

## LEGEND

EXISTING TREE TO REMAIN. SYMBOL SIZE REFLECTS CRZ

EXISTING TREE TO REMOVE, SYMBOL SIZE REFLECTS CRZ

TREE PROTECTION FENCE

#### TREE PROTECTION

Implement the following protection measures for retained trees, both on site and on adjacent sites, prior to any work activity, including tree removal. Maintain tree protection fence in place and in good condition for the duration of site works:

- 1. The Landscape Architect or Certified Arborist is to determine the location of the tree protection fencing and detail it on any associated plans for the site (e.g. tree conservation report, tree disclosure report, etc.).
- 2. Under the guidance of a Landscape Architect or Certified Arborist, erect a fence at the critical root zone (CRZ) of trees. Diameter at breast height (DBH) is the trunk diameter measured at 1.3m height on the tree trunk. The CRZ is calculated as DBH x 10. Refer to the Tree Protection Fence
- 3. Refer to the Tree Protection Plan for fence location. City Forestry Staff are to approve both the plan and the installed fence prior to work commencement.
- 4. Do not place any material or equipment within 2m of the CRZ of any tree, including outhouses.
- Do not attach any signs, notices, or posters to any tree. 6. Do not disturb, raise, or lower the existing grade within the
- CRZ without approval. 7. Only tunnel or bore when digging within the CRZ of a tree. Hand work only where required within the CRZ; absolutely no machinery permitted
- 8. Do not damage the root system, trunk, or branches, or any
- 9. Do not extend hard surface or significantly change landscaping.
- 10. Ensure that exhaust fumes from all equipment are directed away from any tree canopy.
- 11. When trees marked for removal overlap with the CRZ of trees marked for preservation: cut roots at the edge of the CRZ and grind down stumps after tree removals, do not pull out stumps. Ensure there is not root pulling or disturbance of the ground within the CRZ.
- 12. Prior to work taking place, notify and consult the Landscape Architect and City Forestry Staff if roots must be cut. Roots 20mm or larger should be cut at right angles with clean, sharp horticultural tools without tearing, crushing, or pulling. Refer to City of Ottawa Specification S.P. F-8011 Tree Protection, Excavation of Root Zone.
- 13. If damaged or objectionable branches are observed, consult the Landscape Architect, before any work is conducted. Do not prune leaders. Do not prune more than 1/4 of crown. 14. Set up a water and fertilizing program, if trees are being
- affected by site works, to the satisfaction of the Landscape 15. The Landscape Architect is to prescribe mitigation measures if the protected fenced area must be reduced to facilitate
- construction. Measures may include the placement of plywood, wood chips, or steel plating over the roots for protection. City Forestry Staff are to approve said measures prior to fence movement.
- 16. City of Ottawa By-law: Protects municipal trees and municipal natural areas in the City of Ottawa and trees on private property in the urban area of the City of Ottawa (2020-340).

#### OWNER 2317916 ONT INC. 2081 MERIVALE ROAD OTTAWA, ON, K2G 1G9

ARCHITECT PROJECT 1 STUDIO 260 ST. PATRICK ST., SUITE 300

OTTAWA, ON, K1N 5K5 PLANNER

NOVATECH 240 MICHAEL COWPLAND DRIVE, SUITE 200 OTTAWA, ON, K2M 1P6

LANDSCAPE ARCHITECT NOVATECH 240 MICHAEL COWPLAND DRIVE, SUITE 200 OTTAWA, ON, K2M 1P6

CIVIL ENGINEER

STANTEC 300 - 1331 CLYDE AVENUE OTTAWA, ON, K2C 3G4

SURVEYOR

ANNIS O'SULLIVAN VOLLEBEKK LTD. 14 CONCOURSE GATE, SUITE 500 OTTAWA, ON, K2E 7S6

# **EXISTING TREE INVENTORY:**

NOTE: EXISTING TREES (8, 9 AND 10) ARE OUTSIDE THE PROPERTY LINE. TREE LOCATIONS ARE SCHEMATIC ONLY.

