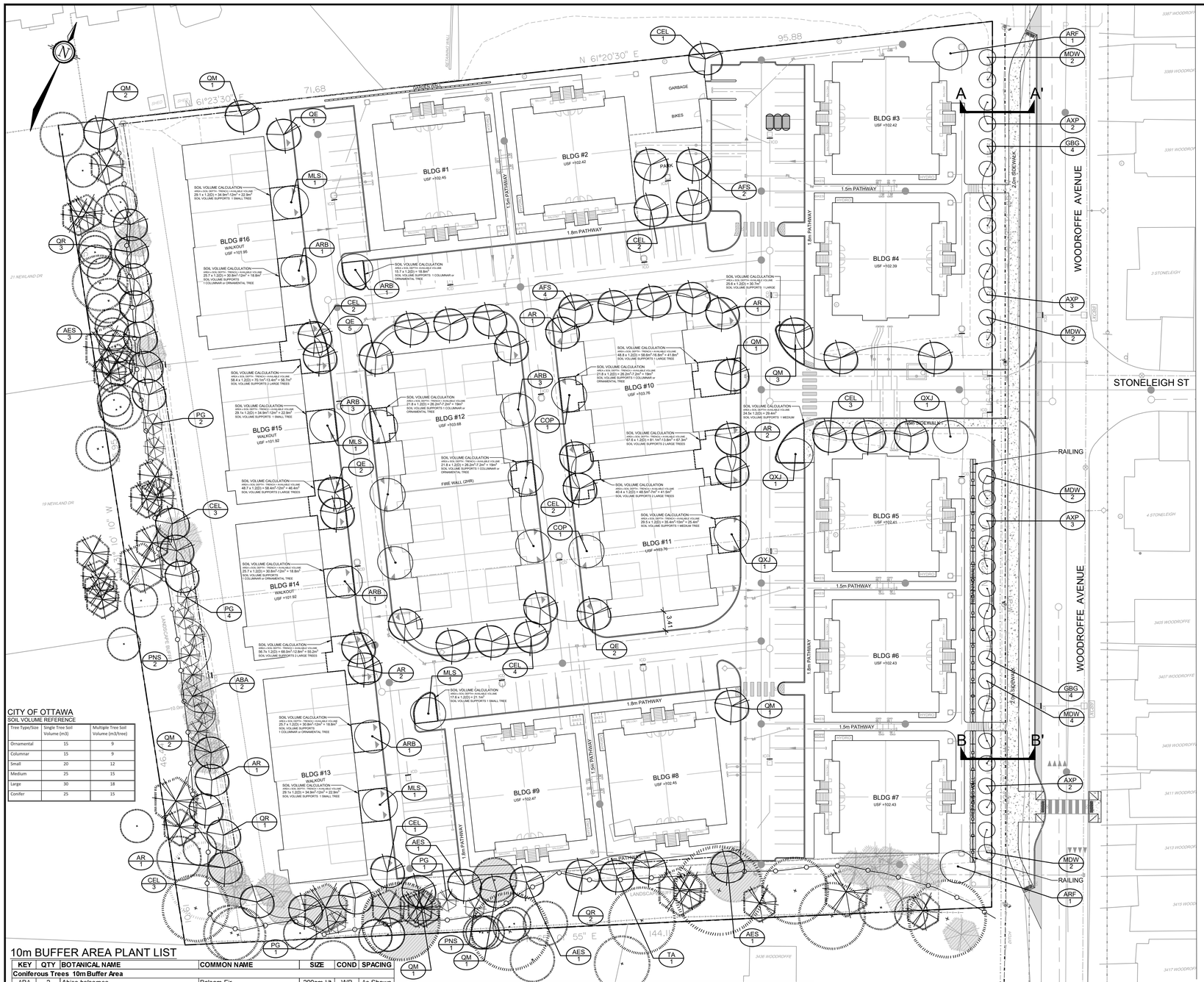
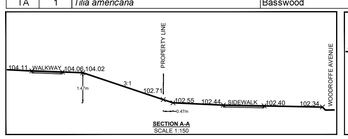


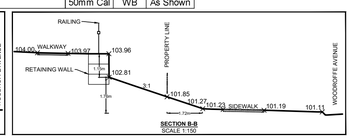
CITY OF OTTAWA
SOIL VOLUME REFERENCE

Tree Type/Size	Single Tree Soil Volume (m3)	Multiple Tree Soil Volume (m3/tree)
Ornamental	15	9
Columnar	15	9
Small	20	12
Medium	25	15
Large	30	18
Conifer	25	15

