

LEGEND

- PROPERTY LIMIT
- PROPOSED CONCRETE
- PROPOSED PAVERS
- ENGINEERED WOOD FIBRE
- SOD
- PERENNIALS
- REFORESTATION
- PROPOSED DECIDUOUS TREE
- PROPOSED CONIFEROUS TREE
- EXISTING TREE TO REMAIN
- TREE PROTECTION FENCE
- EXISTING TREE TO REMOVE
- PROPOSED SHRUBS
- SPECIES (SEE PLANT LIST)
- QUANTITY

TREE CANOPY CALCULATIONS

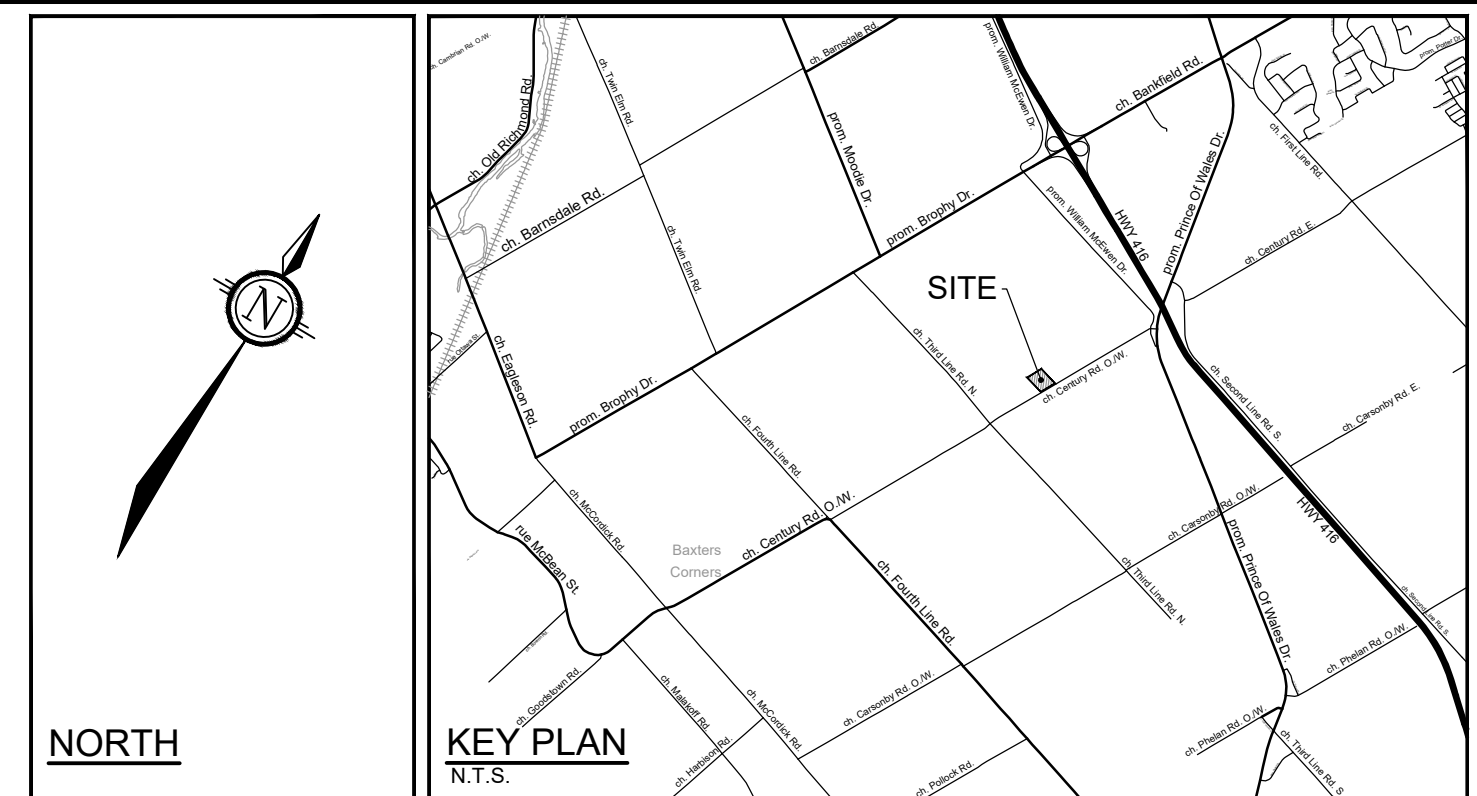
EXISTING / RETAINED TREES - CANOPY COVERAGE					
	AVERAGE EXISTING SPREAD	CANOPY COVERAGE EXISTING PER TREE (m2)	QUANTITY OF TREES	TOTAL EXISTING CANOPY COVERAGE (m²)	
Existing Large Deciduous trees	10m	79	17	1343	
Existing Medium Deciduous trees	8m	50	3	150	
Existing Small Deciduous trees	5m	20	3	60	
Existing Coniferous trees on site	5m	20	19	380	
Existing Hedgerows				3200	
TOTAL EXISTING CANOPY COVERAGE (m²):				5133	