DBH (cm) CRZ (m) Condition Owner Remarks

		(s,	· · · · · · · · · · · · · · · · · · ·	Contantion	•		11000111111
Acer platanoides	Norway Maple	23.0	2.30	F	Client	Conflict	Remove
Acer platanoides	Norway Maple	25.0	2.50	F	Client	Conflict	Remove
Acer negundo	Manitoba Maple	20.0	2.00	F	Client	Conflict	Remove
Acer negundo	Manitoba Maple	25.0	2.50	F	Client	Conflict	Remove
Acer negundo	Manitoba Maple	25.0	2.50	F	Client	Conflict	Remove
Syringa vulgaris	Common Lilac	21.0	2.10	Р	Client	Conflict - 6 stems - 7cm ea. Dead wood evident, low vigor, suffering lack of light, leaning	Remove
Picea glauca	White Spruce	20.0	2.00	F	Client	Conflict	Remove
Tillia americana	Basswood	20.0	2.00	VP	Neighbour	Presence of insects and disease; swollen areas on trunk; leader gone, decay evident in a number of places	Remove
Pinus strobus	White Pine	10.0	1.00	G	Neighbour		PROTECT
Picea glauca	White Spruce	20.0	2.00	G	Neighbour	Conflict	Remove
	Acer platanoides  Acer negundo  Acer negundo  Acer negundo  Syringa vulgaris  Picea glauca  Tillia americana  Pinus strobus	Acer platanoides  Acer negundo  Acer negundo  Acer negundo  Manitoba Maple  Acer negundo  Manitoba Maple  Syringa vulgaris  Common Lilac  Picea glauca  White Spruce  Tillia americana  Basswood  Pinus strobus  White Pine	Acer platanoidesNorway Maple23.0Acer platanoidesNorway Maple25.0Acer negundoManitoba Maple20.0Acer negundoManitoba Maple25.0Acer negundoManitoba Maple25.0Syringa vulgarisCommon Lilac21.0Picea glaucaWhite Spruce20.0Tillia americanaBasswood20.0Pinus strobusWhite Pine10.0	Acer platanoides         Norway Maple         23.0         2.30           Acer platanoides         Norway Maple         25.0         2.50           Acer negundo         Manitoba Maple         20.0         2.00           Acer negundo         Manitoba Maple         25.0         2.50           Acer negundo         Manitoba Maple         25.0         2.50           Syringa vulgaris         Common Lilac         21.0         2.10           Picea glauca         White Spruce         20.0         2.00           Tillia americana         Basswood         20.0         2.00           Pinus strobus         White Pine         10.0         1.00	Acer platanoides         Norway Maple         23.0         2.30         F           Acer platanoides         Norway Maple         25.0         2.50         F           Acer negundo         Manitoba Maple         20.0         2.00         F           Acer negundo         Manitoba Maple         25.0         2.50         F           Acer negundo         Manitoba Maple         25.0         2.50         F           Syringa vulgaris         Common Lilac         21.0         2.10         P           Picea glauca         White Spruce         20.0         2.00         F           Tillia americana         Basswood         20.0         2.00         VP           Pinus strobus         White Pine         10.0         1.00         G	Acer platanoidesNorway Maple23.02.30FClientAcer platanoidesNorway Maple25.02.50FClientAcer negundoManitoba Maple20.02.00FClientAcer negundoManitoba Maple25.02.50FClientAcer negundoManitoba Maple25.02.50FClientSyringa vulgarisCommon Lilac21.02.10PClientPicea glaucaWhite Spruce20.02.00FClientTillia americanaBasswood20.02.00VPNeighbourPinus strobusWhite Pine10.01.00GNeighbour	Acer platanoides       Norway Maple       23.0       2.30       F       Client       Conflict         Acer platanoides       Norway Maple       25.0       2.50       F       Client       Conflict         Acer negundo       Manitoba Maple       25.0       2.50       F       Client       Conflict         Acer negundo       Manitoba Maple       25.0       2.50       F       Client       Conflict         Acer negundo       Manitoba Maple       25.0       2.50       F       Client       Conflict         Acer negundo       Manitoba Maple       25.0       2.50       F       Client       Conflict         Acer negundo       Manitoba Maple       25.0       2.50       F       Client       Conflict         Syringa vulgaris       Common Lilac       21.0       2.10       P       Client       Conflict - 6 stems - 7cm ea. Dead wood evident, low vigor, suffering lack of light, leaning         Picea glauca       White Spruce       20.0       2.00       F       Client       Conflict         Tillia americana       Basswood       20.0       2.00       VP       Neighbour       Presence of insects and disease; swollen areas on trunk; leader gone, decay evident in a number of places         Pinus strobus

 L	Legend									
	G	Good	Conflict	Remove du	e to conflict	t with consti	uction.			
	F	Fair	Remove	Remove du	e to tree he	elath or invas	ive status.			
	Р	Poor	PROTECT	Protect tree	es as per co	ontract deta	ils and speci	fications.		

WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED BEFORE STARTING WORK, DETERMINE THE EXACT

DATE REVISION

Suite 200, 240 Michael Cowpland Drive

(613) 254-9643

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www.novatech-eng.com

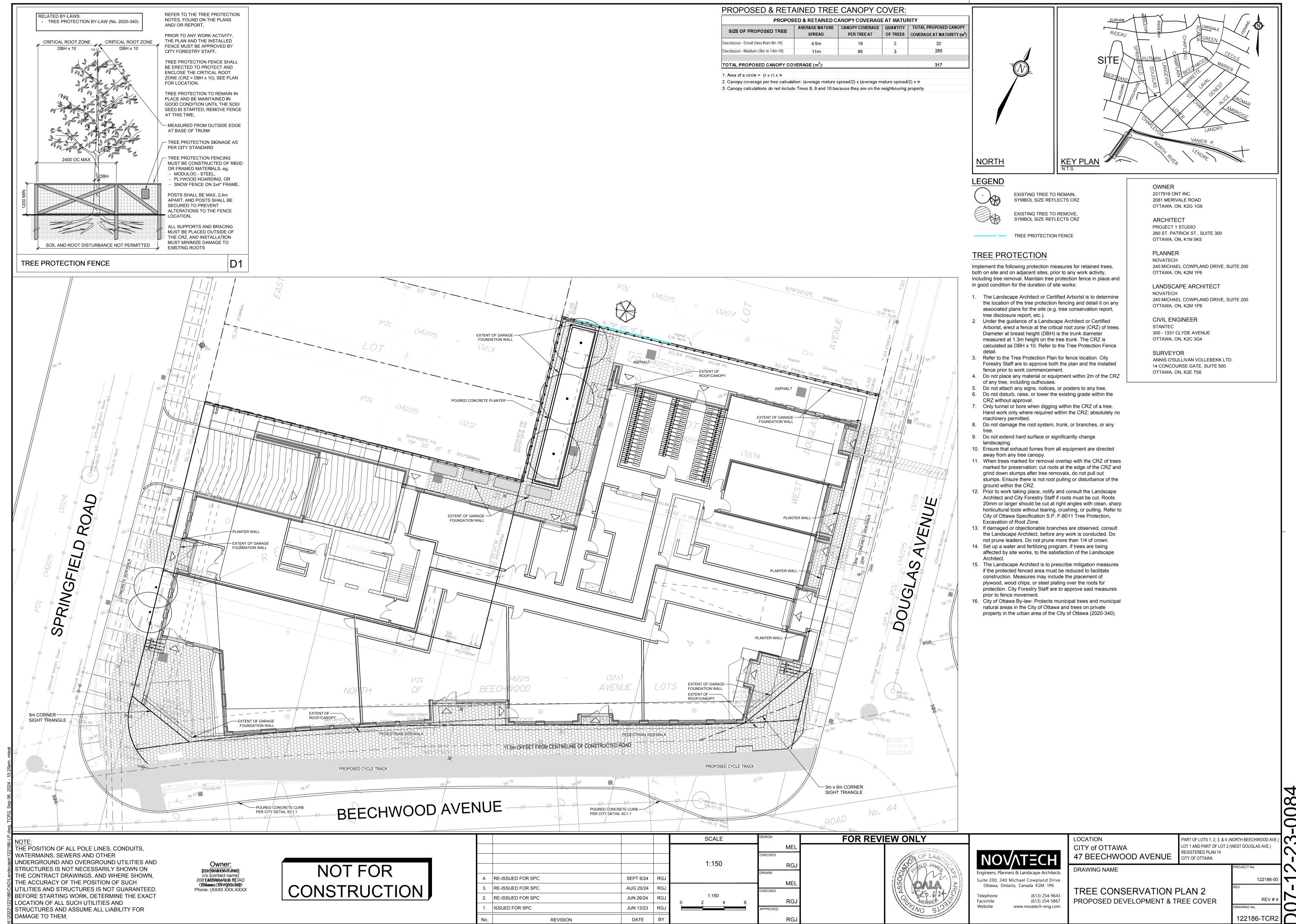
CITY of OTTAWA 47 BEECHWOOD AVENUE DRAWING NAME