10m BUFFER AREA PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING
Coniferous Trees 10m Buffer Area						
ABA	2	*Abies balsamea*	Balsam Fir	200cm Ht	WB	As Shown
PG	6	*Picea glauca*	White Spruce	200cm Ht	WB	As Shown
PNS	5	*Pinus strobus*	Eastern White Pine	200cm Ht	WB	As Shown
Deciduous Trees 10m Buffer Area						
AR	2	*Acer rubrum*	Red Maple	50mm Cal	WB	As Shown
AES	6	*Acer saccharum*	Sugar Maple	50mm Cal	WB	As Shown
CEL	6	*Celtis occidentalis*	Hackberry	50mm Cal	WB	As Shown
QM	6	*Quercus macrocarpa*	Burr Oak	50mm Cal	WB	As Shown
QR	6	*Quercus rubra*	Red Oak	50mm Cal	WB	As Shown
TA	1	*Tilia americana*	Basswood	50mm Cal	WB	As Shown





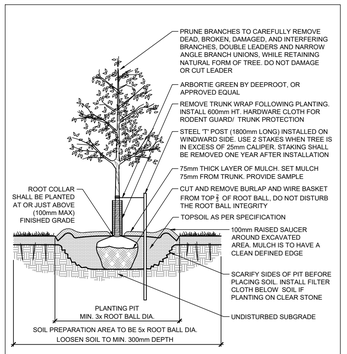
ANALYSIS OF PROPOSED CANOPY COVERAGE AT MATURITY

SIZE OF PROPOSED TREE	AVERAGE MATURE SPREAD	CANOPY COVERAGE PER TREE AT MATURITY (m^2)	QUANTITY OF TREES	TOTAL PROPOSED CANOPY COVERAGE AT MATURITY (m^2)
Deciduous - Small (less than 6m Ht)	4.5	16.0	30	480
Deciduous - Medium (6m to 14m Ht)	10	79.0	15	1185
Deciduous - Large (15m+ Ht)	14	154.0	45	6930
			90	
TOTAL PROPOSED CANOPY COVERAGE (m^2):				**8595**
TOTAL AREA OF PRIVATE PROPERTY SITE (m^2):				**20748.1**
ESTIMATED PROPOSED CANOPY COVERAGE (%):				**41%**

1. Area of a circle = $(r \times r) \times \pi$
2. Canopy coverage per tree calculation: (average mature spread/2) x (average mature spread/2) x π
3. Area calculations in table exclude 10m Buffer Area

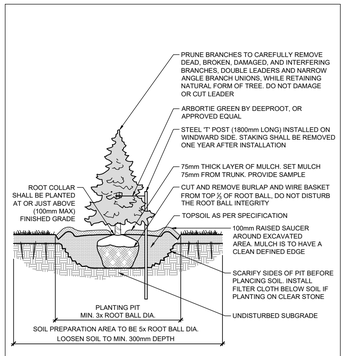
PLANT LIST

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING
Deciduous Trees On Site						
AR	6	*Acer rubrum*	Red Maple	50mm Cal	WB	As Shown
ARF	2	*Acer rubrum 'Autumn Flame'*	Autumn Flame Red Maple	50mm Cal	WB	As Shown
ARB	10	*Acer rubrum 'Bowhall'*	Bowhall Red Maple	50mm Cal	WB	As Shown
AFS	6	*Acer x freemanii 'Sienna'*	Sienna Glen Maple	50mm Cal	WB	As Shown
AXP	10	*Amelanchier x grandiflora 'Princess Diana'*	Princess Diana Serviceberry	50mm Cal	WB	As Shown
CEL	15	*Celtis occidentalis*	Hackberry	50mm Cal	WB	As Shown
COP	2	*Celtis occidentalis 'Prairie Sentinel'*	Prairie Sentinel Hackberry	50mm Cal	WB	As Shown
GBG	8	*Ginkgo biloba 'Gold Spire' (BLAGON)*	Gold Spire Maidenhair Tree	150cm Ht	PT	As Shown
MDW	12	*Malus 'Donald Wyman'*	Donald Wyman Crabapple	50mm Cal	WB	As Shown
MLS	4	*Malus 'Spring Snow'*	Spring Snow Crabapple	50mm Cal	WB	As Shown
QE	10	*Quercus ellipsoidalis*	Northern Pin Oak	50mm Cal	WB	As Shown
QM	6	*Quercus macrocarpa*	Burr Oak	50mm Cal	WB	As Shown
QXJ	3	*Quercus x jackiana 'Jefmir'*	Admiration Hybrid Oak	50mm Cal	WB	As Shown

