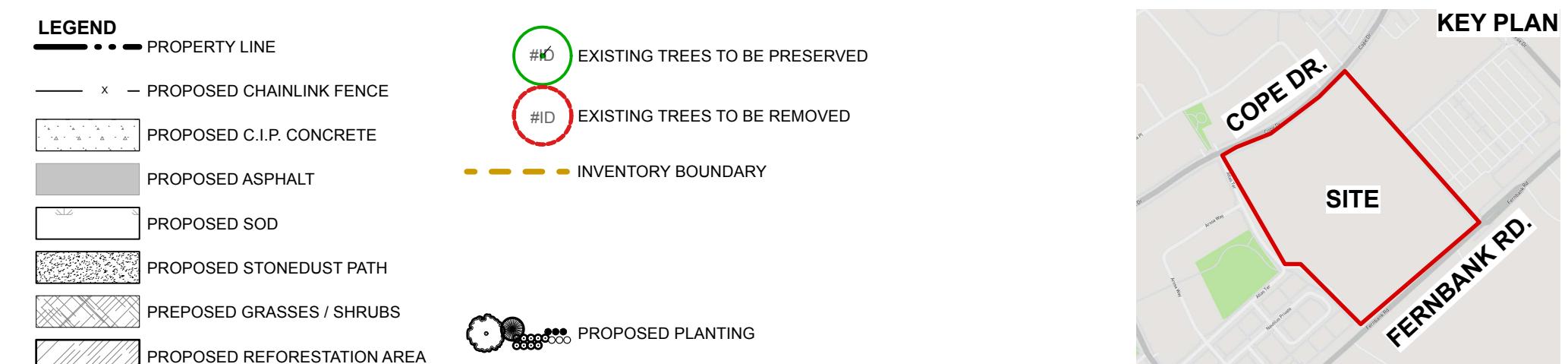


1 LANDSCAPE PLAN  
L - 01 Scale: 1:750

**NOTE:**  
**SITE SERVICING ELEMENTS SHOWN ON THIS SHEET ARE FOR REFERENCE ONLY.**  
**SEE CIVIL DRAWINGS FOR SITE SERVICING / GRADING.**

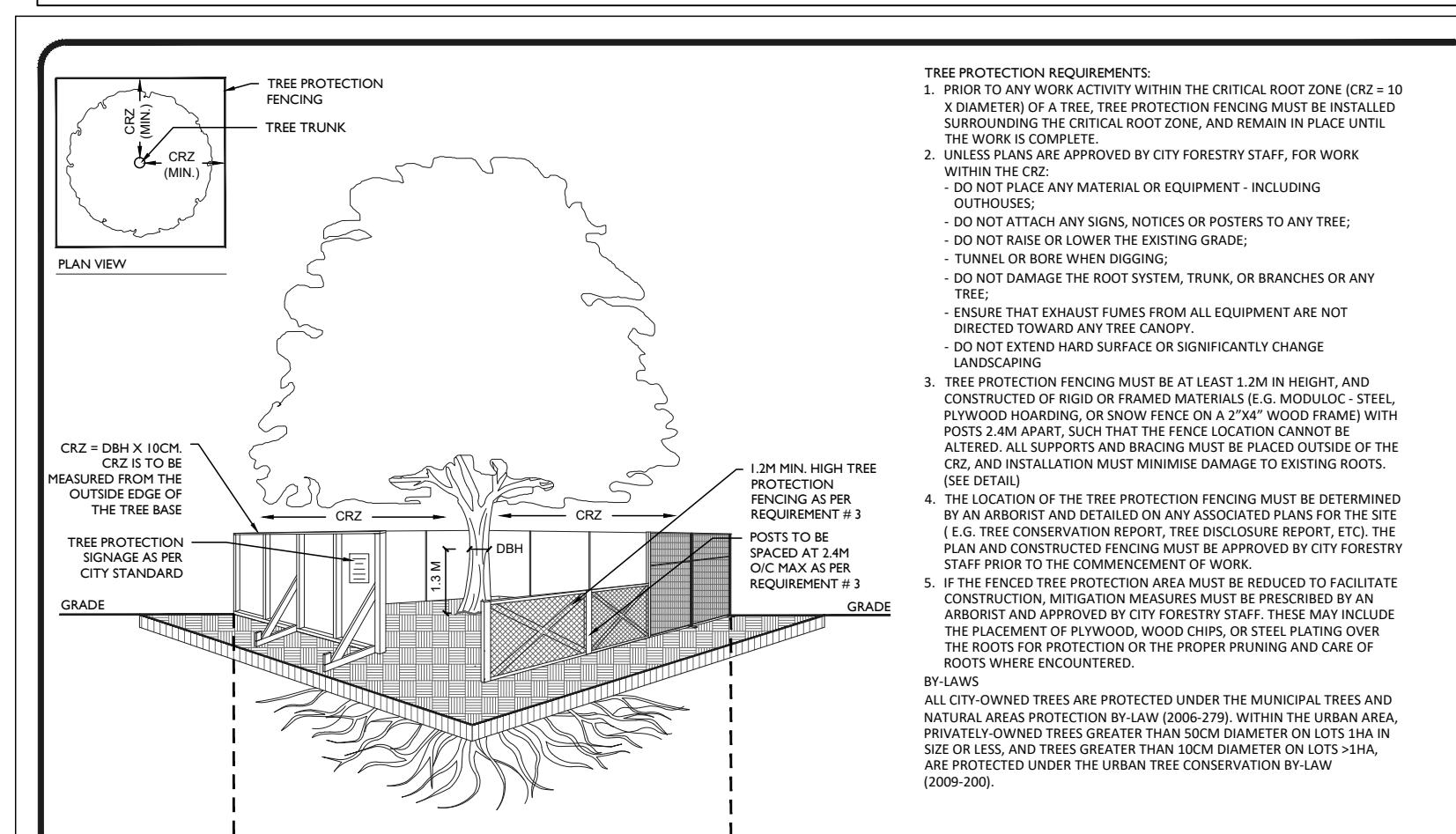
**THIS PLAN IS ISSUED FOR SITE PLAN CONTROL SUBMISSION ONLY.**  
**ADDITIONAL DETAILING AND SPECIFICATIONS ARE REQUIRED PRIOR TO TENDERING.**

