

PROPOSED  
NOT FOR CONSTRUCTION

#### INVASIVE SPECIES MANAGEMENT PLAN (ISMP)

- The following invasive exotic species were found in the following approximate quantities within the buffer and within the dripline to the top of bank:  
European Buckthorn (*Rhamnus cathartica*):  
Progenitors (>75mm) - 6  
Seedlings / saplings (10 - 75mm) - 130  
Morrow's Honeysuckle (*Lonicera morrowi*) shrubs: - 12  
European Hawthorn (*Crataegus monogyna*): - 4  
Dog Strangling Vine (*Cyanchum rossicum*): - 1,664 m<sup>2</sup>
- Prior to commencement of work, the Consultant shall mark with flagging tape and/or stakes all invasive exotics trees, shrubs and herbs to be pulled, cut and/or treated with herbicides.
- Prior to proceeding with the work, the Contractor shall visit the site with the Consultant (Beacon) to examine existing site conditions, to review the scope of invasive species removal work, and to confirm the removal and control methodologies for each species.
- Exercise extreme caution when removing and treating invasive species to prevent damage to existing native trees, shrubs, and herbaceous plants.
- All herbicide treatments to be performed by a licensed herbicide applicator, in strict accordance with manufacturers' application guidelines.

#### CONTROL METHOD - EUROPEAN BUCKTHORN / HONEYSUCKLE / EUROPEAN HAWTHORN

- The preferred Buckthorn, Honeysuckle and Hawthorn removal window is between September 1 and March 31. No removals are allowed during the Migratory Bird Nesting Exclusion Period (April 1 to August 31) unless an ecologist is retained to inspect the woodlands for nesting birds and can confirm none are present.
- Seedlings and saplings with stem diameters under 20mm DBH may be uprooted with a handheld tree pulling tool such as a Pullerbear™ (or equivalent). The entire root system must be extracted from the ground. No further treatment is required.
- Buckthorn shrubs/trees should be controlled using the cut stump method. Saplings over 20mm DBH shall be cut down at the base of the trunk, to a height of 75-150mm above grade. Install colour marked stake at base of each sapling and tree removed for easy identification and location during monitoring and follow-up herbicide treatments.
- If specimens are cut when in leaf or when bearing fruit, remove and dispose of all the leaf and branch litter off-site at an approved composting / waste management facility. If the plants are not in leaf, branches and debris may be assembled in habitat brush piles as directed by the Consultant.
- Immediately after the cutting and removal work, mash the stump with an axe and then thoroughly soak the cut and basal bark with an application of 30% Triplicor (e.g., Garlon).
- Apply herbicide with a dabbing tool or paint brush. To avoid injury to desirable species nearby, do not spray.
- Perform a second treatment within 4 weeks of the original treatment.
- Continue monitoring all stumps during the first year and perform additional herbicide treatments if and as required to ensure complete eradication.
- During the spring of warranty period years 1 and 2, the contractor shall undertake a follow-up visual inspection with the consultant (beacon) and at that time herbicide treatment shall be implemented as necessary to all stems that are still alive and exhibit re-sprouting.

#### DOG STRANGLING VINE (DSV)

- DSV dominates the existing cultural meadow within the proposed buffer, and extends under the tree canopy to the top of slope. Existing DSV monoculture stands and spot locations (as of May 22, 2024) are shown on Sheet L-1 and are slated for removal in accordance with procedures outlined below. The size and scale of these infestations may increase over time and shall be reassessed and staked in the field prior to the Contractor proceeding with the work.
- For the most effective removal and control, herbicides should be applied to foliage and stems at least twice per year for a minimum of 2 years.

#### 17. The following is a recommended herbicide treatment schedule:

##### Year 1

- Late-May - First application, once plants are growing vigorously;
- Late-July - Second application, prior to DSV going to seed; and
- September - Spot treatment as required.

##### Year 2 (Optional)

- Late-May - Third application, once plants are growing vigorously;
  - Late-July - Fourth application, prior to DSV going to seed;
  - September - Spot treatment as required; after a 2-week waiting period, brush cut, rake and dispose of dead plant material.
  - September/October - Proceed with plant and seed bed preparation per notes below.
- For the monoculture stand within the buffer and under the tree canopy (to the top of slope) DSV shall be treated with foliar application of a 3-5% Glyphosate solution (based on a product containing 540g/l of chemical).
  - For small patches and individual plants (especially towards the southwest corner of the site), apply selective spot foliar treatments using a 3% solution of Imazapyr (based on a product containing 240g/l of chemical).
  - Herbicide applications shall be undertaken with a backpack sprayer, and shall only be conducted under optimal weather conditions and wind conditions to avoid non-target drift to plants or wildlife present in the area.
  - Upon completion of the one- or two-year (preferred) herbicidal treatment period, the Contractor shall lay out the proposed planting nodes per Sheet L-3.
  - For designated seeding areas between the delineated planting nodes, the dead DSV stalks shall be brush cut to the ground and disposed of off-site. The topsoil will then be lightly scarified to a depth of 50-75mm to create a seed bed. Seed beds are to be immediately terraseeded with the prescribed seed mix.
  - Within the delineated planting nodes, the dead DSV stalks shall be brush cut tight to the ground and disposed of off-site; do not compost or dispose of material on-site.
  - Plantings shall be installed with no further bed preparation, to minimize soil seedbank disturbance. Planting nodes shall then be continuously mulched with a 100mm (min) application of a shredded pine-cedar bark mulch to suppress DSV seedling emergence.
  - The Contractor shall advise the Consultant if, in their opinion, planting bed decompaction is required. If required, decompaction by tilling must be pre-approved by the Consultant before proceeding with the work.
  - Planting should commence shortly (7-10 days) after final herbicide treatment has been completed to prevent weeds competing with new plantings.
  - The seeded and planted areas shall be continually monitored by the Consultant for DSV twice per year throughout the two-year warranty period. The Contractor shall perform spot DSV treatments as and when prescribed by the Consultant. Follow up treatments shall conform to the treatment schedule laid out above and shall be localized to not harm any planted or adjacent desirable vegetation.

NOTE: Vegetation removals should be completed in accordance with the Federal *Migratory Birds Convention Act*. There is the potential to contravene the Migratory Birds Convention Act (MBCA) if vegetation removal or pruning occurs between April 1 and August 31 and protected birds are nesting and/or present. For any proposed clearing of vegetation between April 1 and August 31, an Ecologist or Avian Biologist should undertake detailed nest searches within three days of site alteration to ensure that no active nests are present. If active nests of protected species are confirmed, vegetation removal will need to be delayed until the nest is no longer actively used or an exclusion zone around the nest is delineated by the project Ecologist/Avian Biologist.