PART OF LOTS 1, 2, 3, & 4 (NORTH BEECHWOOD AV OT 1 AND PART OF LOT 2 (WEST DOUGLAS AVE.) REGISTERED PLAN 74

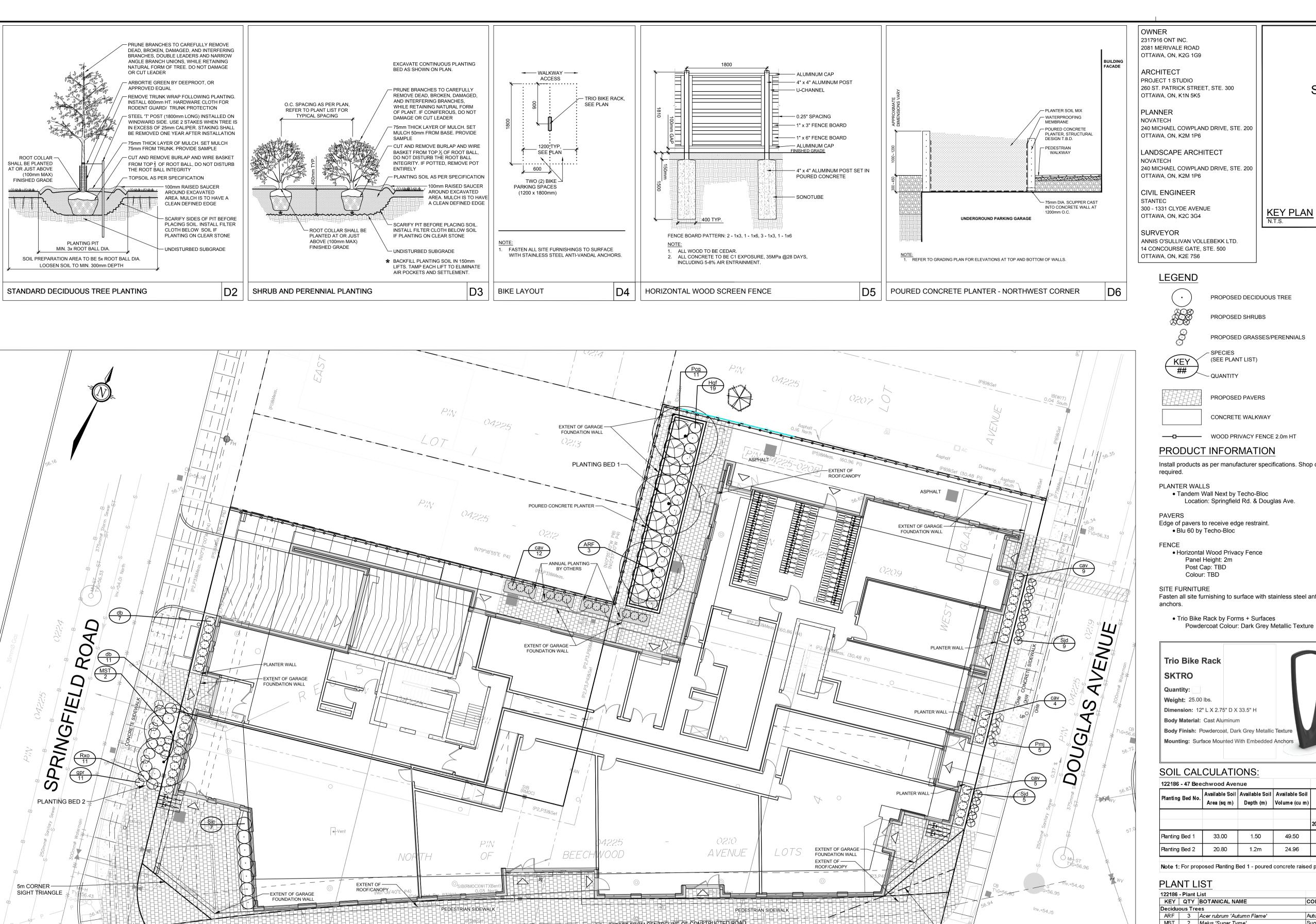
TREE CONSERVATION PLAN 1 **EXISTING CONDITION & TREE COVER** 

122186-TCR1

122186-00



#19043



2317916 ONT INC. 2081 MERIVALE ROAD OTTAWA, ON, K2G 1G9 PROJECT 1 STUDIO 260 ST. PATRICK STREET, STE. 300 OTTAWA, ON, K1N 5K5

240 MICHAEL COWPLAND DRIVE, STE. 200 OTTAWA, ON, K2M 1P6

240 MICHAEL COWPLAND DRIVE, STE. 200 OTTAWA, ON, K2M 1P6

CIVIL ENGINEER 300 - 1331 CLYDE AVENUE

ANNIS O'SULLIVAN VOLLEBEKK LTD. 14 CONCOURSE GATE, STE. 500

## **GENERAL**

**KEY PLAN** 

- 1. Read and interpret this drawing/ drawing set in conjunction with all the contract details and specifications, including related civil, utility, structural, architectural, mechanical, electrical, environmental, geotechnical, and survey information.
- 2. The Contractor is to determine the exact location, size, material, and elevation of all existing utilities prior to commencing construction. Protect and assume responsibility for all existing utilities regardless of being shown on the drawings.
- 3. It is essential to use the plans and details in conjunction with the specifications and notes. 4. Do not scale drawings. Work to dimensions only.
- 5. Protect all existing and retained vegetation for the duration of construction according to the contract details and specifications.
- 6. Reinstate all areas and items damaged or disturbed, beyond the Limit of Work, because of construction activities, including but not limited to construction staging areas, haul roads, stockpile areas, etc. to the satisfaction of the Consultant. Unless otherwise noted, Contractor is to reinstate all areas to pre-construction condition or better to the satisfaction of the Contract Administrator.

# PLANTING

Install products as per manufacturer specifications. Shop drawings 2.

PROPOSED DECIDUOUS TREE

PROPOSED GRASSES/PERENNIALS

PROPOSED SHRUBS

- SPECIES

(SEE PLANT LIST)

PROPOSED PAVERS

CONCRETE WALKWAY

PLANTER WALLS

 Tandem Wall Next by Techo-Bloc Location: Springfield Rd. & Douglas Ave.

Edge of pavers to receive edge restraint.