- Area of a circle =  $(\pi \times r) \times \pi$
- Canopy coverage per tree calculation:  $(\text{average mature spread} / 2) \times (\text{average mature spread} / 2) \times \pi$

PROPOSED TREES - CANOPY COVERAGE AT MATURITY				
SIZE OF PROPOSED TREE	AVERAGE MATURE SPREAD	CANOPY COVERAGE PER TREE AT MATURITY (m2)	QUANTITY OF TREES	TOTAL PROPOSED CANOPY COVERAGE AT MATURITY (m²)
Deciduous - Small (less than 6m Ht)	5m	20	2	39
Deciduous - Medium (6m to 14m Ht)	11m	95	7	665
Deciduous - Large (15m+ Ht)	14m	154	18	2772
TOTAL PROPOSED CANOPY COVERAGE (m²):				3476

PROPOSED REFORESTATION TREES - CANOPY COVERAGE AT MATURITY		
PROPOSED REFORESTATION AREA	AREA OF REFORESTATION	AT MATURITY
	3300	x1.50
TOTAL PROPOSED CANOPY COVERAGE (m²):		4950

SITE AREA : 36,400m²  
TOTAL CANOPY COVERAGE : 13,559m² = 37%



TREE TRANSPLANTING

- Prior to transplanting water tree thoroughly.
- Use a tree spade of appropriate size.
- Transplant only during appropriate season and weather conditions.
- Prior to moving any tree, mark the north side of a tree, as it stands, and ensure that the tree is repositioned in its new location with the same orientation relative to north.
- Fill the gaps/voids with topsoil immediately and saucer around every transplanted tree.
- Regular watering is required during growing seasons for minimum one (1) full year after transplant.

SEED MIX AND APPLICATION

For areas steeper than 3:1, Contractor to apply erosion control blanket. Erosion control blanket to be machine woven mats made from natural wood, coco or cotton fiber, or combination depending on manufacturer, with stitching between two photo-degradable natural organic fiber nettings. Submit products for approval by Consultant. OPSS 804 applies except as may be amended and extended herein.

In addition to the specified seed mixes, all applications are to include a nurse crop as noted.

NURSE CROP  
• Annual Ryegrass  
Seeding Rate: 25kg/hectare

SEED MIX A CAMPUS GREEN SEED MIX BY DLF  
Seeding Rate: 150kg/hectare

SEED MIX B GREENFIELDS SEED MIX BY DLF  
Seeding Rate: 175kg/hectare

SOIL VOLUME CALCULATIONS

In this rural setting, all of the proposed trees are in open areas with no soil volume limitations, therefore no soil volume calculations have been prepared.

