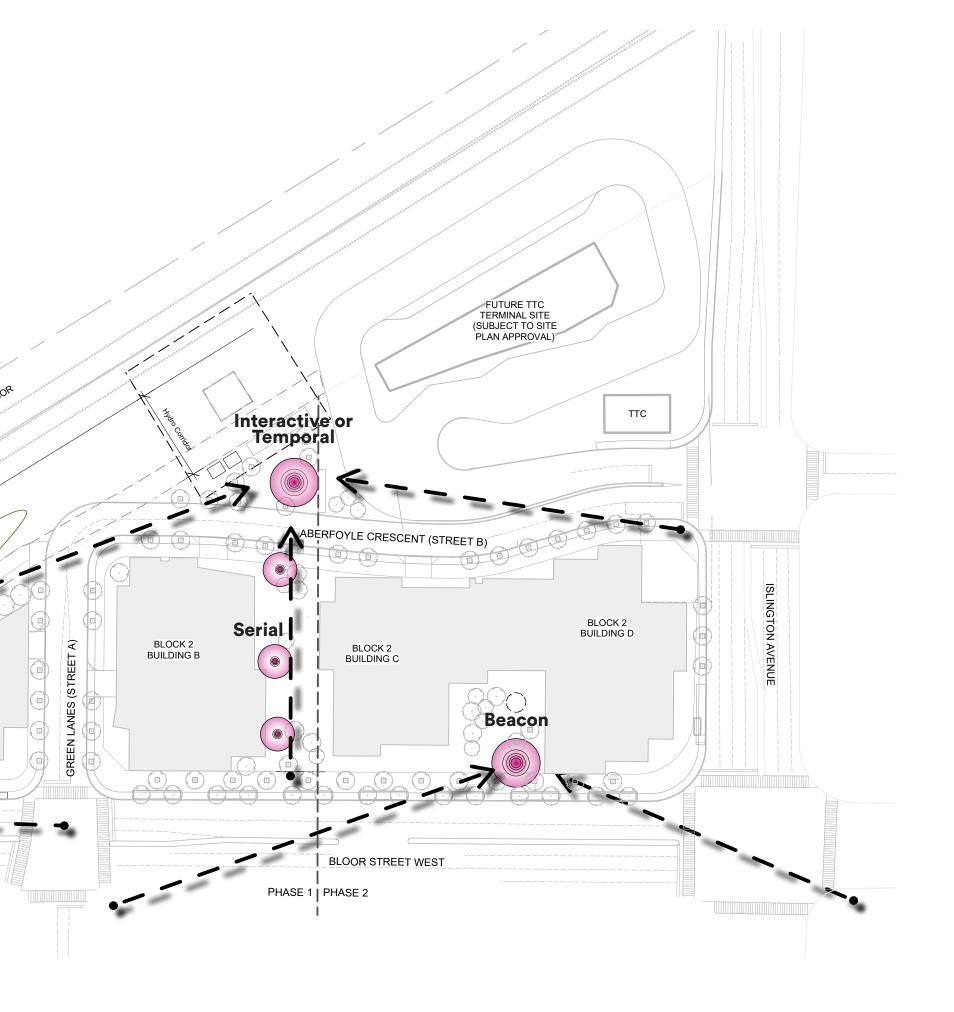
Potential Public Artworks

Potential Public artwork is proposed throughout the development to provide community activation and engagement and to function as beacons and landmarks that mark specific moments and help orient and guide people through the neighbourhood. Artwork can be stand-alone, in a group or a series, and could be interactive, temporary, or permanent, depending on the location.

Public artwork should be a contributor and catalyst to help restore an Aboriginal presence in the public realm. Art should recognize and expand on local area history and narratives, and make positive symbolic connections and narratives to honour both Indigenous belonging and the Indigenous Place, and all the relationships that have built this area.

Gateway on Trail

BLOCK 1 BUILDING A



Gateway Under Bridge

Gateway

The Rail Corridor Bridge along Bloor Street West offers an opportunity to introduce a Public Artwork that marks the entry into the Bloor-Islington site from the west. Artwork(s) could be serial, marking the passage to the bridge from the street or trail, and/or integrated into the underside of the walls of the bridge. This artwork should appeal to the speed of pedestrians, cyclists, and motorists.