**PLAN TO BE READ IN CONJUNCTION WITH 'TREE CONSERVATION REPORT FOR  
5431 FERNBANK ROAD, OTTAWA ON' SEPTEMBER 05, 2025  
BY Andrew K. Boyd, Certified Arborist #ON-0496A, IFS Associates.**



	Plant List					
	ID	Qty	Botanical Name	Common Name	Scheduled Si	Remarks
		50	<b>LARGE DECIDUOUS TREES</b>			
Ntv	<b>Ar</b>	6	<i>Acer rubrum</i>	Red Maple	50mm caliper	WB, Staked
Ntv	<b>As</b>	11	<i>Acer saccharum</i>	Sugar Maple	70mm caliper	WB, Staked
Ntv	<b>Co</b>	14	<i>Celtis occidentalis</i>	Common Hackberry	60mm caliper	WB, Staked
Ntv H	<b>GtS</b>	6	<i>Gleditsia triacanthos inermis 'Shademaster'</i>	Shademaster Thornless Honeylocust	90mm caliper	WB, Staked
Ntv	<b>Qa</b>	3	<i>Quercus alba</i>	White Oak	70mm caliper	WB, Staked
Ntv	<b>Qm</b>	4	<i>Quercus macrocarpa</i>	Burr Oak	70mm caliper	WB, Staked
Ntv	<b>Qr</b>	3	<i>Quercus rubra</i>	Northern Red Oak	70mm caliper	WB, Staked
Ntv	<b>Ta</b>	3	<i>Tilia americana</i>	Basswood	70mm cal.	WB, Staked
		8	<b>LARGE COLUMNAR DECIDUOUS TREES</b>			
Ntv	<b>TaB</b>	8	<i>Tilia americana 'Boulevard'</i>	Boulevard Linden	70mm caliper	WB, Staked
		68	<b>MEDIUM DECIDUOUS TREES</b>			
Ntv	<b>Ag</b>	16	<i>Aesculus glabra</i>	Ohio Buckeye	50mm caliper	WB, Staked
Ntv	<b>Cc</b>	6	<i>Carpinus caroliniana</i>	Bluebeech, Musclewood	50mm caliper	WB, Staked
Ntv	<b>Gd</b>	5	<i>Gymnocladus dioicus</i>	Kentucky Coffee Tree	50mm caliper	WB, Staked
Ntv	<b>GtD</b>	6	<i>Gleditsia triacanthos inermis 'Draves'</i>	Streetkeeper Honeylocust	70mm caliper	WB, Staked
Non N	<b>MD</b>	7	<i>Malus 'Dolgo'</i>	Malus Dolgo	60mm caliper	WB, Staked
Ntv	<b>Ov</b>	14	<i>Ostrya virginiana</i>	Ironwood	50mm caliper	WB, Staked
Ntv	<b>Sd</b>	9	<i>Sorbus Americana</i>	Mountain Ash	45mm caliper	WB, Staked
Non Ntv	<b>UF</b>	5	<i>Ulmus minor x parvifolia 'Frontier'</i>	Frontier Elm	70mm caliper	WB, Staked
		13	<b>SMALL DECIDUOUS TREES</b>			
Ntv	<b>CcgC</b>	12	<i>Crataegus crus-galli inermis 'Cruzam'</i>	Thornless Crusader Cockspur Hawthorn	45mm caliper	WB, Staked
Non N	<b>MSD</b>	1	<i>Malus x 'Snowdrift'</i>	Snowdrift Crabapple	40mm caliper	WB, Staked
		2	<b>ORNAMENTAL TREES</b>			
Ntv H	<b>AcB</b>	2	<i>Amelanchier canadensis 'Ballerina'</i>	Ballerina Serviceberry (tree form)	40mm caliper	WB, Staked
		78	<b>CONIFEROUS TREES</b>			
Ntv	<b>Ab</b>	8	<i>Abies balsamea</i>	Balsam Fir	200 cm ht	WB, Staked
Non N	<b>JcBP</b>	4	<i>Juniperus chinensis 'Blue Point'</i>	Blue Point Juniper	150 cm ht	Potted
Ntv	<b>Pg</b>	9	<i>Picea glauca</i>	White Spruce	200 cm ht	WB, Staked
Ntv	<b>Pr</b>	18	<i>Pinus resinosa</i>	Red Pine	200cm ht	WB, Staked
Ntv	<b>Ps</b>	11	<i>Pinus strobus</i>	Eastern White Pine	200 cm ht.	WB, Staked
Ntv H	<b>ToDS</b>	3	<i>Thuja occidentalis 'Degroot's Spire'</i>	Degroot's Spire Arborvitae	150 cm ht.	Potted
Ntv H	<b>ToH</b>	25	<i>Thuja occidentalis 'Holmstrup'</i>	Holmstrup Cedar	125cm ht	Potted
		40	<b>REFORESTATION PLANTING</b>			
	<b>As for</b>	5	<i>Acer saccharum</i>	Sugar Maple	150 cm ht.	Bare root
	<b>Asa for</b>	5	<i>Acer rubrum</i>	Red Maple	150 cm ht.	Bare root
	<b>Bp for</b>	5	<i>Betulus papyrifera</i>	White Birch	150 cm ht.	Bare root
Native to	<b>Ov for</b>	5	<i>Ostrya virginiana</i>	American Hophornbeam	150 cm ht.	Bare root
	<b>Pg for</b>	5	<i>Picea glauca</i>	White Spruce	75 cm ht.	Potted