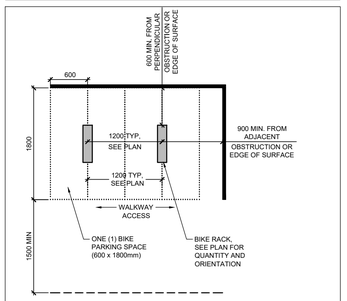


TREE PROTECTION FENCE — D1

STANDARD DECIDUOUS TREE PLANTING — D2

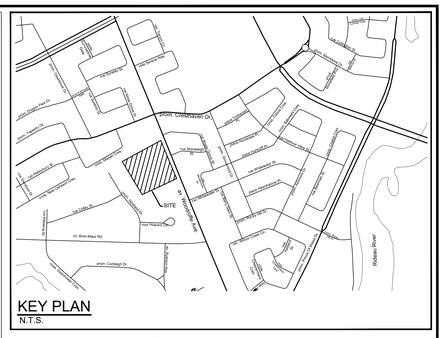


STANDARD CONIFEROUS TREE PLANTING — D3



NOTE:
1. FASTEN ALL SITE FURNISHINGS TO SURFACE WITH STAINLESS STEEL ANTI-VANDAL ANCHORS.

BIKE LAYOUT — D4



KEY PLAN
N.T.S.

LEGEND

- PROPERTY LIMIT
- PROPOSED DECIDUOUS TREE
- EXISTING TREE TO REMAIN
- EXISTING TREE TO REMOVE
- TREE PROTECTION FENCE
- KEY ## — SPECIES (SEE PLANT LIST); QUANTITY
- PROPOSED CHAINLINK FENCE 1.5m HT
- PROPOSED RAILING 1.1m HT
- SOIL VOLUME

GENERAL

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

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.
2. 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 acceptance.
7. In heavy clay or poorly drained soils, set root ball with root collar 75-100mm higher than finished grade.
8. Approved topsoil depths are as follows:
   a. Plant Beds - **450mm** continuous depth. Applies to shrubs, perennials, vines, and groundcovers.
   b. Sod/ Seed Areas - **100mm** depth.
   c. Reforestation - **300mm** depth.
9. Sod to be No. 1 Kentucky Bluegrass Sod grown from minimum mixture of 3 Kentucky Bluegrass cultivars. Quality and source are to comply with Canadian Standards for Nursery Stock, Section 17, (latest edition) published by the Canadian Nursery Landscape Nursery Landscape Association.
10. Apply the following mineral fertilizer unless soil tests show other requirements:
    a. Plant Beds - (8-32-16), i.e. 8% Nitrogen, 32% Phosphorus, 16% Potash per manufacturer specifications.
    b. Sod Areas - (8-32-16), i.e. 8% Nitrogen, 32% Phosphorus, 16% Potash at a rate of 350kg/ha.
12. Where applicable, for any plant areas with a mix of species/ cultivars notes, Contractor is to cluster like plants in groups of 3-5 and evenly distribute these in the noted area.

NOTE:
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.

DISCLAIMER:
The elements on this plan illustrate the design intent and general constructibility of the proposed landscape which will support the associated development.
This is to demonstrate how the canopy cover, urban design, health, and climate change objectives of the Official Plan will be met through tree planting and site design.
This drawing is for City review only and is not intended for construction. Final detailed design and construction documentation is to be provided with certified 'Issued for Construction' drawings and specifications prior to construction.

PHOENIX HOMES
SINCE 1988
18A BENTLEY AVE
OTTAWA, ON, K2E 6TB

No.	REVISION	DATE	BY
4.	RE-ISSUED PER CITY COMMENTS	AUG 18/26	SC
3.	RE-ISSUED FOR SITE PLAN APPLICATION	APR 24/26	SC
2.	RE-ISSUED FOR SITE PLAN APPLICATION	NOV 5/25	SC
1.	ISSUED FOR SITE PLAN APPLICATION	OCT 7/25	SC

SCALE 1:400

DESIGN	MEL
CHECKED	SC
DRAWN	MEL
CHECKED	SC
APPROVED	SC

FOR REVIEW ONLY

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — SCOTT COLLETT — MEMBER — Aug 18, 2026

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Ottawa, Ontario, Canada K2M 1P6
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Facsimile (613) 254-5867
Website www.novatech-eng.com

LOCATION
CITY of OTTAWA
3400 WOODROFFE AVENUE

DRAWING NAME
LANDSCAPE PLAN

PROJECT No. 124147-00
REV REV # 4
DRAWING No. 124147-L

D02-02-25-0090 D07-12-25-0158

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PLAN1.DWG - 841x1189mm

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