Beacon

Within the Courtyard Area (PAS C), the artwork should be highly visible and have a strong presence within the space. It will act as a prominent beacon along the Bloor Street West streetscape and should engage users in all directions, and at different times of the day.







Interactive or Temporal

In the Publicly Accessible Space A (PAS A) to the north of the Through-Block Landscaped Connection (PAS B), the artwork should be interactive, explorable, and usable. It should be an artwork that draws people into PAS A and sparks play and joy.







Serial

The Through-Block Landscaped Connection (PAS B) offers an opportunity for serial art. This could be temporary, permanent, or interactive, but due to its serial nature, it propels the user along through the space.







Physical [Landscape] Features

For the Creation and Enhancement of Outdoor Spaces

Architectonic Elements

Walls, stairs, site furnishings, and other hardscape elements are important aspects of how urban space is shaped for a variety of experiences and uses. These elements create a diversity of socio-spatial opportunities for urban residents ages 8-80 years, through formal configurations and space making gestures.



Navy Yards Central Green, Philadelphia PA, Field Operations







Landforms / Berms

Landforms should be used to enhance sightlines, create a variety of spaces within more open areas allowing for framing views, privacy, and also to provide noise and visual barriers adjacent to the railway tracks.







Canopy Cover

Tree planting is a critical component of the urban streetscape and public space making kit of parts. Canopy cover provides comfort in the form of shade and windbreaks, as well as reducing the urban heat island effect, stormwater attenuation, and air quality improvement. As with planting, tree cover also contributes to the ecological functions of the landscape.







Plantings provide a variety of benefits including the creation and separation of spaces, increased

the creation and separation of spaces, increased aesthetic pleasure through texture and colour, cooling effects, providing biodiversity and habitat for other species, and even food opportunities. Plant selection should be predominantly native per City of Toronto standards, low maintenance, drought-tolerant, and site appropriate.

Planting



Socio-Spatial [Landscape] Features

To Support Gathering and Other Social Functions of Public Space

Gateways and Nodes

Gateways and nodes are important public realm elements that indicate significant spaces, and are critical for wayfinding, placemaking and identity. Gateways form important thresholds to open spaces such as parks and plazas, guiding pedestrians from one space to another. Nodes provide visual cues that help to orient people in a neighbourhood, create recognizable centres, and identify significant social spaces.



Views and Sightlines

As part of a vibrant open space system, views

and sightlines perform a critical function. Visible

connections along circulation routes, as well as

views into adjacent open spaces create a sense of

community and connection, help to orient residents

and visitors, and contribute to a sense of safety and

security (Eyes on the street).









Passages and Courtyards

Passages and courtyards combine to create a network of open spaces with a cohesive design expression to support circulation needs, as well as creating a sense of place and community identity. An abundant and diverse typology of open space between buildings creates a human scale environment, and is essential to the urban experience within dense and intensified communities.







Porous Edges

Edge considerations should demarcate boundaries between different spaces, while remaining porous to allow fluid movement between different parts of the neighbourhood. This allows for ease of circulation, as well as a sense of spatial distinction. Edges are also highly social spaces, where different user groups activate, engage, and exchange.









Programmatic [Landscape] Features

Fostering Diverse Opportunities for Engagement with the Public Realm

Playgrounds

With limited open space opportunities, the goal should be to maximize playground opportunities with a mix of small but rich play areas-naturalistic, discovery oriented, environments, as well as play structures tactfully integrated with buildings, and compact, linear play structure design. Playgrounds should include amenities for adult exercise as well.



Trails

Connectivity is one of the four driving principles of the urban fabric in this neighbourhood. Trails are an important feature, which includes a focus on multimodal, accessible, and varied linkages to connect the neighbourhood for pedestrians and cyclists alike, while providing access to naturalized spaces for active programming.











Community Gardens

One of the biggest threats to equity in urban neighbourhoods is food deserts. Community gardens should be essential features as they provide food sovereignty and security, as well as promoting a sense of community engagement and stewardship among neighbourhood residents.