#### KEYMAP

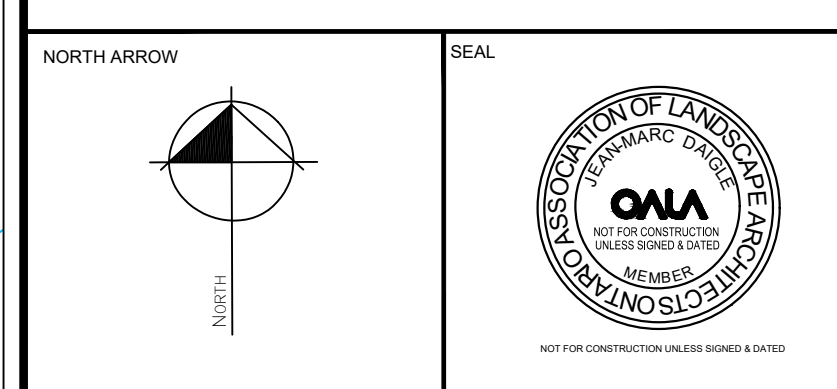
#### LEGEND

- Property Boundary
- Staked Top of Bank
- Staked Dripline
- Staked Top of Bank + 10m
- Staked Dripline + 10m
- Meander Belt Buffer
- Edge Management Area
- Staked Dripline 10m Buffer
- Invasive Tree/Shrub Colonies to be Removed
- Individual Invasive Tree/Shrub to be Removed
- Dog-strangling Vine (DSV) Monoculture to be Removed
- DSV Patches to be Selectively Removed
- Spreading Dogbane Meadow to be Preserved and Dog-strangling Vine to be Spot Treated
- White Pine Seedlings to be Preserved

Notes: Scale shown is for an 36" x 24" page.  
For illustrative purposes. Do not scale

№	REVISIONS	DATE	BY:
6			
5			
4			
3			
2	ISSUED FOR AGENCY SUBMISSION	2024/06/10	JMD
1	ISSUED FOR CLIENT REVIEW	2024/05/29	JMD

SCALE  
1:250  
0 5 10 20m



CLIENT  
**BALBIR BABRA**

PROJECT  
**44-45 LONGVIEW PLACE,  
CITY OF MISSISSAUGA  
LANDSCAPE RESTORATION PLAN**

SHEET TITLE  
**INVASIVE SPECIES  
MANAGEMENT**

DESIGN BY: ..	PROJECT №: 219567
DRAWN BY: JA	FIGURE №: L-1
CHECKED BY: JMD	
DATE: 10 June 2024	



PROPOSED  
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FLETCHER'S CREEK

PLANTINGS WITHIN THE STAKED  
TREE LINE TO BE FIELD FIT  
WITHIN CLEARINGS CREATED BY  
THE REMOVAL OF INVASIVE  
EXOTIC TREES AND SHRUBS

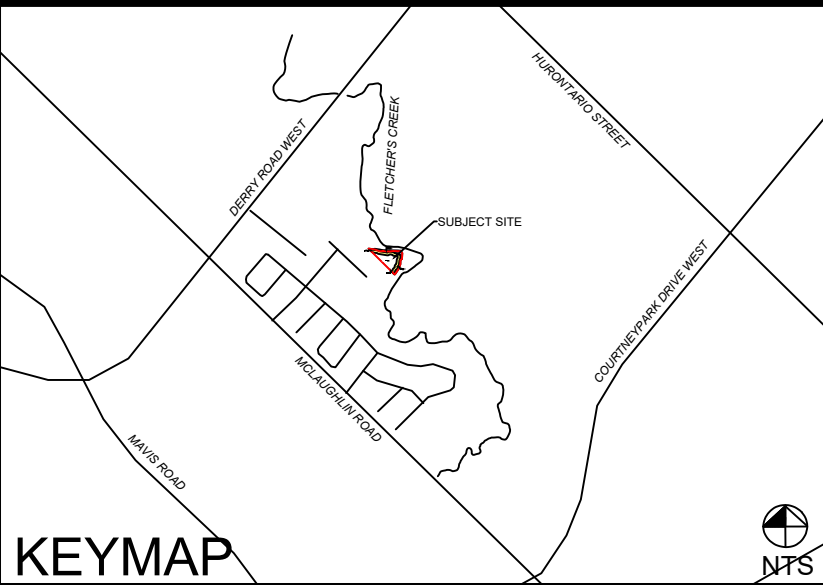
FIELD FIT PLANTING MODULES  
AROUND EXISTING NATYIVE  
HAWTHORN SAPLINGS, AS  
DIRECTED BY CONSULTANT

REFER TO SITE DEVELOPMENT  
AND GRADING PLANS BY  
SKIRA & ASSOCIATES

#### SURFACE PREPARATION:

- The Contractor shall be responsible for all labour, materials and equipment necessary to Terraseed the specified seed mixture as designated on this plan and in accordance with the specifications.
- Before Terraseeding, areas designated for this operation and planting shall be prepared in accordance with the site preparation instructions provided on Sheet L-1.
- At the time of Terraseeding, all surface areas designated for seeding shall friable, loose and have been fine graded to a uniform surface.
- The surface shall be uniformly cultivated to a minimum depth of 50mm (2 inches) and a maximum depth of 100 mm (4 inches) and shall not have surface stones greater than 25 mm (1") in diameter, foreign material, and weeds or other unwanted vegetation.
- Terraseeding shall not be carried out under adverse field conditions such as high wind, frozen ground or ground covered with snow, ice or standing water.
- The site and erosion control measures shall be maintained until conditions permit application or re-application of seeds and compost material.
- All surfaces to be treated shall be prepared not more than 3 days before the seeding operation. The surface shall not have stones greater than 25 mm in diameter, weeds, or other unwanted vegetation.
- No seeding or cover application shall come in contact with the foliage of existing vegetation. No seed or cover shall come in contact with existing water bodies.
- Seeding and re-seeding shall be performed between: spring start to May 31, August 1 to August 25, or November 15 until freeze-up.
- If seeding operation is performed in late summer or fall, the nurse grasses shall be substituted with Fall Rye or approved alternative.
- Terraseeding operation shall not commence until the Consultant is in receipt of the Certificate of Seed Analysis for the seed being applied and has approved the seed test results. In addition, the Contractor is required to submit proof of purchase that the specified seed mixture has been ordered and purchased from the recommended seed supplier for this contract.
- Terraseeding operation shall not commence until the Project Landscape Architect has inspected and approved the surface preparation including verification of the seed mixture being applied.
- The Contractor shall be responsible for seeding and stabilizing all disturbed areas immediately following topsoil placement, fine grading, and planting operations.
- Seeded areas will be accepted by the Consultant, provided that:
- Soil surface has not been eroded or otherwise degraded since completion of fine grading.
- The Contractor will be responsible for all aspects of germination, including irrigation.
- The Contractor must achieve germination of all seeded areas for acceptance of the work.
- Refer to specifications for submission requirements, supplier, compost product, and performance measure.