TREES UNDER CITY OWNERSHIP = 4, UNDER PRIVATE OWNERSHIP = 139					
DI	264	Diervilla lonicera	Dwarf Bush-honeysuckle		2 gallon p
HalW	43	Hydrangea arborescens 'Invincibelle Wee White'	Wee White Annabelle Hydrangea	3 year	Potted
Hp	42	Hypericum prolificum	Shrubby St. John's Wort		2 gallon p
HpFI	63	Hydrangea paniculata 'Fire & Ice'	Fire & Ice panicle hydrangea	---	---
Rp	69	Rosa palustris	Swamp Rose	3 year	Potted
<b>Perennials</b>					
Pv	141	Panicum virgatum	Switch Grass		1 gallon p
PvHM	140	Panicum virgatum 'Heavy Metal'	Heavy Metal Switch Grass	---	---
CaKF	189	Calamagrostis x acutiflora 'Karl Foerster'	Feather Reed Grass	3 year	Potted
Hs	109	Helictotrichon sempervirens	Ornamental Oats	3 year	Potted
PvF	38	Perennial Mix F - Shade	Ornamental Grasses - Shade		2 gallon p
<b>REFORESTATION</b>					
<b>Reforestation Trees</b>					
As for	5	Acer saccharum	Sugar Maple	150 cm ht.	Bare root
Asa for	5	Acer rubrum	Red Maple	150 cm ht.	Bare root
Bp for	5	Betulus papyrifera	White Birch	150 cm ht.	Bare root
Ov for	5	Ostrya virginiana	American Hophornbeam	150 cm ht.	Bare root
Pg for	5	Picea glauca	White Spruce	75 cm ht.	Potted
Ps for	5	Pinus strobus	White Pine	50 cm ht.	Potted
Qm for	5	Quercus macrocarpa	Bur Oak	150 cm ht.	Bare root
Tc for	5	Tsuga canadensis	Canadian Hemlock	75 cm ht.	Potted



<p>SOIL AND ROOT DISTURBANCE NOT PERMITTED</p> <p>ACCESSIBLE FORMATS AND COMMUNICATION SUPPORTS ARE AVAILABLE, UPON REQUEST</p>	
	<p><b>TREE PROTECTION SPECIFICATION</b></p> <p>TO BE IMPLEMENTED FOR RETAINED TREES, BOTH ON SITE AND ON ADJACENT SITES, PRIOR TO ANY TREE REMOVAL OR SITE WORKS AND MAINTAINED FOR THE DURATION OF WORK ACTIVITIES ON SITE.</p>
	<p>SCALE: NTS</p>
	<p>DATE: MAY 2019</p>
<p>DRAWING NO.: 1 of 1</p>	



**GENERAL NOTES**

.1 All general site information and conditions compiled from existing plans, surveys and consultant's field notes. Report all discrepancies prior to any work. No responsibility is born by the Consultant for unknown subsurface conditions.

.2 The location of the utilities is approximate only, and the exact location should be determined by consulting the municipal authorities and utility companies concerned. The Contractor shall prove the location of utilities and shall be responsible for adequate protection from damage.

.3 All dimensions shown are to be verified on site prior to any construction. No deviations are to be made from the layouts as shown on this plan without prior consultation with the Landscape Architect and Owner.

.4 Obtain approval of Landscape Architect for granular base and layout of all pavement areas prior to construction.

.5 Stake planting locations and receive approval of Landscape Architect, prior to excavation of any planting pits. No substitutions of plant material shall be made without prior approval of the Landscape Architect.

.6 Where clay is encountered proper drainage must be ensured in tree/shrub pits, prior to planting. Have method approved by Landscape Architect.

.7 All sodded areas to receive a minimum of 150mm of topsoil over graded sub-base. If sod with mesh is used, mesh to be removed completely during sodding operations. Sod shall come from an approved source and shall be laid within 24 hours of being cut in the nursery. Only nursery sod shall be used.

.8 Final subgrade is to be approved by the Landscape Architect prior to sod being laid.

.9 Maintain positive surface runoff through the entire construction period.

.10 Reinstate all areas and items damaged as a result of construction activities.

C. CONSTRUCTION ACTIVITIES		
04		
03		
02	Issued for 66% Drawings	2025/10/2
01	Issued for SPC submission	2025/10/2
00	revision	data

N45 ARCHITECTURE INC.