Public Art

Public art is not only a valuable aesthetic component of the urban realm, but is also a cultural amenity for identity and placemaking. The production of permanent and temporary art works, contributes value to the economy of a neighbourhood and the cultural/arts community. Public art must celebrate and make linkages to the diverse heritage of residents and connect to the indigenous heritage of this land.











Healthy Urban Canopy

Planning and Maintenance of Trees for Longevity and Resilience

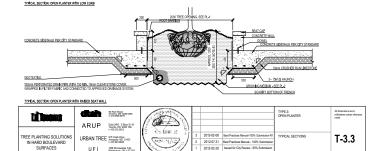
Soil Volume: the Right Tree in the Right Place

In order to ensure that trees will grow to their full potential in an urban environment, they need to be provided with adequate soil. The City of Toronto Urban Forestry guidelines require a minimum of 30m³ of soil per tree.

In addition, trees should not be planted in isolation if at all possible, as they share very important chemical and biological functions which allow them to be more robust as a group. It is recommended that spacing be 8-10m between trees to allow them to reach large canopy size.

There are many options for tree plantings in urban situations. Open planting beds with other plants around them, minimal 1.2m² openings with covered continuous tree trenches, and tree grates combined with tree trenches are a few of the most common options for streetscape tree plantings as recommended by the City of Toronto. Where there are restrictions on soil extents due to paving or vehicular requirements, structural cells are

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required to maintain adequate soil volume and prevent compaction. This is critical for health of the tree root zone; without adequate and well aerated soil, the trees will stunt and eventually perish in confined streetscape plantings. The City of Toronto's 'Tree Planting Solutions in Hard Boulevards' are recommended best practices in soil provision for urban trees.

In addition to streestcape tree planting, other soil considerations for trees include park plantings, where trees should be given adequate space from paths to reduce compaction from foot traffic, and in private or public hardscaped plazas, appropriate minimum soil allowances should be given to ensure maximum tree health. This includes minimum 1.2m deep and 30m³ volume nutrient rich soil for tree plantings (per tree).

Ensuring maximum water percolation to the root zone of urban trees is another critical factor in ensuring tree health after the need to reduce compaction with the use of structural soil cells. This means that where ever possible, use of planting beds around trees, or tree grates are recommended. Where space for these options does not allow, at minimum, permeable pavements should be used.

Rooftop tree plantings should also allow for adequate soil volumes to ensure healthy trees. This means no less than 1.2m depth soils and minimum volumes of 30m³ per tree.

(References: James Urban 'Up By Roots', Tree Canada 'Compendium of Best Urban Forest Management Practices' at www.treecanada.ca, and City of Toronto 'Tree Planting Solutions in Hard Boulevards')







Maintenance Best Practices: Irrigation, Pruning, Mulching

In order to ensure the urban canopy is robust, healthy, and long-lived, appropriate maintenance regimes are just as important as planting trees to see the trees in streetscapes, courtyards, softscape areas, and private spaces alike not only survive, but thrive.

Water is one of the most important aspects of tree maintenance. Adequate watering is difficult to gauge, but newly planted trees should be watered regularly (twice a week) for a minimum of the first five years of their lives. Watering should be done even for mature trees whenever there is drought to ensure long term tree health. Trees may not show serious symptoms until the years following a drought, so watering is recommended whenever there is a rain shortage.

Mulching and pruning are also critical aspects of tree maintenance in the urban environment. Mulching helps to protect the root zone from compaction, and help the trees retain water. This should be done with natural mulches such as chipped bark, compost, or wood chips to a depth of no more than 10cm, and never directly in contact with the trunk.

Pruning is most often done for safety and aesthetic reasons, but should always be done by a professional as timing and quantity of limb removals can dramatically affect the health and longevity of urban trees.