Blu 60 by Techo-Bloc

 Horizontal Wood Privacy Fence Panel Height: 2m Post Cap: TBD Colour: TBD

Fasten all site furnishing to surface with stainless steel anti-vandal

• Trio Bike Rack by Forms + Surfaces

**Trio Bike Rack** Quantity: Weight: 25.00 lbs. **Dimension:** 12" L X 2.75" D X 33.5" H Body Material: Cast Aluminum

Body Finish: Powdercoat, Dark Grey Metallic Texture

- 1. Plant material to be No. 1 Grade and is to comply with Canadian Standards for Nursery Stock (latest edition) published by the Canadian Nursery Landscape Association. Use structurally sound plant material with strong fibrous root system free of disease, defects, and injuries. Use trees with straight trunks, well and characteristically branched for species. Obtain approval from consultant of plant material at source prior to digging. All trees and shrubs to be container grown, potted, W/B or B/B, as indicated on Plant List. Bare root plants are only acceptable for certain species and as approved by the Landscape Architect.
- 3. Plant material substitutions are not be permitted without the written approval from the Consultant, with 48 hours notice, prior to shipping plant material.
- 4. Plant locations are schematic / approximate only. Contractor is to stake out locations on site for approval by the Landscape Architect prior to installation.
- 5. The illustrated number of plants shown in the Planting Plan supersedes the estimated number in the Plant List. Contractor to report any discrepancies to the Landscape Architect prior to installation. Contractor will assume full responsibility if the Landscape Architect is not notified. 6. Ensure trees are thoroughly watered following planting.
- Monitor material and ensure adequate moisture until 7. In heavy clay or poorly drained soils, set root ball with root collar 75-100mm higher than finished grade.
- Approved topsoil depths are as follows: a. Plant Beds - **450mm** continuous depth. Applies to shrubs, perennials, vines, and groundcovers.
- Apply the following mineral fertilizer unless soil tests show a. Plant Beds - (8-32-16), i.e. 8% Nitrogen, 32% Phosphorus, 16% Potash per manufacturer specifications.