71 Bank Street, 7th Floor - Ottawa, Ontario, K1P 5N4  
tel. 613 224 0095 fax 613 224 9811

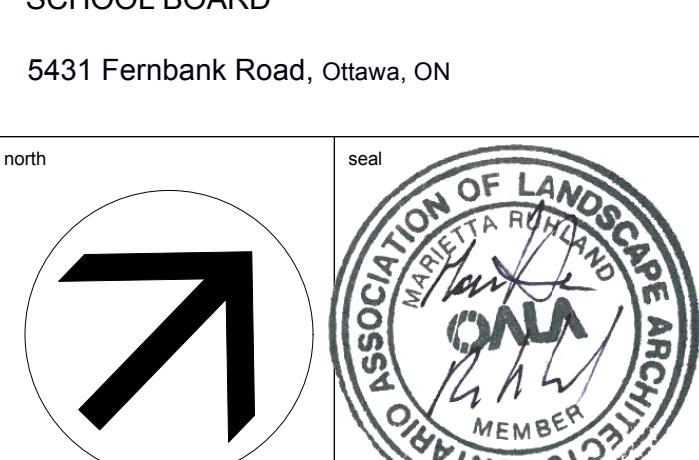
# Ruhland & Associates Ltd

landscape architecture • urban design • site planning

# **FERNBANK CATHOLIC HIGHSCHOOL**

## **OTTAWA-CARLETON DISTRICT**

### **SCHOOL BOARD**

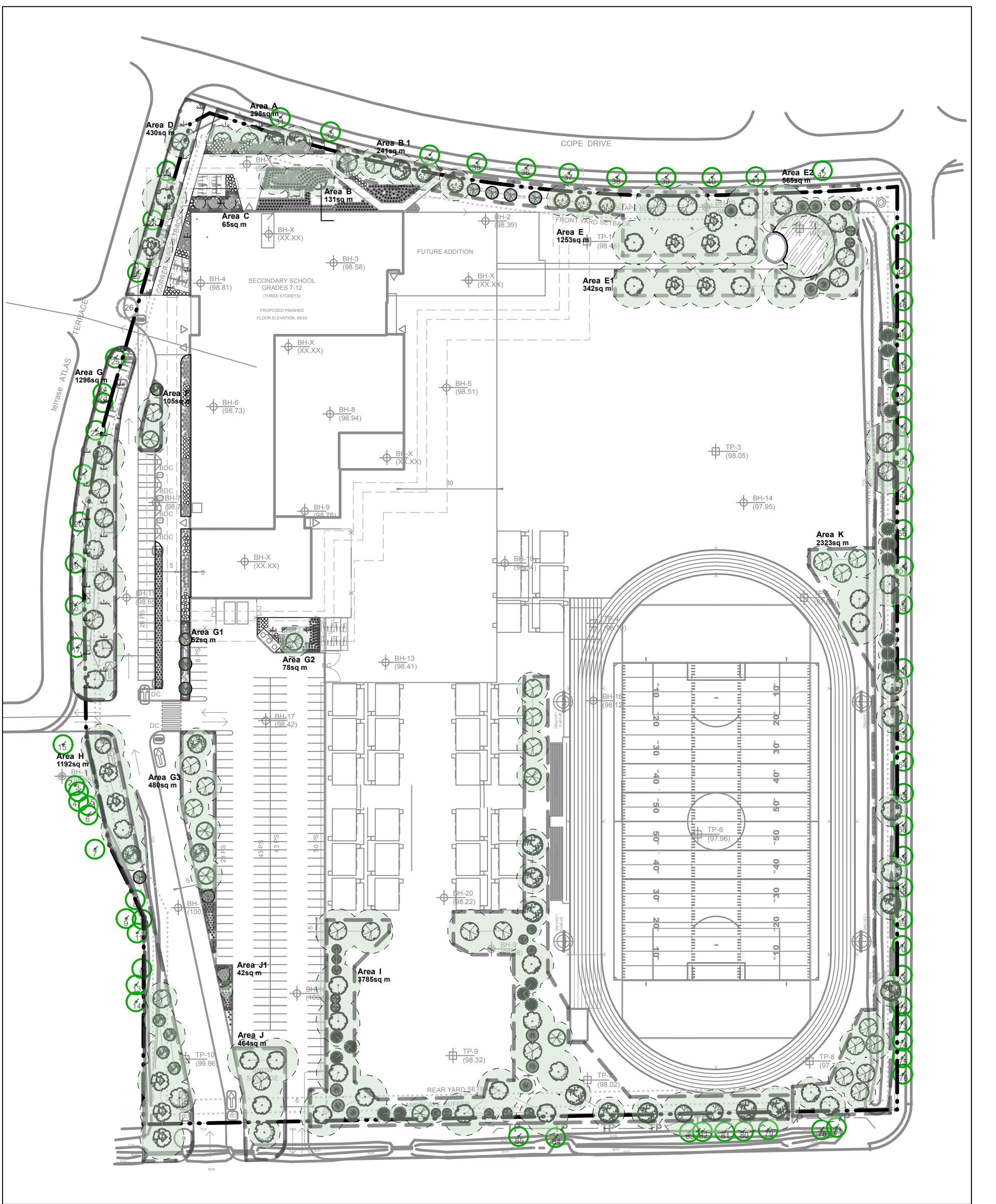


drawing title	
<b>LANDSCAPE / PLANTING PLAN</b>	
scale	drawn by  D.A.
date	checked by  M.R.
project number  N45  RA	drawing number  24-1743
<b>L - 01</b> CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES.	
revision	



OTTAWA - CARLETON  
DISTRICT SCHOOL BOARD

GENERAL NOTES	
1	All general site information and conditions compiled from existing plans, surveys and consultant's field notes. Report all discrepancies prior to any work. No responsibility is born by the Consultant for unknown subsurface conditions.
2	The location of the utilities is approximate only, and the exact location should be determined by consulting the municipal authorities and utility companies concerned. The Contractor shall prove the location of utilities and shall be responsible for adequate protection from damage.
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4	Obtain approval of Landscape Architect for granular base and layout of all pavement areas prior to construction.
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8	Final subgrade is to be approved by the Landscape Architect prior to sod being laid.
9	Maintain positive surface runoff through the entire construction period.
10	Reconstruct all areas and items damaged as a result of construction activities.