Tree Recommendations for Streetscapes, Courtyard and Through-Block

Diversity and Hardiness

Street Trees

Principles of selection:

- good canopy cover, spread
- pollution and salt tolerant
- compaction tolerant
- diverse, mix of size and species

Large Shade Tree (Streetscape):

- 1. Kentucky Coffee Tree
- 2. White Oak
- 3. Black Gum
- 4. Hackberry
- 5. Red Maple

(Refer to City of Toronto Tree Guide, which recommends many urban hardy species)

Courtyards + Through-Block

- shade tolerant
- compaction tolerant
- form that suits the constraints of the space
- diverse, mix of size and species
- Open and airy to allow more filtered light

Recommended Species include:

- 1. Trembling Aspen
- 2. Blue Beech
- 3. Redbud
- 4. Birch











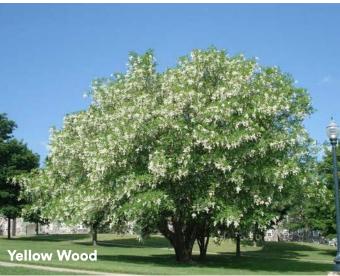


















Tree Recommendations for Rooftops

Diversity and Hardiness

Rooftops

Smaller trees rather than shrubs should be planted on rooftops where possible. In the event that trees cannot be supported with adequate soil, small trees/shrubs are recommended. In general, trees and shrubs should have the following characteristics:

- drought tolerant
- wind tolerant
- shallow root system
- smaller, can tolerate stunting
- diverse, mix of sizes of trees and smaller shrubs where 1.2m depth soil* is not possible (however shrubs still will require a minimum soil depth of 0.9m)

Small shrub / trees:

- 1. Dogwood
- 2. Chokecherry
- 3. Serviceberry
- 4. Nannyberry

Medium canopy trees (*require minimum 1.2m depth soil and 30m³ volume of soil per tree):

