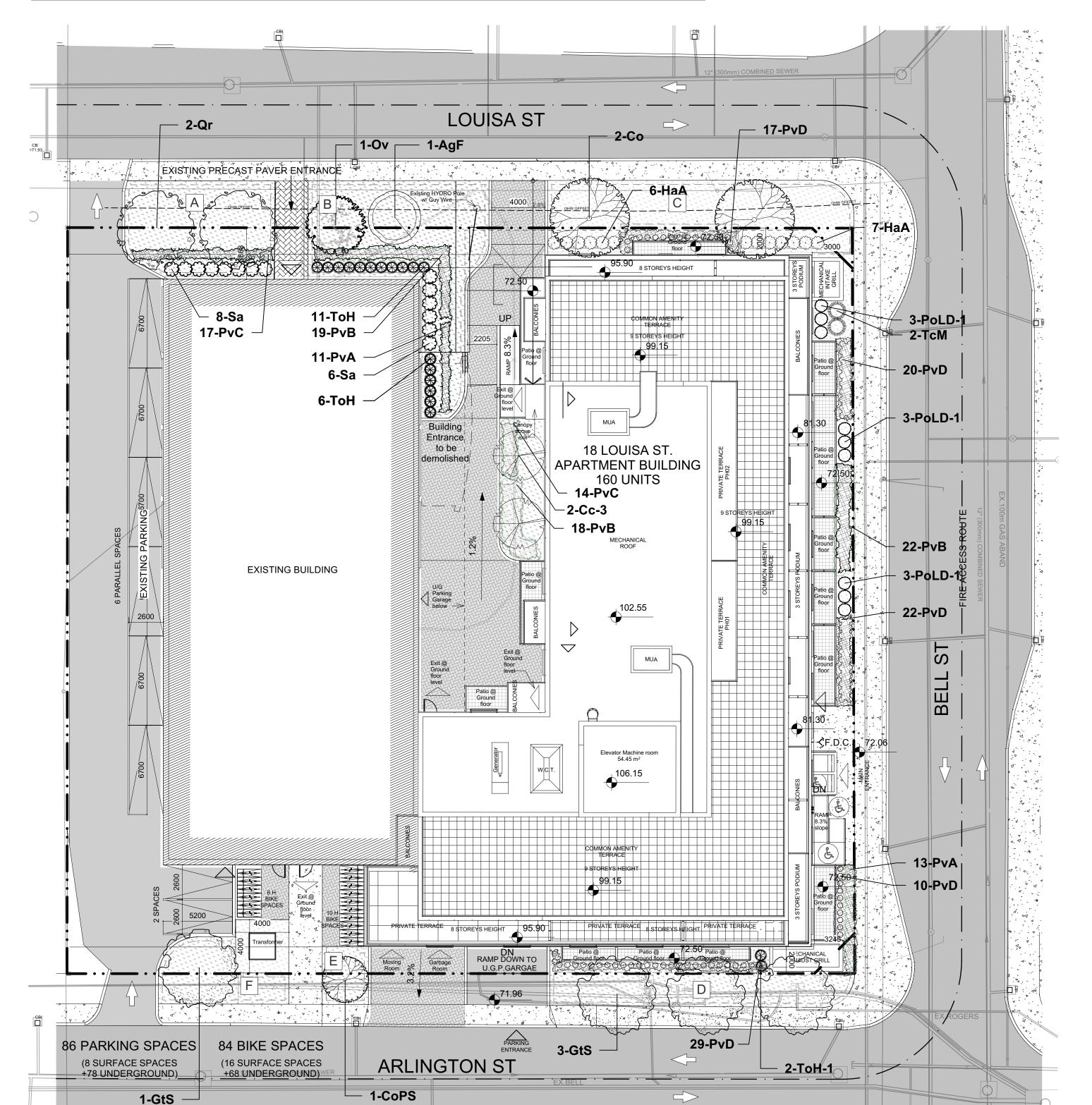
# **NOTES:**

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

SERVICING INFORMATION SHOWN AS REFERENCE ONLY. REFER TO CIVIL DRAWINGS.

DRAWING TO BE READ IN CONJUNCTION WITH TREE CONSERVATION REPORT. REFER TO TREE CONSERVATION REPORT PREPRARED BY **RUHLAND & ASSOCIATES LTD. DATED AUG 09, 2024 FOR TREE PROTECTION MEASURES AND DETAILS.** 

ALL TREES TO BE PLANTED A MINIMUM OF 1m FROM EDGE OF SIDEWALK





**ANDREW MCCREIGHT** MANAGER, DEVELOPMENT REVIEW CENTRAL **PLANNING, DEVELOPMENT & BUILDING SERVICES DEVELOPMENT DEPARTMENT, CITY OF OTTAWA** 