LEGEND

- EXISTING TREES TO BE PRESERVED
- PROPOSED PLANTING
- TP — TP TREE PROTECTION FENCE

TREE CANOPY COVERAGE	
TOTAL CANOPY AREA	13613 m <sup>2</sup>
TOTAL SITE AREA	73966 m <sup>2</sup>
PERCENT COVERAGE	18.40%

NOTES:

PLANTING MEDIUM REQUIREMENTS FOR TREE PLANTING

.1 WHERE SOIL VOLUMES ARE WITHIN EXCAVATED DEVELOPMENT AREA:

PROVIDE 100% PLANTING MEDIUM TO DEPTHS INDICATED IN SOIL VOLUME CHART. WHERE SUBSOIL BELOW THE INDICATED DEPTH OF PLANTING MEDIUM IS NOT CONDUCIVE TO PLANT GROWTH, REPLACE WITH APPROVED SUBSOIL TO A FURTHER DEPTH OF 300mm.

.2 WHERE SOIL VOLUMES INCLUDE SOIL VOLUMES IN R.O.W. AT PROPERTY LINE

R.O.W. AND WITHIN SUBJECT PROPERTY:

ASSUME ALL SOIL VOLUME REQUIREMENTS ARE MET WITHIN THE R.O.W. AREA. REINSTATE ANY DISTURBED AREAS IN R.O.W. OUTSIDE THE 2m RADIUS TREE PITS WITH 100-150mm TOPSOIL AND SOD.

PLACE PLANTING MEDIUM (TO DEPTH INDICATED ON SOIL VOLUME CHART) AT ALL DISTURBED AREAS WHERE EXISTING SOILS ARE REMOVED, OR WHERE EXISTING SOILS ARE NOT CONDUCIVE TO PLANT GROWTH.

ADDITIONAL PLANTING MEDIUM IS NOT REQUIRED WHERE EXISTING SOIL IS PRESENT IN OR ADJACENT TO THE R.O.W. THIS DOES NOT INCLUDE TOPSOIL REQUIRED FOR SODDING.

WHERE SUBSOIL BELOW THE INDICATED DEPTH OF PLANTING MEDIUM IS NOT CONDUCIVE TO PLANT GROWTH, REPLACE WITH APPROVED SUBSOIL TO A FURTHER DEPTH OF 300mm.

BASE CONTRACT TO ASSUME SUBSOIL IS CONDUCIVE TO PLANT GROWTH.

.3 WHERE SOIL VOLUMES INCLUDE SOIL VOLUMES ON ADJACENT PROPERTY AT PROPERTY LINE

ADJACENT PROPERTY AND WITHIN SUBJECT PROPERTY:

ASSUME ALL SOIL VOLUME REQUIREMENTS ARE MET WITHIN THE ADJACENT PROPERTY AREA. REINSTATE ANY DISTURBED AREAS ON ADJACENT PROPERTY OUTSIDE THE 2m RADIUS TREE PITS WITH 100-150mm TOPSOIL AND SOD.

PLACE PLANTING MEDIUM (TO DEPTH INDICATED ON SOIL VOLUME CHART) AT ALL DISTURBED AREAS WHERE EXISTING SOILS ARE REMOVED, OR WHERE EXISTING SOILS ARE NOT CONDUCIVE TO PLANT GROWTH.

ADDITIONAL PLANTING MEDIUM IS NOT REQUIRED WHERE EXISTING SOIL IS PRESENT IN OR ADJACENT TO THE ADJACENT PROPERTY. THIS DOES NOT INCLUDE TOPSOIL REQUIRED FOR SODDING.

WHERE SUBSOIL BELOW THE INDICATED DEPTH OF PLANTING MEDIUM IS NOT CONDUCIVE TO PLANT GROWTH, REPLACE WITH APPROVED SUBSOIL TO A FURTHER DEPTH OF 300mm.

BASE CONTRACT TO ASSUME SUBSOIL IS CONDUCIVE TO PLANT GROWTH.

.4 AREAS NEAR SOCCER FIELD AND OUTDOOR CLASSROOM

ASSUME ALL SOIL VOLUME REQUIREMENTS ARE MET, REINSTATE ANY DISTURBED AREAS ON ADJACENT PROPERTY OUTSIDE THE 2m RADIUS TREE PITS WITH 100-150mm TOPSOIL AND SOD.

ADDITIONAL PLANTING MEDIUM IS NOT REQUIRED WHERE EXISTING SOIL IS PRESENT IN OR ADJACENT TO THE ADJACENT PROPERTY. THIS DOES NOT INCLUDE TOPSOIL REQUIRED FOR SODDING.

WHERE SUBSOIL BELOW THE INDICATED DEPTH OF PLANTING MEDIUM IS NOT CONDUCIVE TO PLANT GROWTH, REPLACE WITH APPROVED SUBSOIL TO A FURTHER DEPTH OF 300mm.

BASE CONTRACT TO ASSUME SUBSOIL IS CONDUCIVE TO PLANT GROWTH.