- 1. Hawthorn
- 2. Aspen
- 3. Oak
- 4. Maple







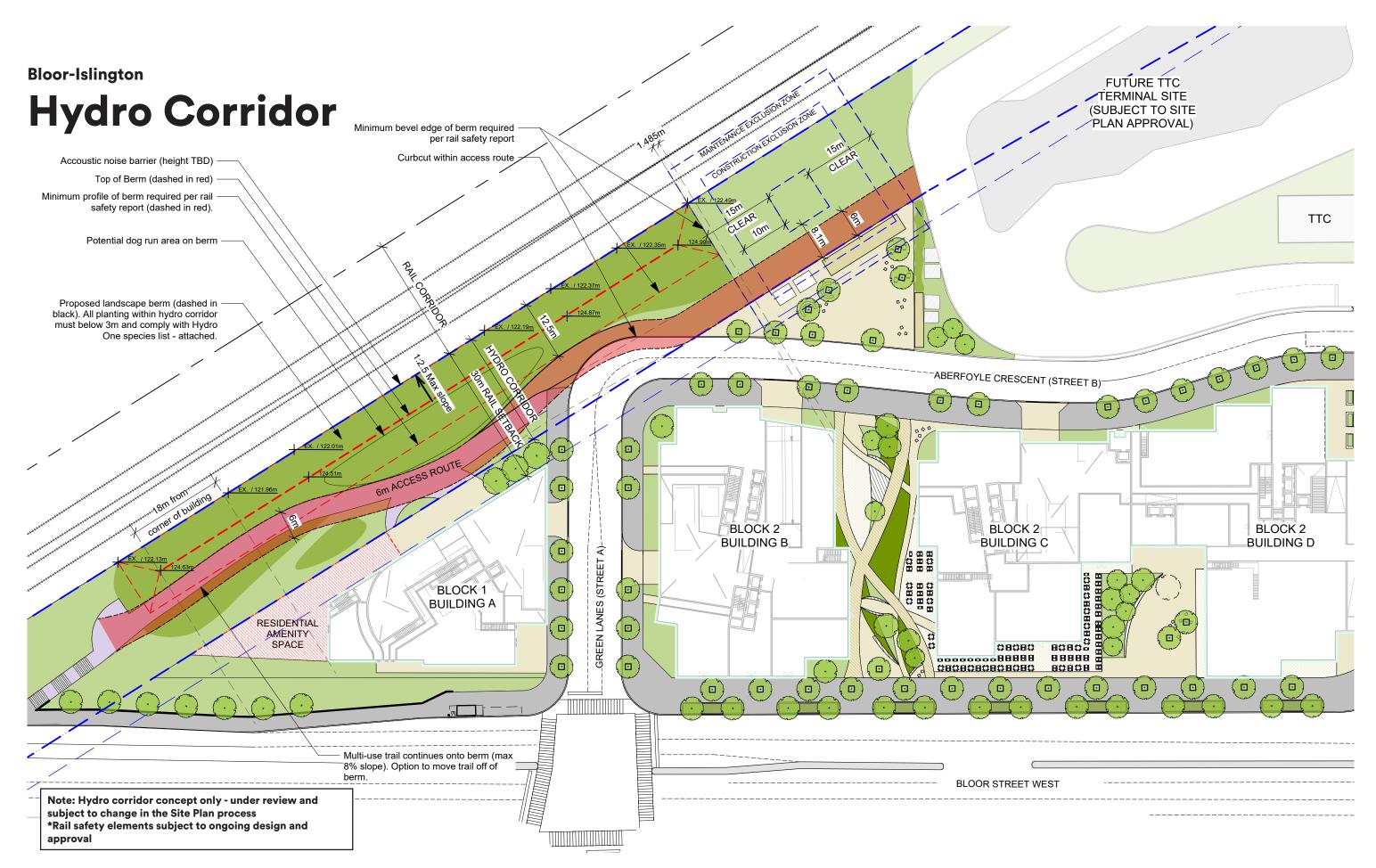




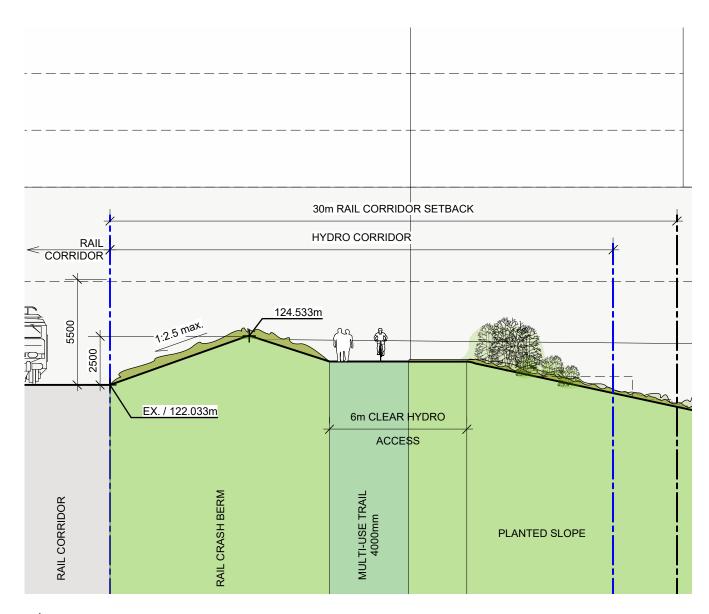








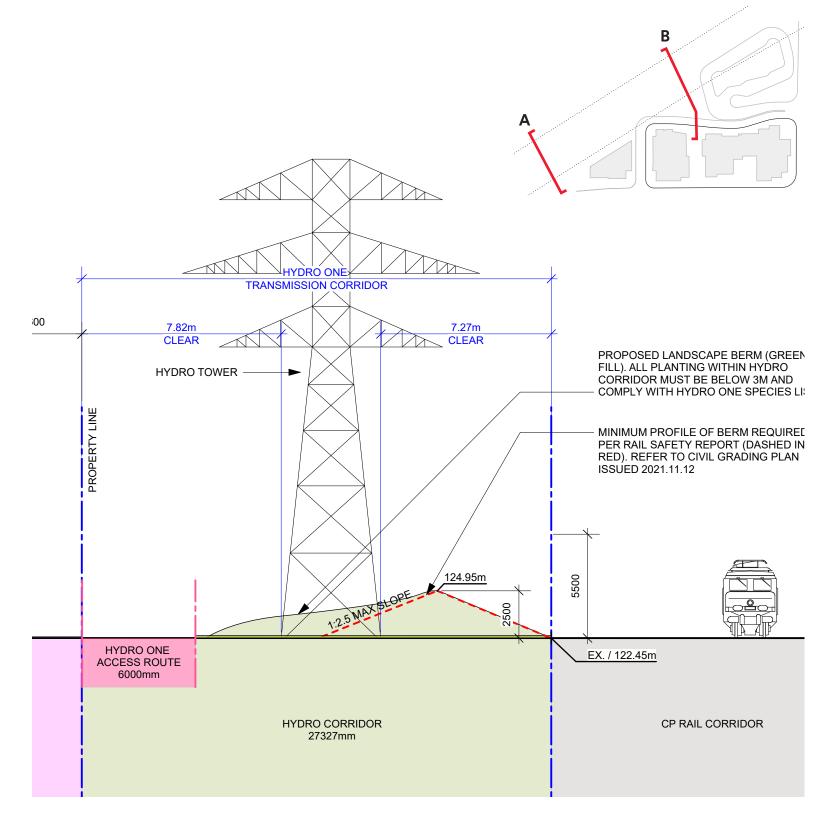
Hydro Corridor Sections



A) Hydro Corridor at Multi-Use Trail Facing Northeast

Note: Concept only - under review and subject to change in the Site Plan process. Vegetation within Hydro Corridor to comply with Hydro One allowable species for Right-of-Ways and Corridors.

*Rail safety elements subject to ongoing design and approval



B) Hydro Corridor at Hydro Tower Facing Southwest

Hydro One Acceptable Plant Species - Native Grasses and Perennials

Northern Ontario	Ontario	n Ontario	Native Perennials & Grasses (≤3m hgt.) Hydro One Networks Right-of- Ways and Corridors 15.09.11 - R0							hydrone
Norther	Central Ontario	Southern	Botanical Name	Common Name	Hgt. (m)	Favoured Moisture	Favoured Light Conditions	Flower Colour/ Time	Hardiness Zone	Notes
			Achillea millefolium	Common Yarrow	0.45 - 0.6	Dry-Moist	full sun	White/ June-August	2	Perennial
			Andropogon gerardii	Big Bluestem	2.0 - 2.5	Dry	full sun	July-August	4	Grass
			Asclepias incarnata ssp. incarnata	Swamp Milkweed	0.3 - 1.5	Dry-Moist	full sun	Pink/ July-August	3	Perennial
			Asclepias syriaca	Common Milkweed	0.5 - 1.5	Dry-Moist	full sun	Pink/ June-August	3	Perennial
			Athyrium filix-femina	Lady Fern	0.3 - 0.9	Moist	part shade to full shade	N/A	4	Fern