UPLAND MEADOW SEED MIX			
SCIENTIFIC NAME	COMMON NAME	SEEDING RATE (kg PLS per/10 000 sq. m)	PROPORTION OF SEED MIX (%)
FORBS			
<i>Desmodium canadense</i>	Tick-Trefoil	3.75	15
<i>Lespedeza capitata</i>	Round-Headed Bushclover	3	12
<i>Monarda fistulosa</i>	Showy Wild Bergamont	0.25	1
<i>Oenothera biennis</i>	Common Evening Primrose	0.25	1
<i>Pycnanthemum virginianum</i>	Virginia Mountain Mint	0.05	0.2
<i>Rudbeckia hirta</i>	Black-eyed Susan	0.25	1
<i>Solidago juncea</i>	Early Goldenrod	0.125	0.5
<i>Solidago nemoralis</i> ssp. <i>nemoralis</i>	Grey Goldenrod	0.075	0.3
<i>Solidago rugosa</i> ssp. <i>Rugosa</i>	Rough Goldenrod	0.125	0.3
<i>Symphitrichum ericoides</i>	White Heath Aster	0.125	0.5
<i>Symphitrichum laevis</i>	Smooth Aster	0.25	1
<i>Symphitrichum novae-angliae</i>	New England Aster	0.375	1.5
<i>Verbena stricta</i>	Hoary vervain	0.375	1.5
GRASSES			
<i>Andropogon gerardii</i>	Big Bluestem	2.5	10
<i>Schizachyrium scoparius</i>	Little Bluestem	1.25	5
<i>Elymus canadensis</i>	Canada Wild Rye	5	20
<i>Elymus trachycaulus</i>	Slender Wheat Grass	2.5	10
<i>Elymus hystrix</i>	Bottlebrush Grass	1.25	5
<i>Panicum virgatum</i>	Switch Grass	1	4
<i>Sorghastrum nutans</i>	Indian Grass	2.5	10
TOTAL NATIVE SPECIES		25	100
NURSE CROP SEED MIX			
SCIENTIFIC NAME	COMMON NAME	SEEDING RATE (kg PLS per/10 000 sq. m)	PROPORTION OF SEED MIX
FORBS			
<i>Lolium multiflorum</i>	Annual rye grass	35	50%
<i>Avena sativa</i>	Oats	35	50%
TOTAL NURSE CROP		70	100%



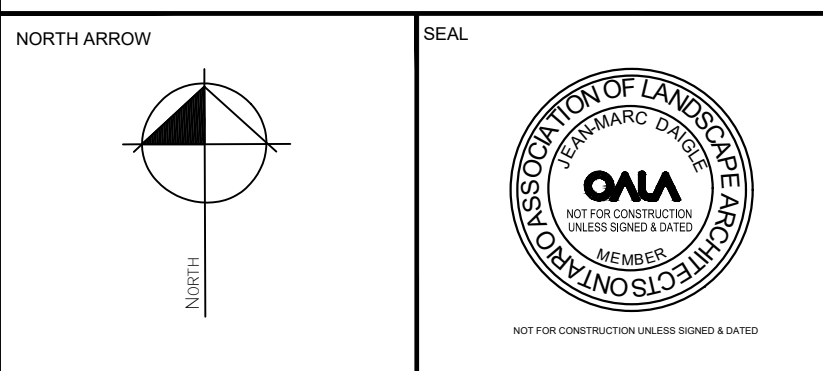
#### LEGEND

- Property Boundary
- Staked Top of Bank
- Staked Dripline
- Staked Top of Bank + 10m
- Staked Dripline + 10m
- Meander Belt Buffer
- Edge Management Area
- Staked Dripline 10m Buffer
- Planting Module (Refer to Sheet L-3)
- Proposed Deciduous Tree Sapling
- Proposed Caliper-sized Deciduous Tree
- Proposed Coniferous Tree
- Proposed Shrubs
- Proposed Upland Seed Mix (800m<sup>2</sup>)

Notes: Scale shown is for an 36" x 24" page.  
For illustrative purposes. Do not scale.

№	REVISIONS	DATE	BY:
6			
5			
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2	ISSUED FOR AGENCY SUBMISSION	2024/06/10	JMD
1	ISSUED FOR CLIENT REVIEW	2024/05/29	JA

SCALE  
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0 2.5 5 10m



CLIENT  
**BALBIR BABRA**

PROJECT  
**44-45 LONGVIEW PLACE,  
CITY OF MISSISSAUGA  
LANDSCAPE RESTORATION PLAN**

SHEET TITLE  
**BUFFER AND EDGE  
MANAGEMENT PLANTING  
PLAN**

DESIGN BY: ... PROJECT №: 219567

DRAWN BY: JA FIGURE №:

CHECKED BY: JMD

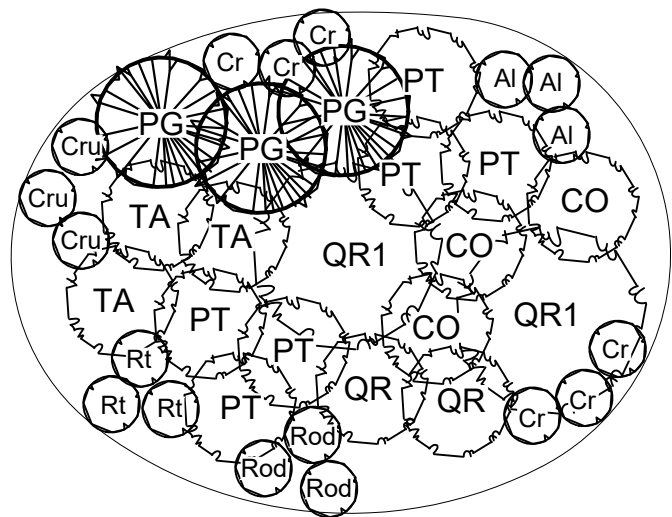
DATE: 10 June 2024

**L-2**



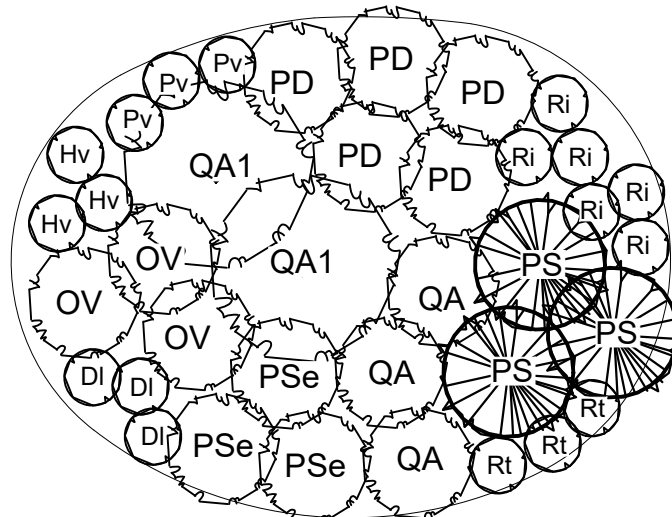
PLANTING MODULES

A



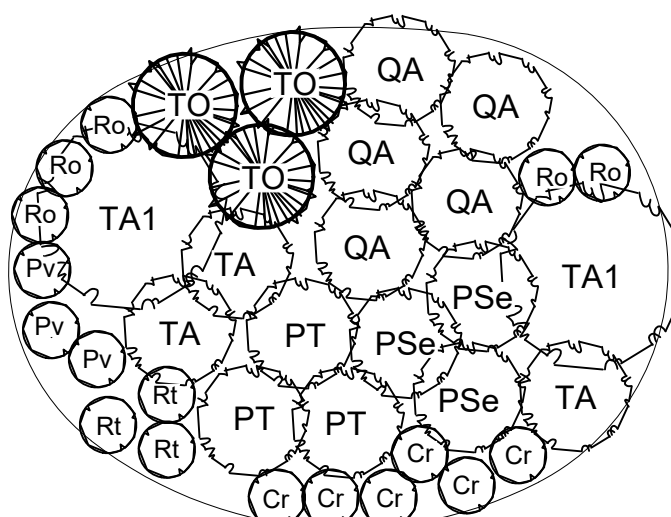
MODULE A 100m<sup>2</sup>  
Trees  
3 PG - *Picea glauca* - White Spruce  
2 QR1 - *Quercus rubra* - Red Oak  
3 QR - *Quercus rubra* - Red Oak  
3 TA - *Tilia americana* - Basswood  
5 PT - *Populus tremuloides* - Trembling Aspen  
3 CO - *Carya ovata* - Shagbark Hickory  
Shrubs  
3 Al - *Amelanchier laevis* - Alleghany Serviceberry  
6 Cr - *Cornus racemosa* - Gray Dogwood  
3 Rod - *Rubus odoratus* - Purple Flowering Raspberry  
3 Rt - *Rhus typhina* - Staghorn Sumac  
3 Cru - *Cornus rugosa* - Round-leaved Dogwood