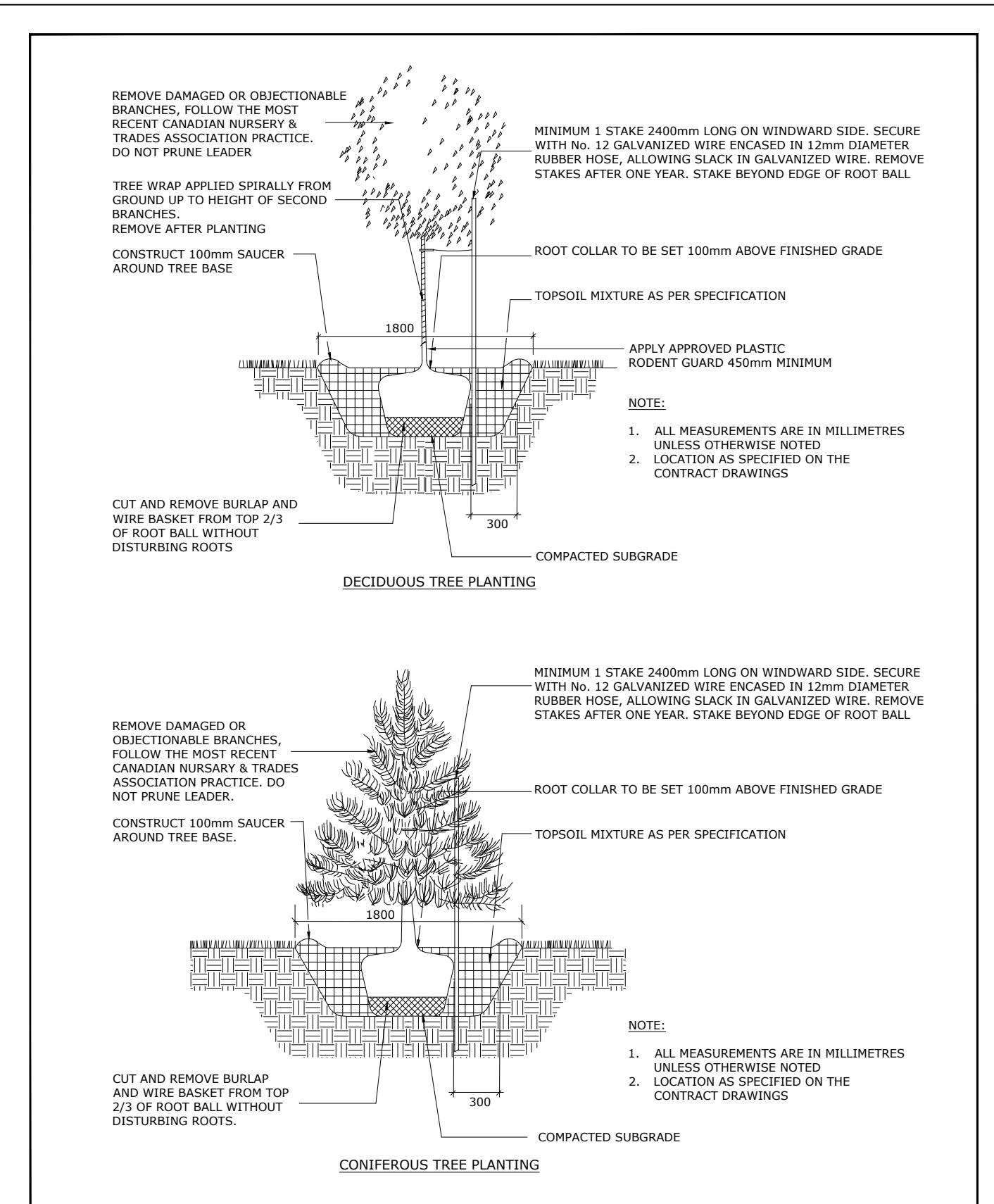
NOTES:

TREE SOIL VOLUME REQUIREMENTS:

STANDARD TREE SOIL VOLUMES QUANTITIES INCLUDE THE TOP 900-1000mm OF SOIL/EXISTING SUBSOIL LAYER TO CALCULATE TOTAL SOIL VOLUMES REQUIRED BY CITY OF OTTAWA FOR SUSTAINABLE TREE GROWTH. WHERE LARGER SOFT AREAS ARE AVAILABLE, THE TOP 400-500mm LAYER IS USED TO CALCULATE SOIL VOLUMES (AS PER CITY DETAIL L1).

WHERE EXISTING MATERIAL BELOW THE SPECIFIED IMPORTED TOPSOIL IS NOT CONDUCIVE TO TREE GROWTH, AN ADDITIONAL LAYER OF PLANTING MEDIUM IS TO BE INSTALLED BELOW SPECIFIED TOPSOIL DEPTH TO OBTAIN THE SOIL VOLUME DEPTH REQUIRED.

REFER TO SOIL VOLUME CHART AND PLANS ON L-02 FOR AREAS WHERE TREE SOIL VOLUMES ARE REQUIRED.