			Calamagrostis canadensis	Canada Bluejoint	0.5 - 1.8	Moist-Wet	full sun to part shade	July-September	3	Grass
			Carex bebbii	Bebb's Sedge	0.6 - 0.8	Moist-Wet	full sun to part shade	May-June	3	Grass/Sedge
			Carex elata	Tussock Sedge	1.2 - 1.5	Moist-Wet	full sun to part shade	May-June	4	Grass/Sedge
			Cimicifuga racemosa	Bugbane	1.2 - 1.8	Moist	part shade to full shade	White/ June-July	3	Perennial
			Clematis virginiana	Virgin's Bower	1.8 - 3.0	Moist-Wet	full sun to part shade	White/ August- October	3	Perennial/Vine
			Doellingeria umbellata	Flat-topped Aster	1.0 - 2.0	Moist-Wet	full sun to part shade	White/ September- October	2	Perennial
			Elymus canadensis	Canada Wild Rye	0.9 - 1.5	Dry-Moist	full sun to part shade	July-August	3	Grass
			Elymus riparus	Riverbank Rye	1.5	Moist	part shade to full shade	July-August	3	Grass
			Eupatorium fistulosum	Joe Pye Weed	1.5 - 2.0	Moist-Wet	full sun to part shade	Pink/ July- September	4	Perennial
			Eupatorium maculatum ssp. Maculatum	Spotted Joe-Pye Weed	1.5 - 1.75	Moist-Wet	full sun	Purple/ July- September	4	Perennial
			Glyceria striata and/or stricta	Fowl Manna Grass	1.0 - 1.8	Moist	part shade	June-July	4	Grass
			Juncus effusus	Soft Rush	0.6 - 1.2	Wet	full sun	June-August	4	Perennial rush, erect form
			Juncus tenuis	Path Rush	0.15 - 0.6	Moist-Wet	full sun to part shade	May-September	2	Perennial rush, erect form
			Onoclea sensibilis	Sensitive Fern	0.3 - 0.5	Moist	full sun to part shade	N/A	2	Fern