GENERAL

- 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.
- 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.
- It is essential to use the plans and details in conjunction with the specifications and notes.
- Do not scale drawings. Work to dimensions only.
- Protect all existing and retained vegetation for the duration of construction according to the contract details and specifications.
- 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

- 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, WB or BB, as indicated on Plant List. Bare root plants are only acceptable for certain species and as approved by the Landscape Architect.
- Plant material substitutions are not be permitted without the written approval from the Consultant, with 48 hours notice, prior to shipping plant material.
- Plant locations are schematic / approximate only. Contractor is to stake out locations on site for approval by the Landscape Architect prior to installation. Contractor to report any discrepancies to the Landscape Architect prior to installation. Contractor will assume full responsibility if the Landscape Architect is not notified.
- 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.
- Ensure trees are thoroughly watered following planting. Monitor material and ensure adequate moisture until acceptance.
- 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:
  - Plant Beds - 450mm continuous depth. Applies to shrubs, perennials, vines, and groundcovers.
  - Sod/Seed Areas - 100mm depth.
  - Reforestation - 300mm depth.
- 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.
- Apply the following mineral fertilizer unless soil tests show other requirements:
  - Plant Beds - (8-32-16), i.e. 8% Nitrogen, 32% Phosphorus, 16% Potash per manufacturer specifications.
  - Sod Areas - (8-32-16), i.e. 8% Nitrogen, 32% Phosphorus, 16% Potash at a rate of 350kg/ha.
- 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.

REFORESTATION PLANT LIST

%	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING
Deciduous Shrubs						
10.0%	43	Acer rubrum	Red Maple	1.20m Ht	PT	3.0m O.C.
10.0%	43	Acer saccharinum	Silver Maple	1.20m Ht	PT	3.0m O.C.
10.0%	43	Acer saccharum	Sugar Maple	1.20m Ht	PT	3.0m O.C.
9.75%	42	Betula alleghaniensis	Yellow Birch	1.20m Ht	PT	3.0m O.C.
10.0%	43	Betula papyrifera	Paper Birch	1.20m Ht	PT	3.0m O.C.
9.75%	42	Celtis occidentalis	Hackberry	1.20m Ht	PT	3.0m O.C.
9.75%	42	Populus tremuloides	Trembling Aspen	1.20m Ht	PT	3.0m O.C.
10.0%	43	Quercus macrocarpa	Burr Oak	1.20m Ht	PT	3.0m O.C.
10.0%	43	Quercus rubra	Red Oak	1.20m Ht	PT	3.0m O.C.
9.75%	42	Tilia americana	Basswood	1.20m Ht	PT	3.0m O.C.

PLANT LIST

125085 - Plant List

KEY	QTY	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING
Deciduous Trees						
ASI	4	Acer saccharinum	Silver Maple	50mm Cal	WB	As Shown
AES	4	Acer saccharum	Silver Maple	50mm Cal	WB	As Shown
AXR	3	Amelanchier x grandiflora 'Robin Hill'	Robin Hill Serviceberry	50mm Cal	WB	As Shown
CCAR	3	Cercis canadensis 'Appalachian Red'	Appalachian Red Redbud	200cm Ht	WB	As Shown
COA	1	Cornus alternifolia	Pagoda Dogwood	150cm Ht	WB	As Shown
CEL	3	Celtis occidentalis	Hackberry	50mm Cal	WB	As Shown
LTE	1	Liriodendron tulipifera 'Emerald City'	Emerald City	50mm Cal	WB	As Shown
PTO	3	Platanus occidentalis	American Sycamore	50mm Cal	WB	As Shown
QM	3	Quercus macrocarpa	Burr Oak	50mm Cal	WB	As Shown
Coniferous Shrubs						
Mid	15	Microbiota decussata	Siberian Carpet Cypress	50cm Spr	PT	120cm O.C.
Tax	3	Taxus cuspidata 'Capitata'	Clipped Japanese Pyramidal Yew	125cm Ht	PT	160cm O.C.
Deciduous Shrubs						
Bxp	21	Betula x Plettiker 'Cesky Gold'	Cesky Gold Dwarf Birch	50cm Ht	PT	80cm O.C.
Cau	52	Cornus sanguinea 'Arctic Sun'	Arctic Sun Dogwood	60cm Ht	PT	100cm O.C.
Dsb	36	Diervilla splendens 'Firefly' (BOKOFIRE)	Firefly Bush Honeysuckle	60cm Ht	PT	70cm O.C.
Hgf	14	Hydrangea paniculata 'Tiny Quick Fire' (SMNHP8B)	Tiny Quick Fire Hydrangea	40 cm Ht	PT	70cm O.C.
Pok	17	Physocarpus opulifolius 'Calico Kitty' (AUNTIEB)	Calico Kitty Ninebark	60cm Ht	PT	100cm O.C.
Poss	17	Physocarpus opulifolius 'Savannah Sunset' (LP1)	Savannah Sunset Ninebark	60cm Ht	PT	100cm O.C.
Sd	67	Salix discolor	Pussy Willow	40cm Ht	PT	300cm O.C.
Sdp	20	Symphoricarpos doorenbosii 'Kolmipca'	Pink Promise Snowberry	50cm Ht	PT	60cm O.C.
Perennial/Ornamental Grass						
ceo	36	Calamagrostis acutiflora 'Eldorado'	Eldorado Feather Reed Grass	1g	PT	45cm O.C.
hipp	39	Hosta 'Lakeside Paisley Print'	Lakeside Paisley Print Hosta	1g	PT	60cm O.C.