B



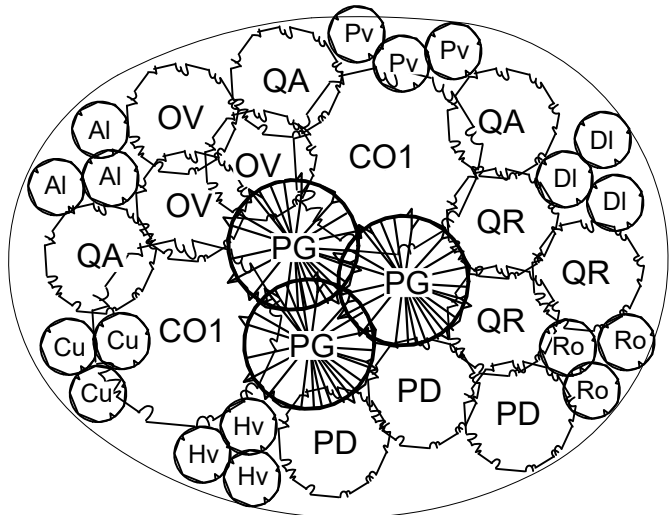
MODULE B 100m<sup>2</sup>  
Trees  
3 PS - *Pinus strobus* - White Pine  
2 QA1 - *Quercus rubra* - Red Oak  
3 QA - *Quercus alba* - White Oak  
3 PSe - *Prunus serotina* - Black Cherry  
5 PD - *Populus deltoides* - Eastern Cottonwood  
3 OV - *Ostrya virginiana* - Ironwood  
Shrubs  
3 Hv - *Hamamelis virginiana* - Witch Hazel  
6 Ri - *Rubus idaeus spp strigosus* - Grayleaf Red Raspberry  
3 DI - *Diervilla lonicera* - Bush Honeysuckle  
3 Pv - *Prunus virginiana* - Chokecherry  
3 Rt - *Rhus typhina* - Staghorn Sumac

C



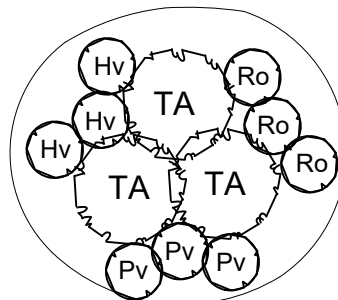
MODULE C 100m<sup>2</sup>  
Trees  
3 TO - *Thuja occidentalis* - Eastern White Cedar  
2 TA1 - *Tilia americana* - American Basswood  
3 TA - *Tilia americana* - American Basswood  
3 PT - *Populus tremuloides* - Trembling Aspen  
5 QA - *Quercus alba* - White Oak  
3 PSe - *Prunus serotina* - Black Cherry  
Shrubs  
6 Cr - *Cornus racemosa* - Gray Dogwood  
3 Rt - *Rhus typhina* - Staghorn Sumac  
6 Ro - *Rubus occidentalis* - Black Raspberry  
3 Pv - *Prunus virginiana* - Chokecherry

D



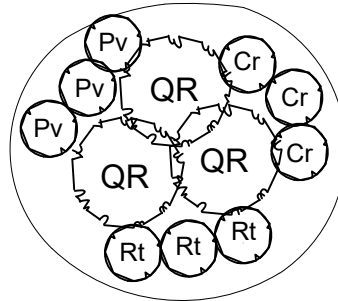
MODULE D 100m<sup>2</sup>  
Trees  
3 PG - *Picea glauca* - White Spruce  
2 CO1 - *Carya ovata* - Shagbark Hickory  
3 QR - *Quercus rubra* - Red Oak  
3 PD - *Populus deltoides* - Eastern Cottonwood  
4 OV - *Ostrya virginiana* - Ironwood  
3 QA - *Quercus alba* - White Oak  
Shrubs  
3 Hv - *Hamamelis virginiana* - Witch Hazel  
3 DI - *Diervilla lonicera* - Bush Honeysuckle  
3 Al - *Amelanchier laevis* - Alleghany Serviceberry  
3 Pv - *Prunus virginiana* - Chokecherry  
3 Cru - *Cornus rugosa* - Round-leaved Dogwood  
3 Rod - *Rubus odoratus* - Purple Flowering Raspberry

E



MODULE E 30m<sup>2</sup>  
Trees  
3 TA - *Tilia americana* - American Basswood  
Shrubs  
3 Hv - *Hamamelis virginiana* - Witch Hazel  
3 Pv - *Prunus virginiana* - Chokecherry  
3 Ro - *Rubus occidentalis* - Black Raspberry

F



MODULE F 30m<sup>2</sup>  
Trees  
3 QR - *Quercus rubra* - Red Oak  
Shrubs  
3 Rt - *Rhus typhina* - Staghorn Sumac  
3 Pv - *Prunus virginiana* - Chokecherry  
3 Cr - *Cornus racemosa* - Gray Dogwood

TREES						
KEY	QTY	SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITION	SPACING
CO	21	<i>Carya ovata</i>	Shagbark Hickory	150-200cm ht	7-10 gal CG	5m O.C.
CO1	6	<i>Carya ovata</i>	Shagbark Hickory	50mm cal		5m O.C.
OV	35	<i>Ostrya virginiana</i>	Ironwood	150-200cm ht	7-10 gal CG	5m O.C.
PD	35	<i>Populus deltoides</i>	Eastern Cottonwood	175-200cm ht	5-10 gal CG	5m O.C.
PG	21	<i>Picea glauca</i>	White Spruce	125cm ht	B&B	5m O.C.
PS	12	<i>Pinus strobus</i>	White Pine	125cm ht	B&B	5m O.C.
PSe	36	<i>Prunus serotina</i>	Black Cherry	150-200cm ht	7-10 gal CG	5m O.C.
PT	32	<i>Populus tremuloides</i>	Trembling Aspen	150-200cm ht	7-10 gal CG	5m O.C.
QA	32	<i>Quercus alba</i>	White Oak	150-200cm ht	7-10 gal CG	5m O.C.
QA1	8	<i>Quercus alba</i>	White Oak	50mm cal		5m O.C.
QR	30	<i>Quercus rubra</i>	Red Oak	150-200cm ht	7-10 gal CG	5m O.C.
QR1	8	<i>Quercus rubra</i>	Red Oak	50mm cal		5m O.C.
TA	49	<i>Tilia americana</i>	Basswood	150-200cm ht	7-10 gal CG	5m O.C.
TA1	8	<i>Tilia americana</i>	Basswood	50mm cal		5m O.C.
TO	12	<i>Thuja occidentalis</i>	Eastern White Cedar	125cm ht	B&B	5m O.C.
Total	345					