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Native Perennials & Grasses (≤3m hgt.)

Hydro One Networks Right-of



Hydro One Networks Right-of-Ways and Corridors 15.09.11 - R0

Botanical Name Common Na

Northerr	Central C	Southerr	Botanical Name	Common Name	Hgt. (m)	Favoured Moisture	Favoured Light Conditions	Flower Colour/ Time	Hardiness Zone	Notes
			Panicum virgatum	Switchgrass	0.7 - 2.2	Dry-Moist	full sun	August-September	3	Grass
			Physostegia virginiana	Obedient Plant	0.6 - 0.9	Moist	full sun	Pink/ June- September	2	Perennial
			Sanguinaria canadensis	Bloodroot	0.15 - 0.25	Moist	part shade to full shade	White/ April-May	2	Perennial
			Schizachyrium scoparium	Little Bluestem	0.6 - 1.2	Dry-Moist	full sun	August-February	3	Grass
			Scirpus atrovirens	Green Bulrush	1.2-1.8	Moist-Wet	full sun to part shade	June-July	3	Perennial (wetland)
			Scirpus cyperinus	Wool Grass	0.9-1.8	Wet	full sun	June-August	4	Grass
			Solidago canadensis var. canadensis	Canada Goldenrod	1.8-2.0	Moist	full sun to part shade	Yellow/ August- October	5	Perennial
			Sorghastrum nutans	Indiangrass	0.9-1.8	Dry-Moist	full sun	September-February	4	Grass
			Spartina pectinata	Prairie Cordgrass	1.2-2.1	Moist-Wet	full sun to part shade	July-August	4	Grass
			Sporobolus cryptandrus	Sand Dropseed	0.9	Dry	full sun to part shade	Yellow/ May- November	3	Grass
			Symphyotrichum novae-angliae	New England Aster	0.6 - 1.5	Moist	full sun	Pink-Purple/ August- September	3	Perennial
			Symphyotrichum puniceum	Swamp Aster	0.6 - 1.5	Moist	full sun to part shade	Blue-Violet/ August- October	3	Perennial
			Verbena hastata	Blue Vervain	0.6 - 1.8	Moist-Wet	full sun	Purple/ July- September	3	Perennial

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Hydro One Acceptable Plant Species - Native Shrubs

Native Shrubs
(≤3m hgt.)
Hydro One Networks Right-ofWays and Corridors
15.09.11 - R0