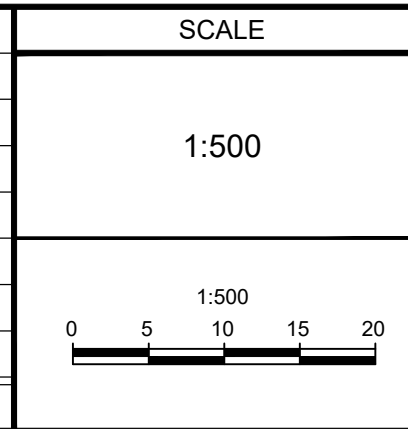
SOURCE REFERENCE:

Legal Information: Topographic Plan of Survey - Part of Lot 5, Concession 2, Township of North Gower, City of Ottawa, Annis, O'Sullivan, Vollebakk Ltd. / 2023 / NAD-83  
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NOTE:  
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMANS, 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.

NOT FOR CONSTRUCTION

No.	REVISION	DATE	BY
2.	ISSUED FOR SITE PLAN APPLICATION	AUG 21/25	RGJ
1.	COORDINATION	JUL 29/25	RGJ



DESIGN	RGJ
CHECKED	RGJ
DRAWN	MEL
CHECKED	RGJ
APPROVED	RGJ

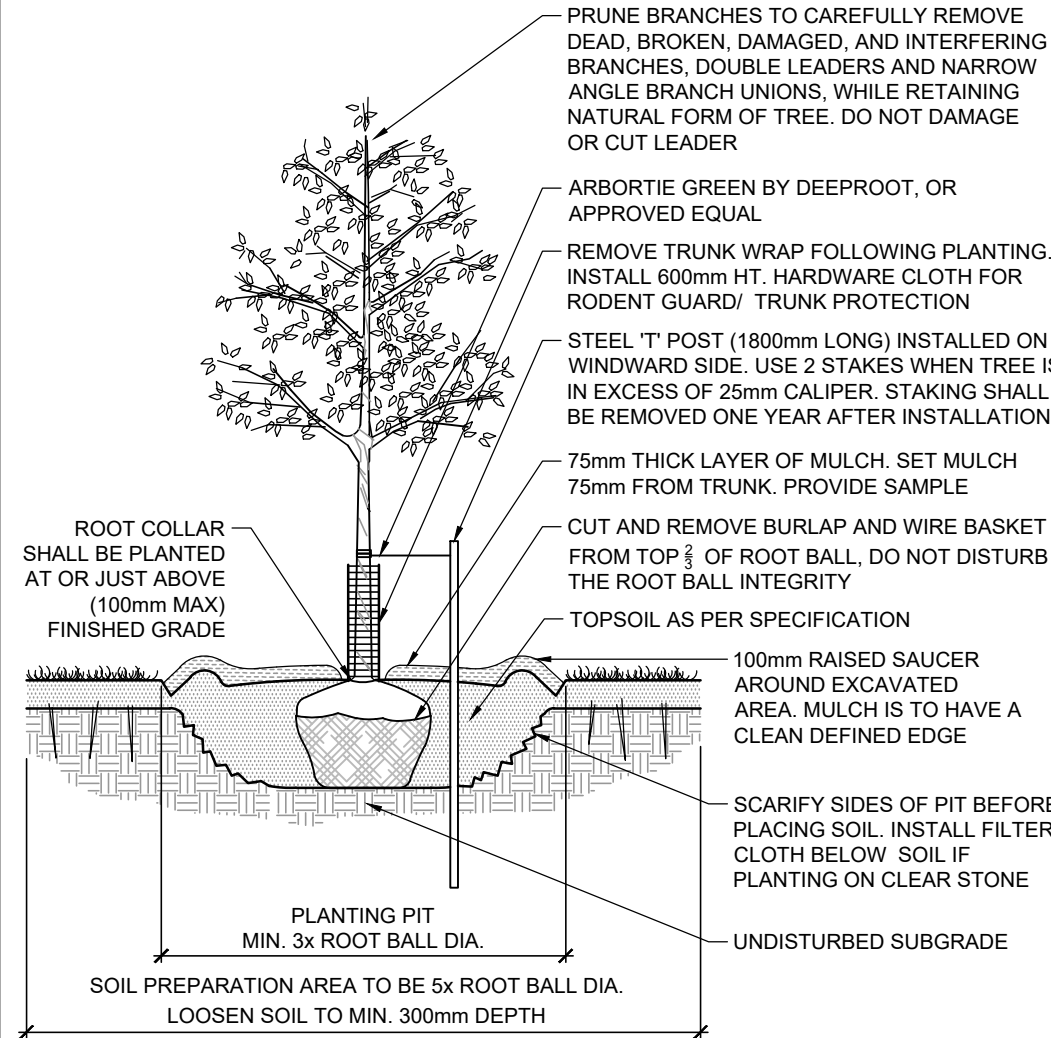
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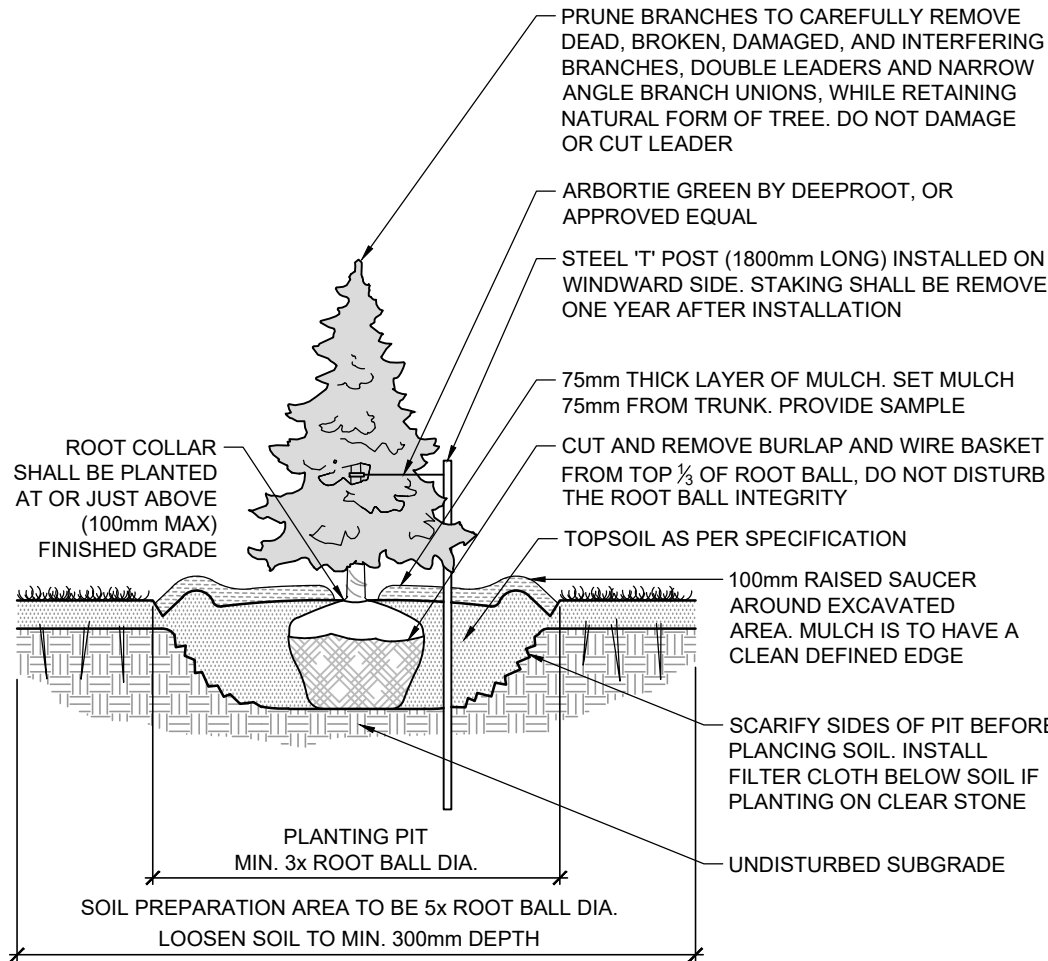
LOCATION CITY OF OTTAWA BCCO CHURCH ADDITION - 1981 CENTURY ROAD W.	
DRAWING NAME	PROJECT No. 125085-00
LANDSCAPE PLAN	REV REV # 2
	DRAWING No. 125085-L1