**APPROVED** 

By Andrew McCreight at 2:14 pm, Jun 23, 2025

### **LEGEND**

------- PROPERTY LINE ---- EXTENT OF PROPOSED UNDERGROUND PARKING SLAB PROPOSED COURTYARD PAVERS

> PROPOSED PRIVATE TERRACE PAVERS PROPOSED PAVER PATHWAY

PROPOSED BIKE RACK ON CONCRETE PAD

PROPOSED SHRUBS

- -----

PROPOSED TREES

PROPOSED PERENNIALS AND ORNAMENTAL GRASSES

ID	Qty	<b>Botanical Name</b>	Common Name	Scheduled Size	Remarks
		TREES			
AgF	1	Acer ginnala 'Flame'	Flame Amur Maple	45mm caliper	WB, Staked
Cc-3	2	Carpinus caroliniana	Bluebeech, Musclewood	50mm caliper	WB, Staked
Со	2	Celtis occidentalis	Common Hackberry	60mm caliper	WB Staked
CoPS	1	Celtis occidentalis 'Prairie Sentinel'	Prairie Sentinel Hackberry	60mm dia.	WB Staked
GtS	4	Gleditsia triacanthos 'Shademaster'	Shademaster Honey Locust	60mm caliper	WB Staked
Ov	1	Ostrya virginiana	Ironwood	50mm dia.	WB Staked
Qr	2	Quercus rubra	Northern Red Oak	60mm caliper	WB Staked
		SHRUBS			
HaA	13	Hydrangea arborescens 'Annabelle'	Annabelle Hydrangea	2 gallon pot	0.9m o.c.
PoLD-	9	Physocarpus opulifolius 'Little Devil'	Little Devil Ninebark	50cm ht.	Potted
Sa	14	Symphocarpus albus	Common Snowberry	50 cm ht.	Potted
ТсМ	2	Taxus cuspidata 'Monloo'	Emerald Spreader Japanese Yew	60cm spd	0.5m o.c.
ТоН	23	Thuja occidentalis ssp.	Dwarf Cedar ssp.	100 cm ht.	Potted
ToH-1	2	Thuja occidentalis ssp.	Dwarf Cedar ssp.	100 cm ht.	Potted
		PERENNIALS			
PvA	24	Perennial Mix A - Sun-Shade	Coral Bells, Sedge, Hostas	150mm pot	
PvB	59	Perennial Mix B - Sun-Shade	Ornamental Grasses-Shade	150mm pot	
PvC	31	Perennial Mix C - Shade	Ferns, Hostas, Daylilies, Solomon's Seal	150mm pot	
PvD	98	Sun Grasses Mix D	Sedges, Feather Reed Grasses	150mm pot	

18 Louisa Street				
Soil Volume Area, Tree Quantity and Size	Tree Quantity	OTTAWA TARGET SOIL VOLUME (m3)	Design Soil Volume	SOIL ADEQUACY percentage
AREA A - 2 Large shade trees				
Plant bed (80 sq m x 0.45 metre deep)	2	36.0	30.6	85.00%
AREA B- 2 Medium shade trees				
plant bed (39 sq m x 0.6 metre deep)	2	50.0	67.2	134.40%
AREA C - 2 Large shade trees				
Plant bed (81.5 sq m x 0.45 metre deep)	2	36.0	41.2	114.38%
AREA D - 3 Medium shade trees				
plant bed (21 sq m x 0.8 metre deep)	3	45.0	39.2	87.11%
AREA E - 1 Small Ornamental tree				
plant bed (13.6 sq m x 0.6 metre deep)	1	8.0	6.6	82.50%
AREA F - 1 Medium shade tree				
plant bed (6 sq m x 0.8 metre deep)	1	25.0	22.4	89.60%

\* Small ornamental trees with growth to 8-15cm DBH using 'How much soil to grow a big tree' by DeepRoot as a guide

#### **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
- .8 Final subgrade is to 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.
- .11 Street tree species locations and numbers were selected based on soil volume calculations in accordance with the City of Ottawa's requirements for tree planting.

## **PROJECT TEAM**

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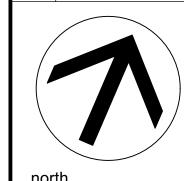
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	6		
	5		
	4	Reissued for site plan control	2024/08/13
	3	Reissued for site plan control	2024/07/30
	2	Reissued for site plan control	2021/11/12
	1	Issued for site plan control	2021/06/01
	no.	issue / revision	date





### **SOIL VOLUME REQUIREMENTS:**

AREAS WHERE SITE CONSTRAINTS (such as parking lot islands, adjacent hard surface areas):0.9 TO 1.2 METRE DEPTH IMPORTED TOPSOIL (average depth of 1000mm).