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Northern Ontario	Central Ontario	Ontario	Ways and Corridors								
	O										
	ıtral	Southern							Hardiness		
Nor	Cer	Sou	Botanical Name	Common Name	Hgt. (m)	Soil Condition	Soil Type	Light Condition	Zone	Notes	
			DECIDUOUS								
			Amelanchier sanguinea	Roundleaf Serviceberry	3	dry-moist	sand-loam-clay	full sun to part shade	4	white to pinkish flowers, dark purple berries	
			Aronia melanocarpa	Black Chokeberry	2	sry-moist	sand-loam-clay	full sun to part shade	3	white flowers, black berries, excellent fall colour	
			Ceanothus americanus	New Jersey Tea	1.25	dry	sand-silt	full sun to part shade	4	tiny white fragant flowers with dark green leaves and young twigs are yellow and standout in the winter, attracts butterflies	
			Cephalanthus occidentalis	Buttonbush	2	moist-wet	sand-silt-clay	full sun	4	fragrant flowers attract bees, may be difficult to source	
			Cornus amomum	Silky Dogwood	2.5	wet-moist	sand-silt-clay	full sun	5	white flowers, blue berries	
			Cornus racemosa	Gray Dogwood	3	dry-moist	sand-silt-clay	full sun to part shade	4	white flowers, white berries	
			Cornus sericea/stolonifera	Red Osier Dogwood	2.5	moist-wet	sand-silt-clay	full sun	2	white flowers, white/bluish berries and red stems	
			Diervilla lonicera	Bush Honeysuckle	1	dry	sand-silt-clay	sun to part shade	3	reddish-bronze fall colour, good mass planting and slopes, yellow fowers in midsummer, fast grower	
			Elaeagnus commutata	Silverberry	3	dry-moist	sand-loam-clay	full sun	4	small yellowish inconspicuous flowers, mealy whitish berries	
			Hypericum kalmianum	Kalm St. John's-Wort	0.6	dry-moist	sand-loam-clay	full sun to part shade	4	widely adaptable and hardy, golden- yellow blooms in midsummer, persistant brown seed capsules and exfoliating bark, good winter interest and an excellent xeriscape plant	
			Hypericum prolificum	Shrubby St. John's-Wort	1	dry-moist	sand-loam-clay	full sun to part shade	3	bright yellow blooms in june to august with cone shaped seed capsules, exfoliating bark for winter interest	
			llex verticillata	Winterberry	2.5	moist-wet	peat-muck-silt	full sun to part shade	4	attractive red fruit in winter	
			Lindera benzoin	Spicebush	3	moist-wet	silt-loam	part shade to full shade	4	scented leaves, excellent fall colour	
			Lonicera dioica	Glaucous Honeysuckle	3	dry-moist	sand-silt-clay	full sun to full shade	3	orange-red berries, drought tolerant, ensure nursery can prove native status of plant stock	

Native Shrubs (≤3m hgt.) Hydro One Networks Right-of-Ways and Corridors



15.09.11 - RO Hardiness Hgt. (m) Soil Condition **Light Condition Botanical Name** Soil Type Zone Common Name Notes adaptable and good streamside and moist open sites, small trumpet-shaped Black Twinberry/Bearberry full sun to part yellow flowers surrounded by red Lonicera involucrata 3 dry-moist sand-silt-clay Honeysuckle bracts follwed by shiny, black shade twinberries nestled in red capes, needs pruning to keep size cone-like flower clusters, scented Sweet Gale 1.5 full sun 1 Myrica gale sand-silt-loam moist-wet leaves requires a few plants to produce the full sun to part gray fruit, fragrant with glossy dark 2 Myrica pensylvanica Bayberry dry-moist poor sand soils shade green leaves, will attract ducks and fox, salt tolerant Physocarpus opulifolius Ninebark 3 dry-moist sand full sun 2 showy white flowers low grower spread by suckers, good for banks and slopes, green aromatic 1.5 Fragrant Sumac dry sand full sun Rhus aromatica foliage turns to a brilliant scarlet and red berries in the fall attractive crimson fruit, excellent fall Rhus typhina Staghorn Sumac 3 dry-moist sand-silt-clay full sun 3 branches or smooth not hairy, mass Rhus glabra 3 Smooth Sumac dry-moist poor soils full sun plantings or screening, foliage turns bright red, orange and purple in the fall full sun to part Wild Black Currant 1.8 sand-silt-loam 2 edilbe dark berries Ribes americanum moist shade single, pink, fragrant blooms in May to 1.5 full sun 2 Rose blanda Meadow Rose dry-moist sand-clay June, few thorns with red bark five petal, pink fragrant blooms, edible hip are high in vitamin C, orange to red full sun to part Rosa carolina Pasture Rose 1.75 dry-moist sand-loam fall colours, good in low wet grounds shade near swamps and streams, adaptable, salt tolerant 2 sand-silt-clay full sun Rosa palustris Swamp Rose moist-wet attractive pink flowers full sun to part shrub or vine, pink to white blooms in Prairie Rose 1 sand-loam-clay Rosa setigera dry-moist shade June to July, deep red, purple in the fall

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Appendix

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Base Block Plan