122186 - 47 Beechwood Avenue									
Planting Bed No.	Available Soil Area (sq m)		Available Soil Volume (cu m)	No. of Proposed Trees			Total No. of trees	Min. required Soil Volume total (cu m)	
				Small	Medium	Large	Evergreen		
				20m³ or 12m³	25m³ or 15m³	30m³ or 18m³	25m³ or 15m³		
Planting Bed 1	33.00	1.50	49.50	0	3	0	0	3	45m³
Planting Bed 2	20.80	1.2m	24.96	2	0	0	0	2	24m³

Note 1: For proposed Planting Bed 1 - poured concrete raised planter to provide adequate soil volume to support 3 medium trees

## DI ANT LICT

PLAI	<u>VIL</u>	.151						
122186	- Plant	List						
KEY	QTY	BOTANICAL NAME	COMMON NAME	OWNERSHIP	COMMENT	SIZE	COND	SPACING
Decidu	ous Tre	es						
ARF	3	Acer rubrum 'Autumn Flame'	Autumn Flame Red Maple	Private	Native Cultivar	50mm Cal	WB	As Shown
MST	2	Malus 'Sugar Tyme'	Sugar Tyme Crabapple	City	Non Native	50mm Cal	WB	As Shown
Conifer	ous Sh	rubs						
Pmj	5	Pinus mugo 'Jakobsen'	Jakobsen Mugo Pine	City		40cm Spr	BB	As Shown
Decidu	ous Sh	rubs						
Hqf	19	Hydrangea pan. 'Tiny Quick Fire' (SMNHPSB)	Tiny Quick Fire Hydrangea	Private		40cm Ht	PT	As Shown
Pcg	11	Physocarpus opulifolius 'Centre Glow'	Centre Glow Ninebark	Private		60cm Ht	PT	As Shown
Rxo	11	Rosa x 'Italian Ice'	Oso Easy Italian Ice Rose	City		50cm Ht.	PT	As Shown
Sjd	14	Spiraea japonica 'Double Play Candy Corn'	Double Play Candy Corn Spirea	City		50cm Ht	PT	As Shown
Sic	7	Stephanandra incisa 'Crispa'	Cutleaf Stephanandra	Private		40cm Ht	PT	As Shown
Perenn	ials							
gpr	11	Geranium 'Rozanne'	Rozanne Cranesbill	City		1g	PT	As Shown
Orname	ental Gr	asses						
cav	30	Calamagrostis acutiflora 'Avalanche'	Avalanche Feather Reed Grass	Private		1g	PT	As Shown
db	18	Deschampsia cespitosa 'Bronzeschleier'	Bronze Veil Tufted Hair Grass	Private		1g	PT	As Shown

THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR

DAMAGE TO THEM.

2317916 ONT INC. 2081 MERIVALE ROAD POURED CONCRETE CURB

NOT FOR CONSTRUCTION

PROPOSED CYCLE TRACK

BEECHWOOD AVENUE

SCALE 1:150 RG RE-ISSUED FOR SPC SEPT 6/24 ME RE-ISSUED FOR SPC AUG 20/24 RE-ISSUED FOR SPC JUN 26/24 ISSUED FOR SPC JUN 13/23 DATE REVISION

POURED CONCRETE CURB — PER CITY, DETAIL SC1.1

PROPOSED CYCLE TRACK

**FOR REVIEW ONLY** 

-3m x 9m CORNER SIGHT TRIANGLE

> (613) 254-9643 (613) 254-5867

Suite 200, 240 Michael Cowpland Drive Ottawa, Ontario, Canada K2M 1P6

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PART OF LOTS 1, 2, 3, & 4 (NORTH BEECHWOOD AVE OT 1 AND PART OF LOT 2 (WEST DOUGLAS AVE.) **CITY of OTTAWA** REGISTERED PLAN 74 47 BEECHWOOD AVENUE DRAWING NAME

122186-00 LANDSCAPE PLAN 122186-LP1