SHRUBS						
KEY	QTY	SCIENTIFIC NAME	COMMON NAME	SIZE	CONDITION	SPACING
Al	21	<i>Amelanchier laevis</i>	Alleghany Serviceberry	50cm ht	2 gal CG	1m O.C.
Ca	30	<i>Cornus alternifolia</i>	Alternate-leaved Dogwood	50cm ht	2 gal CG	1m O.C.
Cr	118	<i>Cornus racemosa</i>	Gray Dogwood	50cm ht	2 gal CG	1m O.C.
Cru	21	<i>Cornus rugosa</i>	Round-leaved Dogwood	50cm ht	2 gal CG	1m O.C.
Hv	63	<i>Hamamelis virginiana</i>	Witch Hazel	50cm ht	2 gal CG	1m O.C.
Lb	23	<i>Lindera benzoin</i>	Northern Spicebush	50cm ht	2 gal CG	1m O.C.
Pv	98	<i>Prunus virginiana</i>	Chokecherry	50cm ht	2 gal CG	1m O.C.
Ri	24	<i>Rubus idaeus spp strigosus</i>	Grayleaf Red Raspberry	50cm ht	2 gal CG	1m O.C.
Ro	36	<i>Rubus odoratus</i>	Purple-flowering Raspberry	50cm ht	2gal CG	1m O.C.
Rod	21	<i>Rhus aromatica</i>	Fragrant Sumac	50cm ht	2 gal CG	1m O.C.
Rt	51	<i>Rhus typhina</i>	Staghorn Sumac	50cm ht	2gal CG	1m O.C.
Total	506					

GENERAL NOTES:

- These drawings are to be read in conjunction with the written specifications and all other drawings.
- Any ambiguity in this drawing or accompanying details is to be reported to the project Consultant (Beacon Environmental). Contractor is not to proceed in uncertainty.
- Limits or work to be clearly understood by the contractor prior to any work taking place on site.
- The Contractor shall visit the site to confirm all site conditions prior to submitting a bid. Report all discrepancies in writing to the Consultant.
- The Contractor must notify the Consultant a minimum of 5 (five) days prior to the commencement of any construction work.
- Construction access shall be arranged with the General Contractor and or Owner's representative for the site.
- Verify locations of pertinent site improvements under this contract. If any part of this plan cannot be followed due to site conditions contact owner's representative for instruction prior to commencing work.
- Contact local underground utility service companies to obtain utility locates and identification prior to commencing work.
- Perform excavation in the vicinity of underground utilities with care and by hand if necessary. The Contractor bears full responsibility for this work and disruption of damaged utilities shall be repaired at no expense to the Owner.
- Drawings may be scaled for layout measurement but dimensions and elevations shown are subject to verification on site
- The Contractor shall maintain all areas until Owner's acceptance of the project in accordance with the specifications.
- It is the responsibility of the Contractor and/ or Owner to ensure that the drawings with the latest revisions are used for construction.

PLANTING NOTES:

- All planting material to meet horticultural standards of the Canadian Nursery Trades Association Guide Specification for Nursery Stock. All plant material to be No. 1 Grade and to the approval of the Consultant.
- No plant substitutions will be permitted without the written approval of the project Consultant. Plant identification tags for all plant material are to remain on material until inspected.
- All damaged material will be rejected. Trees without central leaders, with trunk wounds, or damaged major limbs will be rejected. Shrubs with damaged branches or insufficient root mass will be rejected.
- All material that can not be planted within 48 hours of delivery shall be healed in on site and be kept properly protected from desiccation by wind or sun.

- The Contractor shall stake out the location of tree and shrub planting modules for field review with the project Consultant prior to commencing planting works.
- The selection and distribution of species across the site shall be reviewed and approved on site by the project Consultant at the time of planting operation.
- The Contractor shall relocate any trees or shrubs on the property as directed by the Consultant.
- Any dead or damaged branches are to be pruned according to horticultural standards and timing appropriate to each species.
- All plant materials shall be planted in naturalistic groupings and in accordance with the layout and planting details and written specifications.
- All tree seedlings and saplings to be clearly marked with flagging tape to facilitate plant counts during warranty inspections

WATERING REQUIREMENTS:

- All material delivered to site shall be either watered immediately or within 24 hours as warranted by the moisture content of the root balls/containers.
- All material shall be watered at the time of planting.
- All material shall be watered regularly (weekly basis if conditions require) during the first two years of establishment. More frequent watering will be required during periods of drought.
- Tree and shrubs shall be watered deeply rather than frequently.
- Trees and shrubs shall be watered well in the Fall to prevent root death over winter.

MULCHING REQUIREMENTS:

- All trees and shrubs are to be planted in continuous mulched beds unless otherwise indicated on the drawings, or as field directed by the Consultant.
- Mulch shall be topped up to ensure the specified minimum depth is maintained on all planting beds.
- Continuous mulch bed around all tree and shrub plantings shall consist of a depth of 4" (100mm) of Shredded Pine/Cedar Bark.
- Shrub pit, saucer and planting beds shall be soaked with water & mulched immediately following planting. Top dress area immediately over root mass (saucer area) with bone meal or compost.

WARRANTY PERIOD AND MAINTENANCE ACTIVITIES

- All workmanship, and plant materials to be guaranteed for a period of two years following the date of initial acceptance of the project by the Consultant.
- It is the responsibility of the Contractor to maintain plant

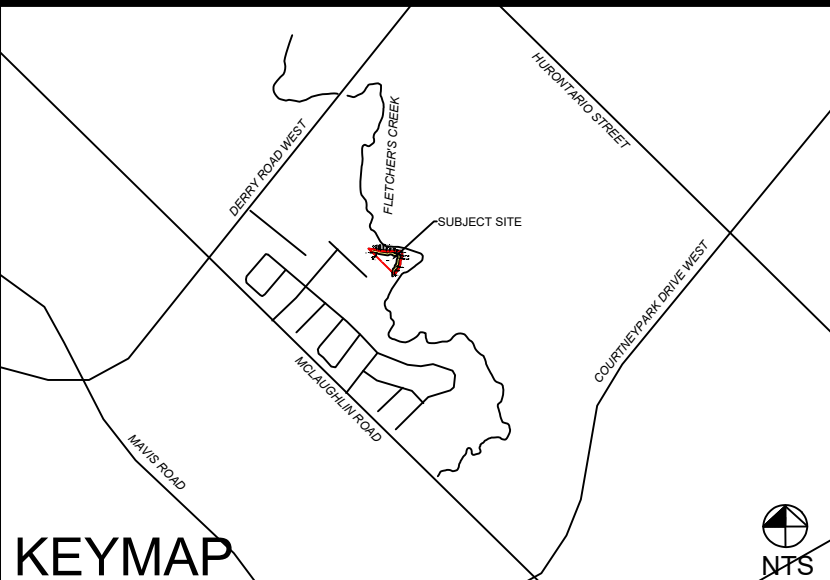
- materials in good condition from the date of initial planting to the end of the 2 years warranty period.
- General maintenance requirements for trees, shrubs and perennials shall be performed a minimum of once per month during the growing season and shall include, but not limited to the following activities:

- Watering at time of planting
- Watering regularly on a weekly basis during the first year of establishment depending on weather conditions.
- Pruning
- Mulching
- Replacement
- Weeding and planting bed maintenance
- Herbicide spot treatments (as outlined in the Invasive Species Management Guidelines) as required to suppress and control spread of invasive species into planting areas.