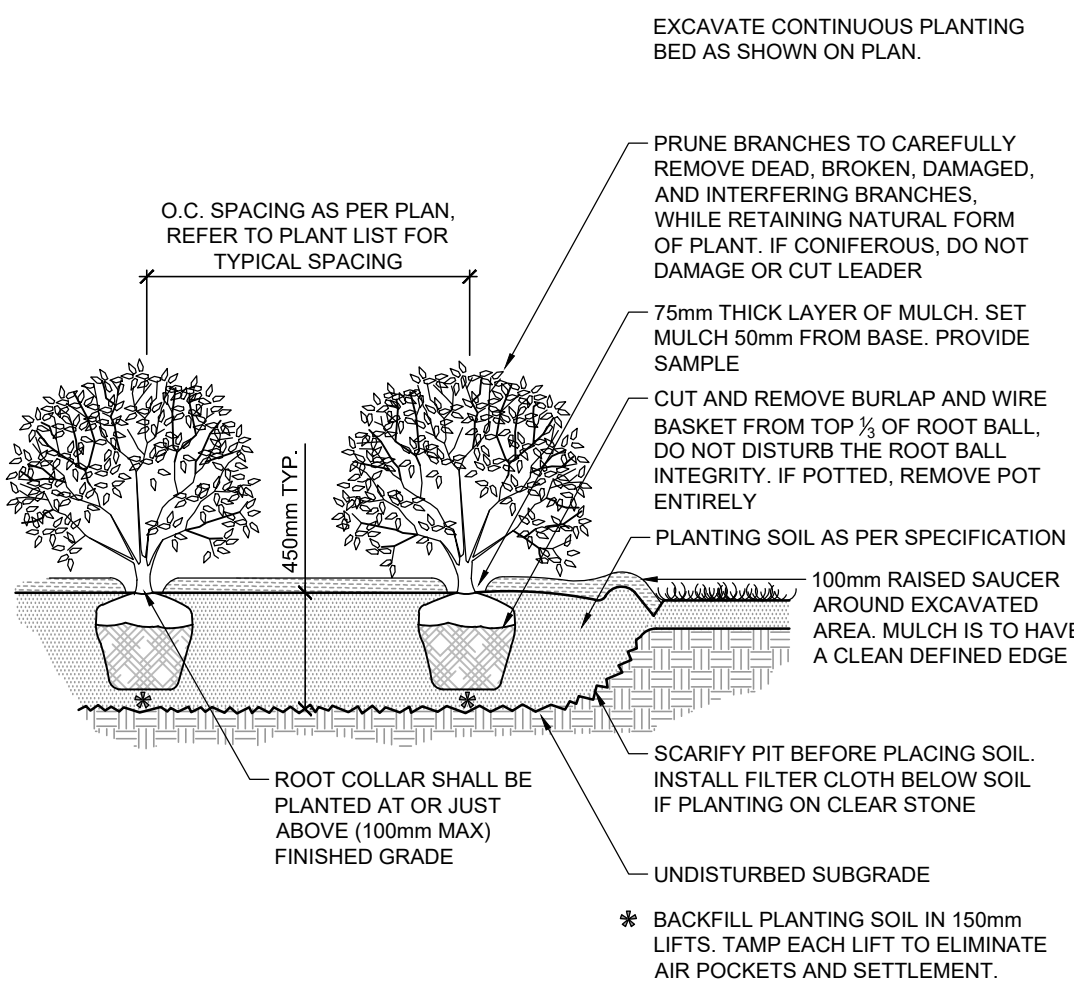
STANDARD DECIDUOUS TREE PLANTING

D1



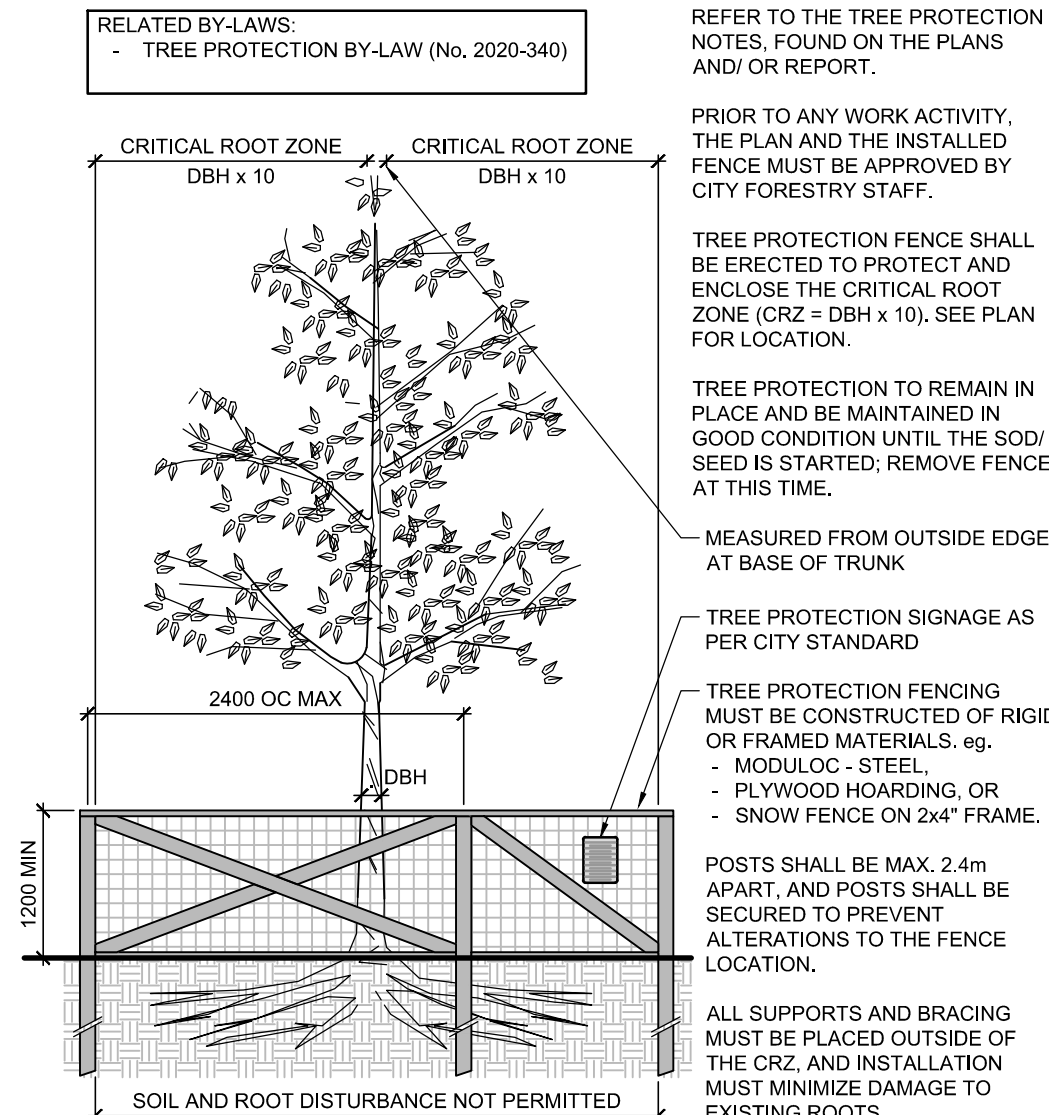
STANDARD CONIFEROUS TREE PLANTING

D2