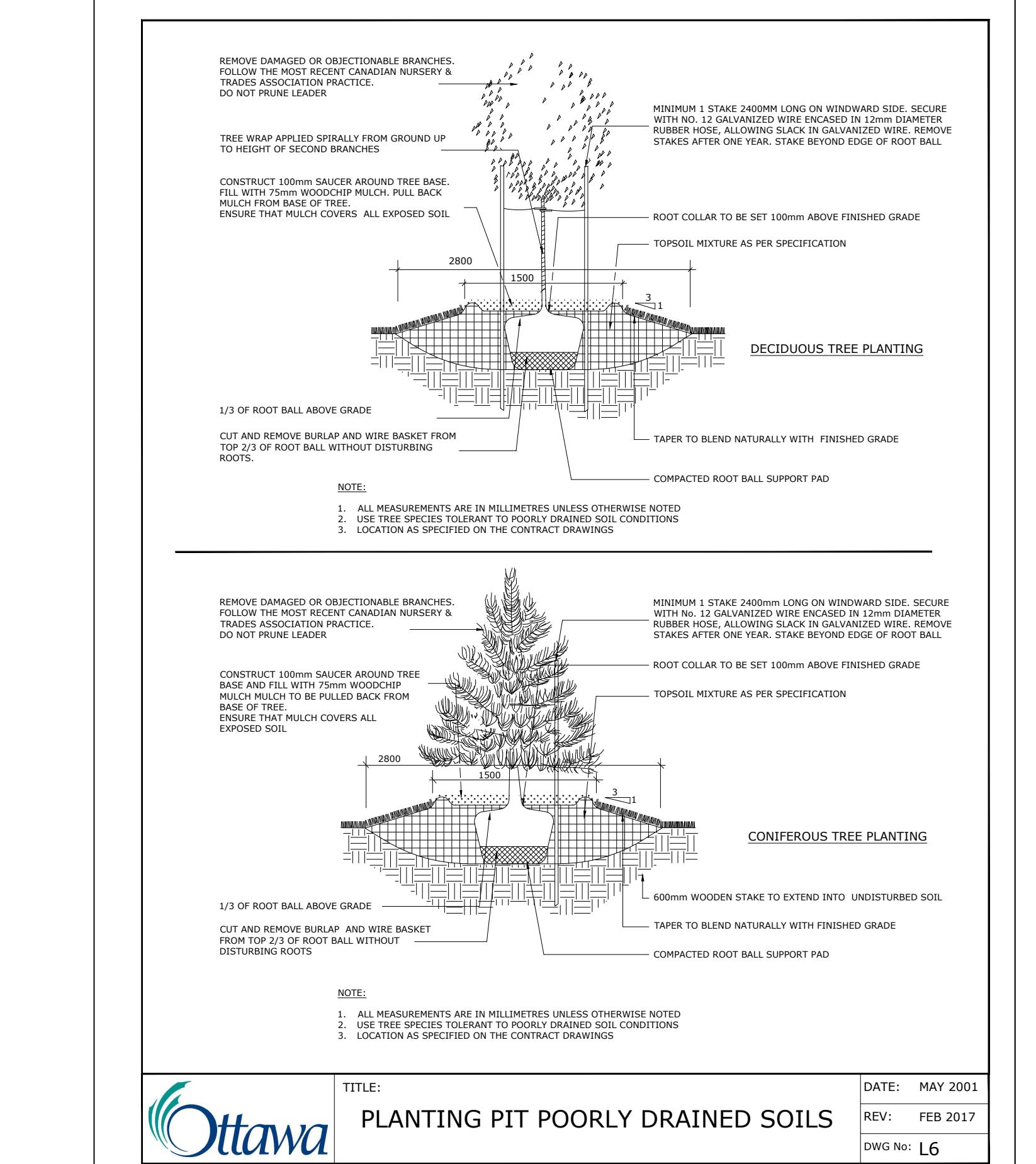
Ottawa TITLE: PLANTING TRENCH DATE: MAY 2001  
WELL DRAINED SOILS (LOTS) REV: JAN 2017 DWG No: L2