- The Contractor shall be responsible for managing weeds within planting beds and around tree seedlings as required to minimize competition and to facilitate plant counts during warranty period.
- At the end of the warranty period, it is the responsibility of the Contractor to remove and dispose of all stakes and guy wires.
- Prior to acceptance of the end of the warranty period all planting beds are to be supplemented, where necessary, with additional mulch in order that the specified minimum thickness described for each of the planting areas is maintained.
- The Consultant reserves the right to extend contractor's warranty responsibilities for an additional year if, at the end of initial warranty period, leaf development and growth is not sufficient to ensure future survival.

RODENT PROTECTION

- The contractor shall be responsible for the protection of all trees and shrubs from rodent injury for the duration of the guarantee period.
- Install an approved wrap-around type plastic tree guard on all deciduous and coniferous for rodent protection. Refer to planting detail and specification.
- All shrubs and coniferous trees shall have an application of "Skoot" or approved equivalent rodent formula, to be applied at the end of October. Follow manufacturer's directions for application.

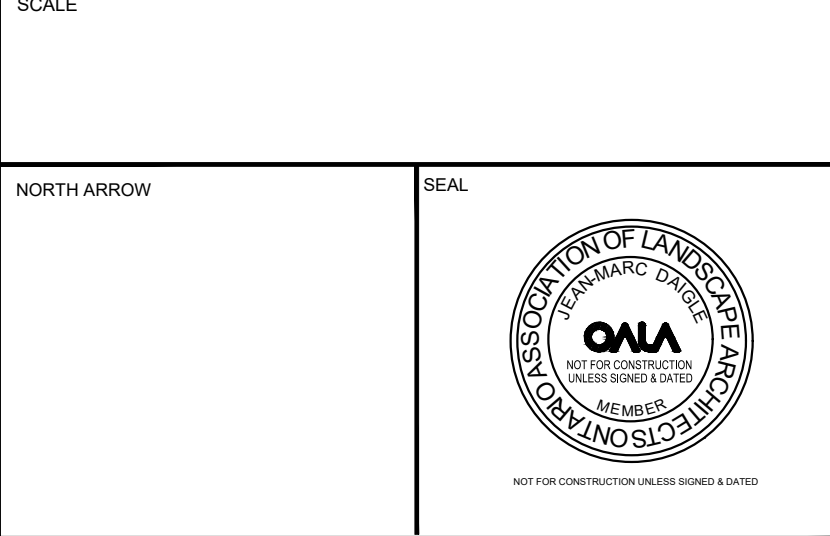


LEGEND

- Proposed Deciduous Tree Sapling
- Proposed Caliper-sized Deciduous Tree
- Proposed Coniferous Tree
- Proposed Shrubs

Notes: Scale shown is for an 36" x 24" page.  
For illustrative purposes. Do not scale

№	REVISIONS	DATE:	BY:
6			
5			
4			
3			
2	ISSUED FOR AGENCY SUBMISSION	2024/06/10	JMD
1	ISSUED FOR CLIENT REVIEW	2024/05/29	JMD



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CLIENT

PROJECT  
**44-45 LONGVIEW PLACE,  
CITY OF MISSISSAUGA  
LANDSCAPE RESTORATION PLAN**

SHEET TITLE

**PLANT LISTS AND NOTES**

DESIGN BY: -- PROJECT №: 219567

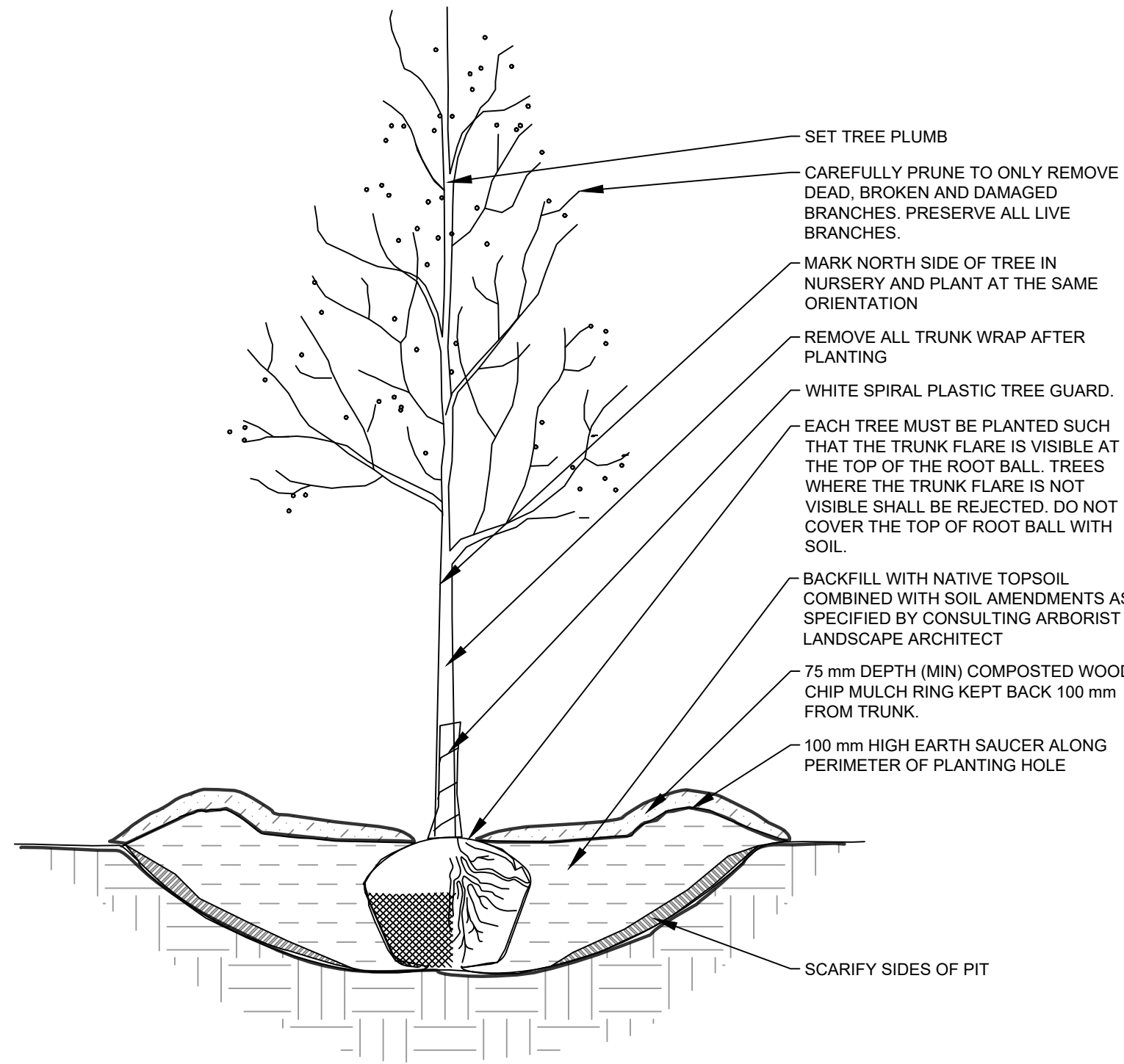
DRAWN BY: JA FIGURE №:

CHECKED BY: JMD

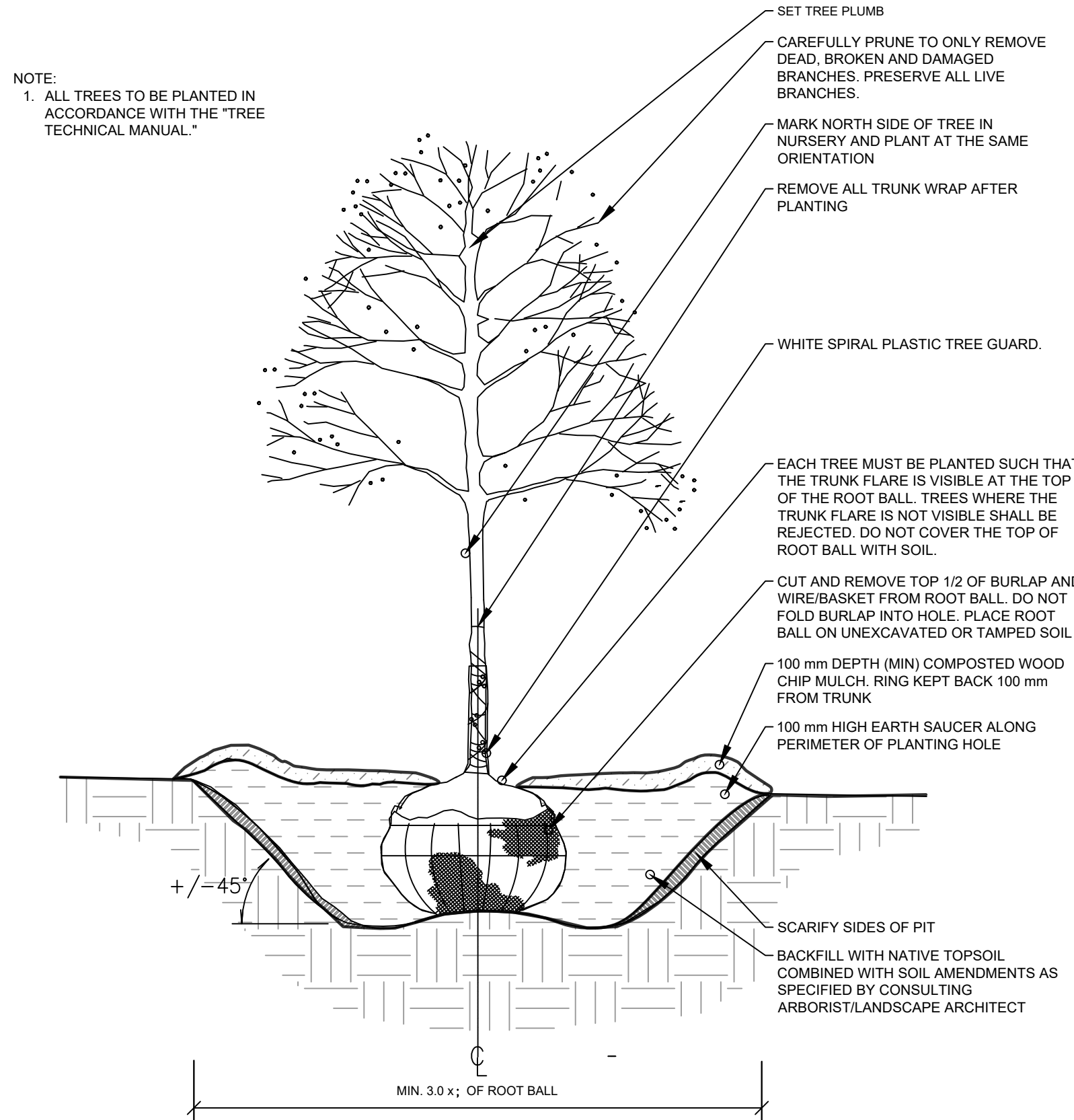
DATE: 10 June 2024

L-3

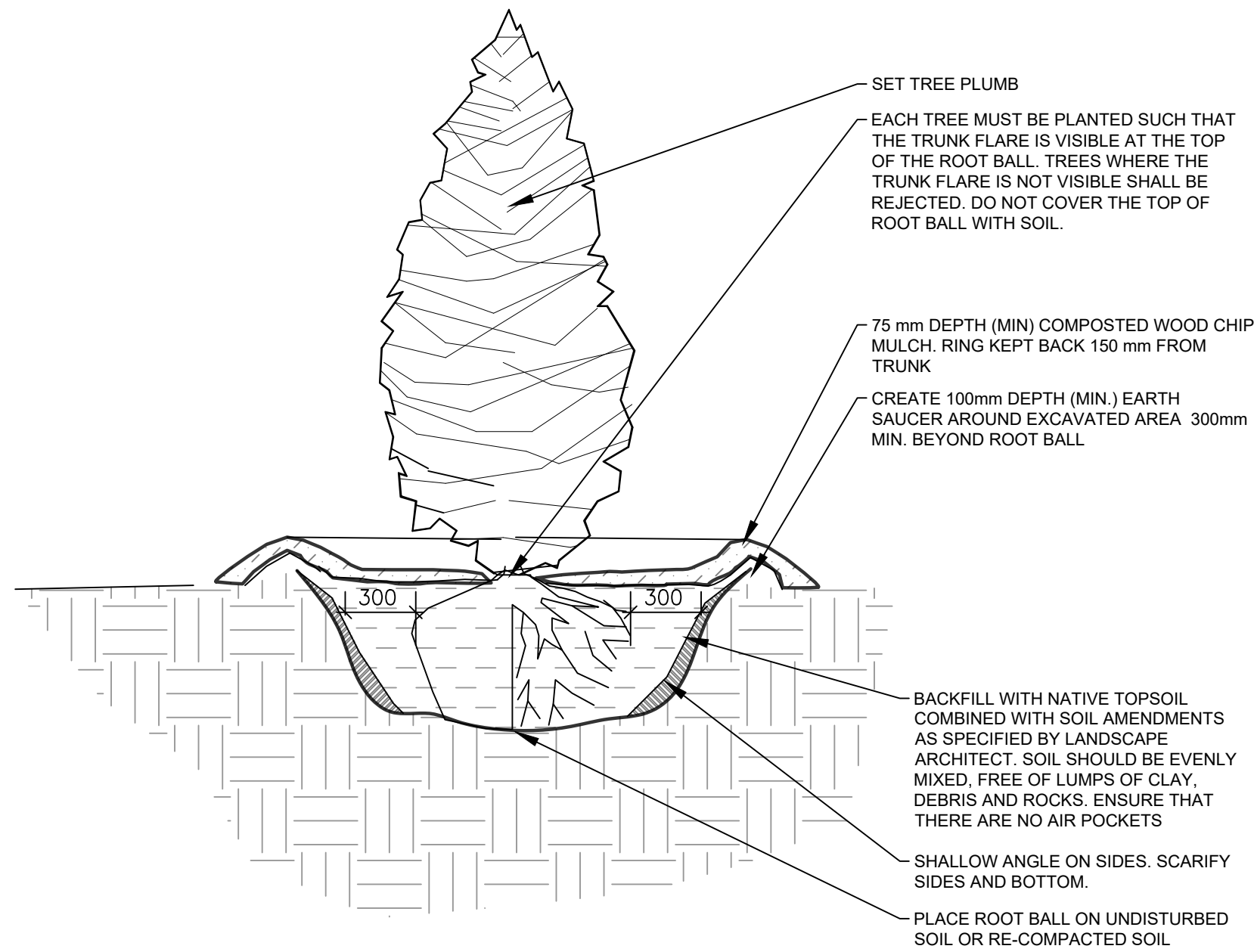




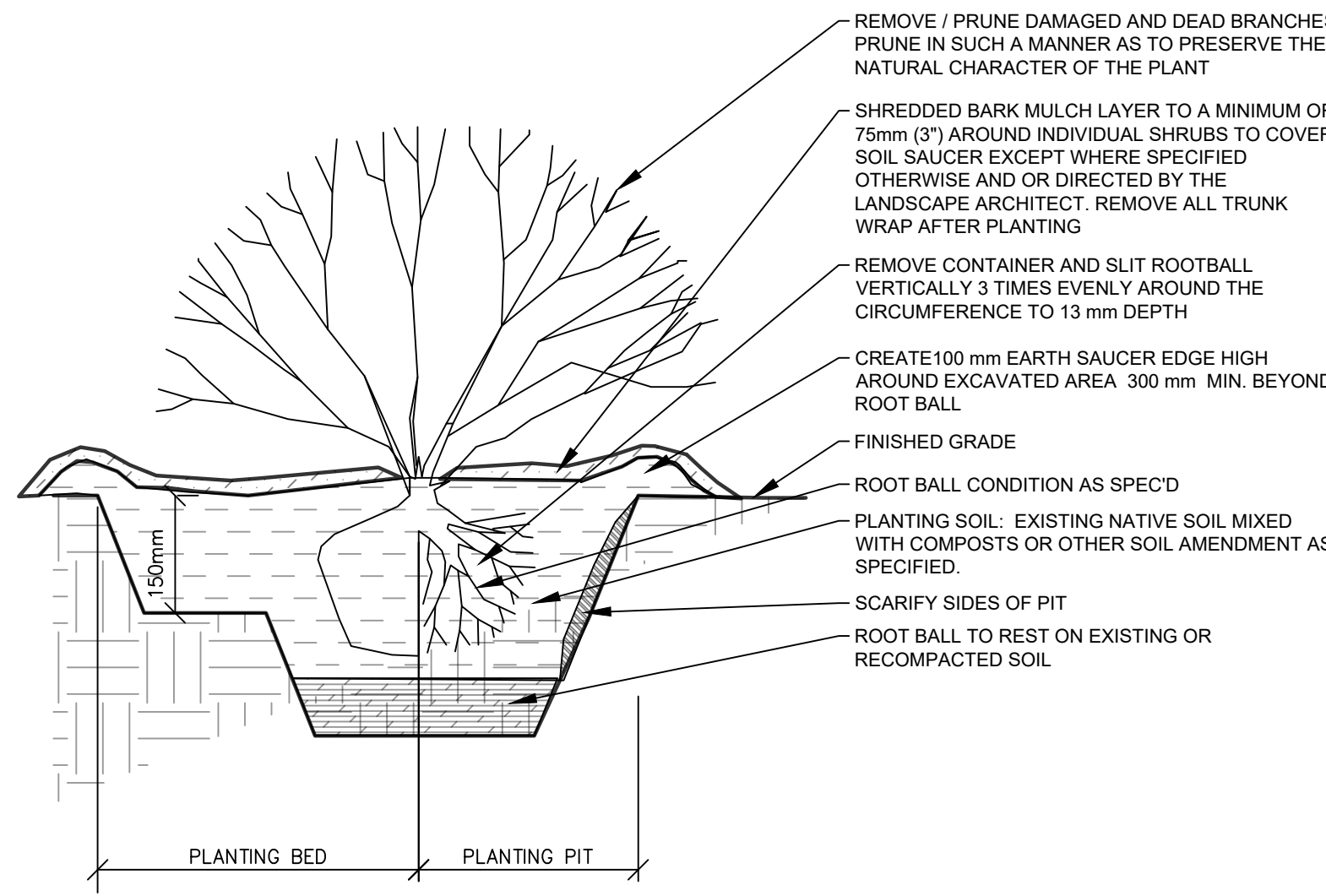
1  
L-4  
NTS  
TYPICAL WHIP DECIDUOUS TREE PLANTING DETAIL



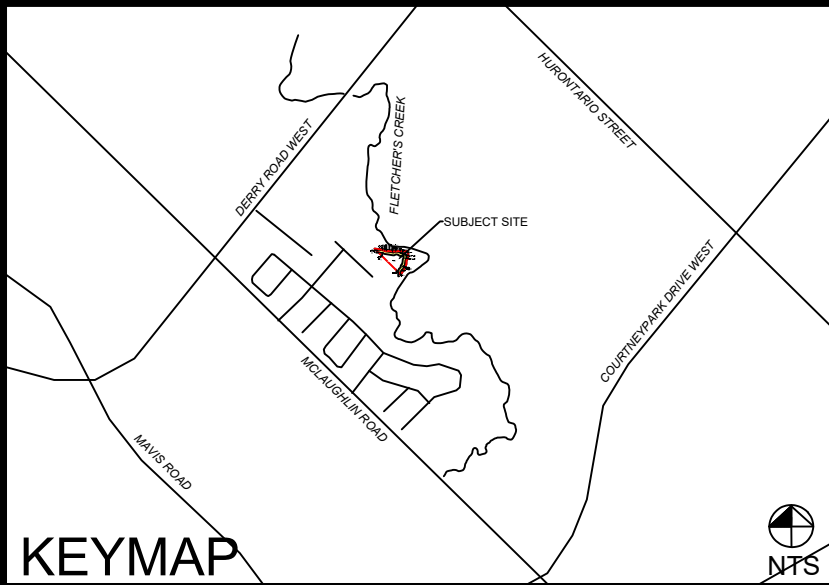
2  
L-4  
NTS  
TYPICAL CALIPER-SIZED DECIDUOUS TREE PLANTING DETAIL



3  
L-4  
NTS  
TYPICAL CONIFEROUS TREE PLANTING DETAIL



4  
L-4  
NTS  
TYPICAL SHRUB PLANTING DETAIL