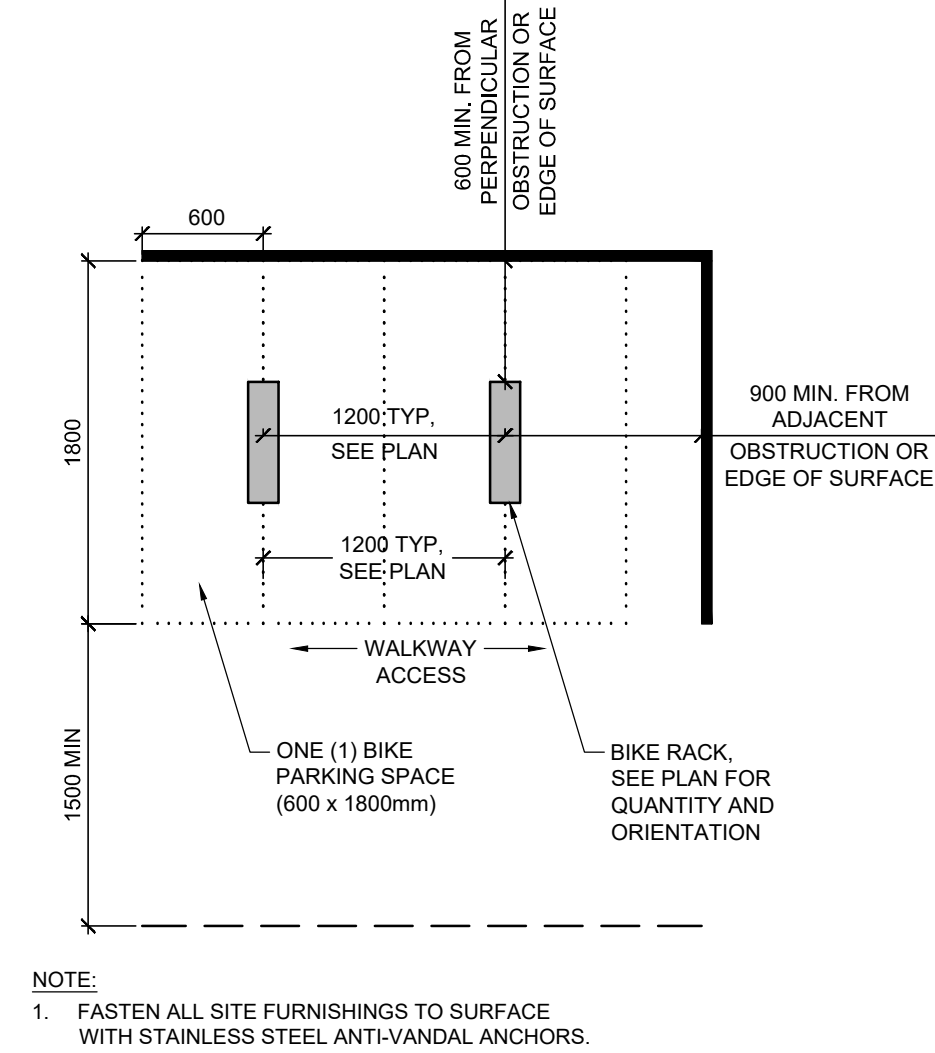
SHRUB AND PERENNIAL PLANTING

D3



TREE PROTECTION FENCE

D4



BIKE LAYOUT

D6

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1.	COORDINATION	JUL 29/25	RGJ

SCALE	DESIGN
	RGJ
	CHECKED RGJ
	DRAWN MEL
	CHECKED RGJ
	APPROVED RGJ

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