1 CANOPY COVERAGE & SOIL VOLUMES

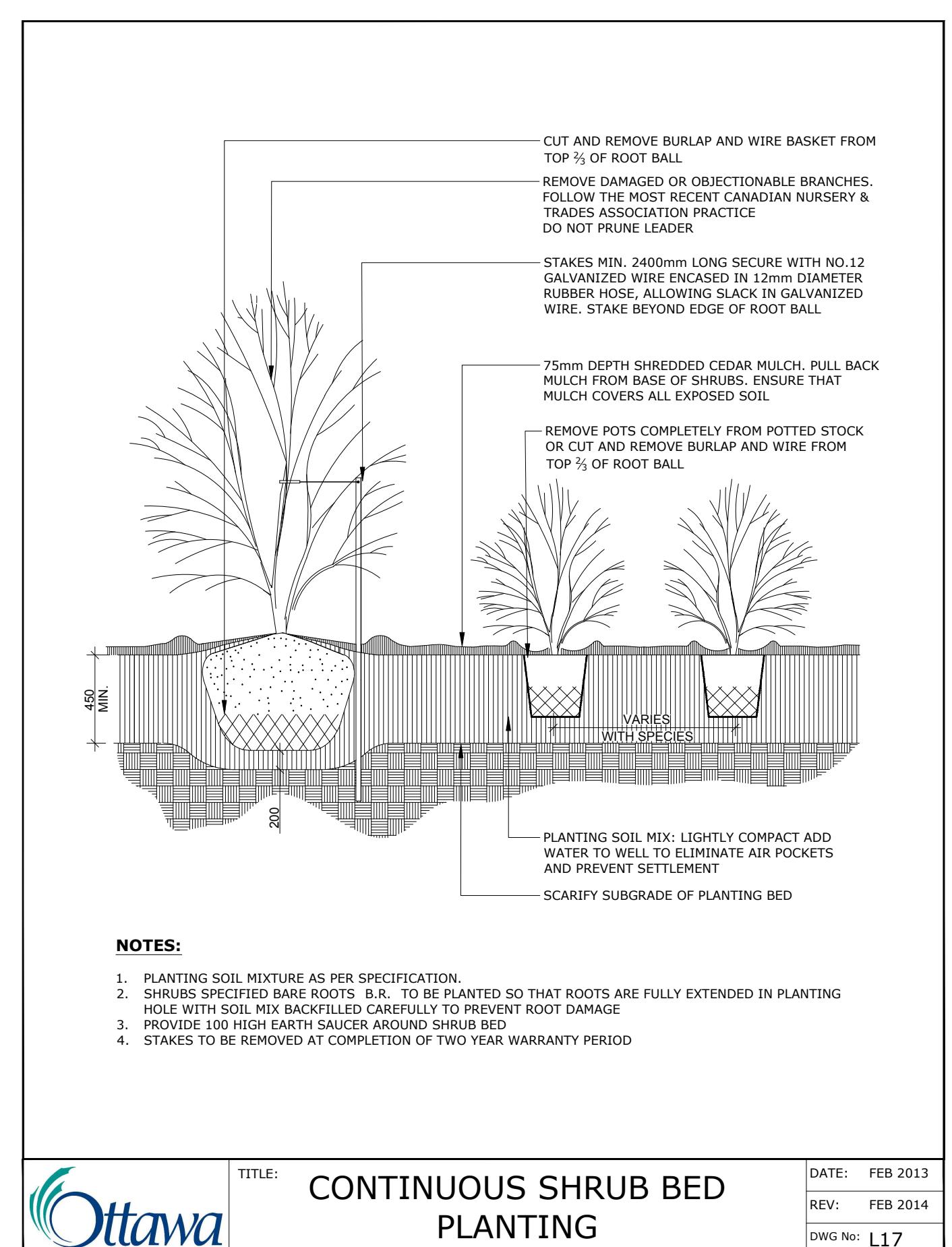
Scale: 1:1200

Soil Volume Area, Tree Quantity and Size	Tree Quantity	OTTAWA Target Soil Volume (m <sup>3</sup> )	Design Soil Volume	Soil Adequacy percentage	%Soil to be supplied by contractor
AREA A - 4 Medium Trees	4	120.0	119.2	99%	SEE NOTE 2
plant bed (298 sq m x 0.4 ave metre deep)					
AREA B - 3 Medium Trees	3	54.0	52.4	97%	1
plant bed (131 sq m x 0.4 ave metre deep)					
AREA B - 4 Medium Trees	4	100.0	96.4	96%	1
plant bed (241 sq m x 0.4 ave metre deep)					
AREA C - 3 Small Trees	3	45.0	45.5	101%	1
plant bed (65 sq m x 0.7 ave metre deep)					
AREA D - 2 Large, 1 Medium, 3 Existing Trees	6	122.0	172.0	141%	3
plant bed (430 sq m x 0.4 ave metre deep)					
AREA E - 8 Large Trees, 4 Medium Trees, 4 Small Trees, 1 Conifer	13	250.0	501.2	200%	4
plant bed (1253 sq m x 0.4 ave metre deep)					
AREA E - 4 Large Trees	3	75.0	136.8	182%	4
plant bed (342 sq m x 0.4 ave metre deep)					
AREA E - 5 Large Trees, 8 Conifers	15	319.0	339.0	106%	4
plant bed (565 sq m x 0.6 ave metre deep)					
AREA F - 2 Medium Trees, 1 Small Tree	3	51.0	52.5	103%	1
plant bed (105 sq m x 0.5 ave metre deep)					
AREA G - 8 Large, 9 Existing Trees	17	240.0	518.4	216%	3
plant bed (1296 sq m x 0.4 ave metre deep)					
AREA G - 3 Small Tree	3	45.0	41.3	92%	1
plant bed (51.6 sq m x 0.8 ave metre deep)					
AREA G - 1 Medium Trees	1	30.0	31.4	105%	1
plant bed (78.5 sq m x 0.4 ave metre deep)					
AREA G - 7 Medium Trees, 1 Small Tree	8	144.0	191.6	133%	1
plant bed (479 sq m x 0.4 ave metre deep)					
AREA H - 4 Large, 3 L. Columnar, 7 Medium, 1 Small Trees	15	438.0	476.8	109%	3
plant bed (1192 sq m x 0.4 ave metre deep)					
AREA I - 20 Large, 12 Medium Trees, 27 Con.	59	1062.0	1425.2	134%	4
plant bed (3563 sq m x 0.4 ave metre deep)					
AREA J - 4 Large, 1 Medium tree	5	138.0	185.6	134%	1
plant bed (464 sq m x 0.4 ave metre deep)					
AREA J - 2 Ornamental trees	2	18.0	16.4	91%	1
plant bed (41 sq m x 0.4 ave metre deep)					
AREA K - 3 L. Columnar, 2 Large, 17 Medium, 10 Con.	32	840.0	929.2	111%	4
plant bed (2323 sq m x 0.4 ave metre deep)					

\* Smaller columnar trees, small ornamental trees with growth to 8-15cm DBH, large shrubs, and columnar conifers calculated



Ottawa TITLE: PLANTING PIT POORLY DRAINED SOILS DATE: MAY 2001  
REV: FEB 2017 DWG No: L6

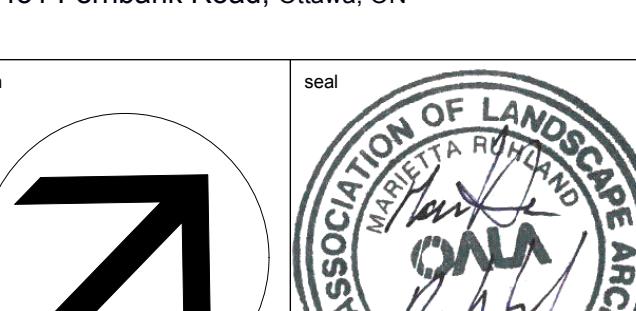


Ottawa TITLE: CONTINUOUS SHRUB BED PLANTING DATE: FEB 2013  
REV: FEB 2014 DWG No: L17

N45 ARCHITECTURE INC.  
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FERNBANK CATHOLIC HIGH SCHOOL  
OTTAWA-CARLETON DISTRICT SCHOOL BOARD  
5431 Fernbank Road, Ottawa, ON



CANOPY COVERAGE & SOIL VOLUMES

scale 1:400 drawn by D.A.  
date checked by M.R.

project number N45 drawing number  
RA 24-1743

CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES.

revision DO NOT SCALE DRAWINGS

# XXXXX