KEYMAP

LEGEND

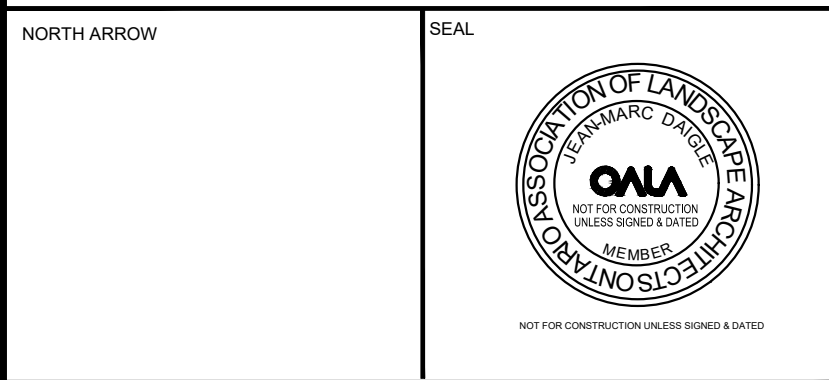


**PROPOSED**  
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Notes: Scale shown is for an 36" x 24" page.  
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SCALE



CLIENT

BALBIR BABRA

PROJECT  
44-45 LONGVIEW PLACE,  
CITY OF MISSISSAUGA  
LANDSCAPE RESTORATION PLAN

SHEET TITLE

DETAILS

DESIGN BY: -- PROJECT №: 219567

DRAWN BY: JA FIGURE №:

CHECKED BY: JMD

DATE: 10 June 2024

L-4