AREAS WITHIN OR ADJACENT TO LARGER SOFT LANDSCAPE AREAS (such as wide boulevards, lawns, etc):

0.4 METRE AVERAGE DEPTH OF IMPORTED TOPSOIL OVER APPROVED EXISTING SUBSOIL. ADDITIONAL IMPORTED TOPSOIL OR APPROVED SUBSOIL TO BE ADDED WHERE SUBGRADE BELOW THE 400mm IMPORTED TOPSOIL IS NOT CONDUSIVE TO PLANT GROWTH TO A MAXIMUM DEPTH OF 1 METRE.

**Ruhland & Associates Ltd** 

**18 LOUISA STREET** 

OTTAWA, ON

drawing title

LANDSCAPE PLAN

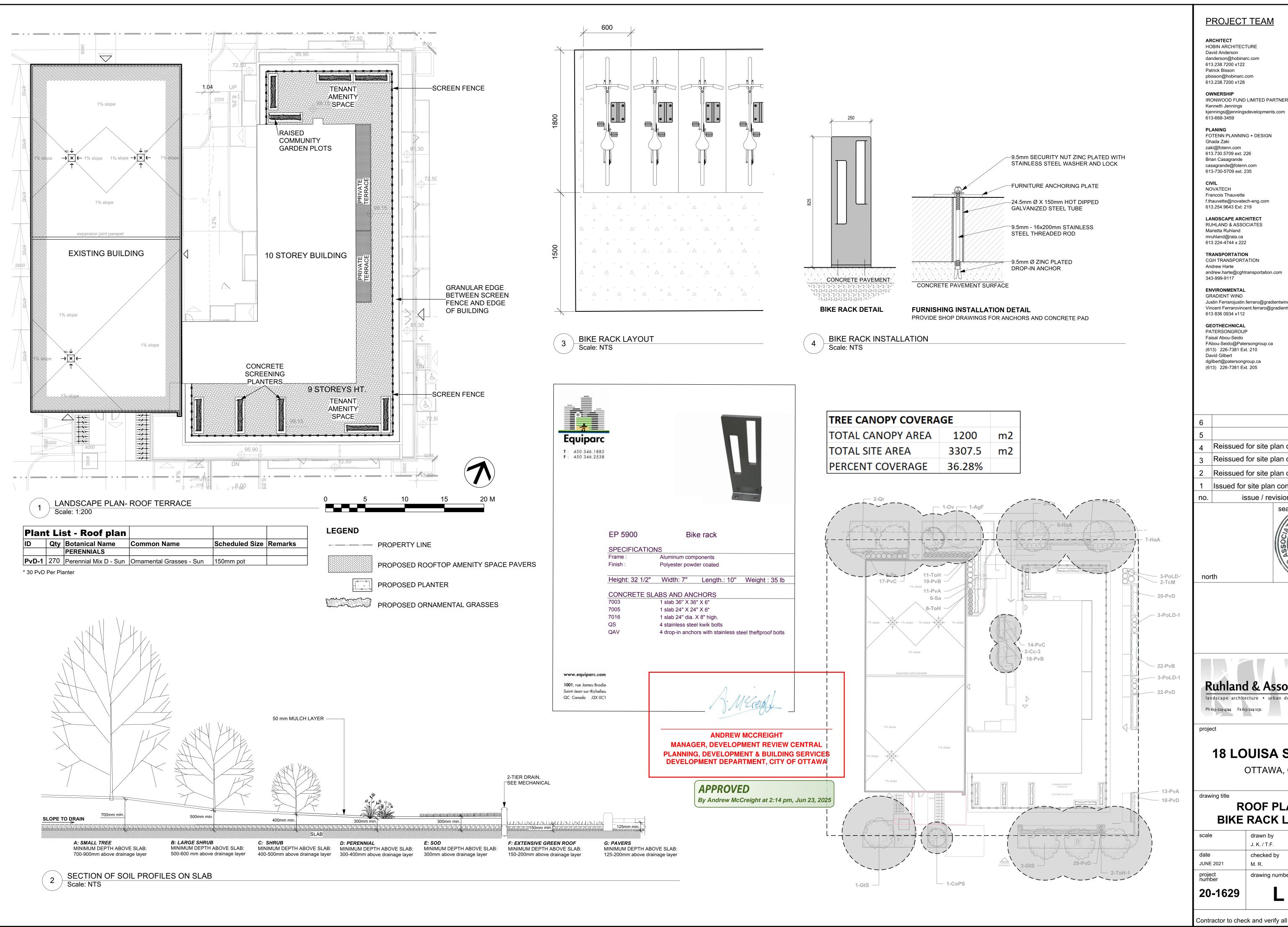
designed by J. K. / T.F. J.K. / M.R. checked by plot date JUNE 2021 2021 06 01 drawing number

20-1629

L - 01

LANDSCAPE PLAN AT GRADE Scale: 1:200

Contractor to check and verify all dimensions on the job



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**Ruhland & Associates Ltd** 

**18 LOUISA STREET** 

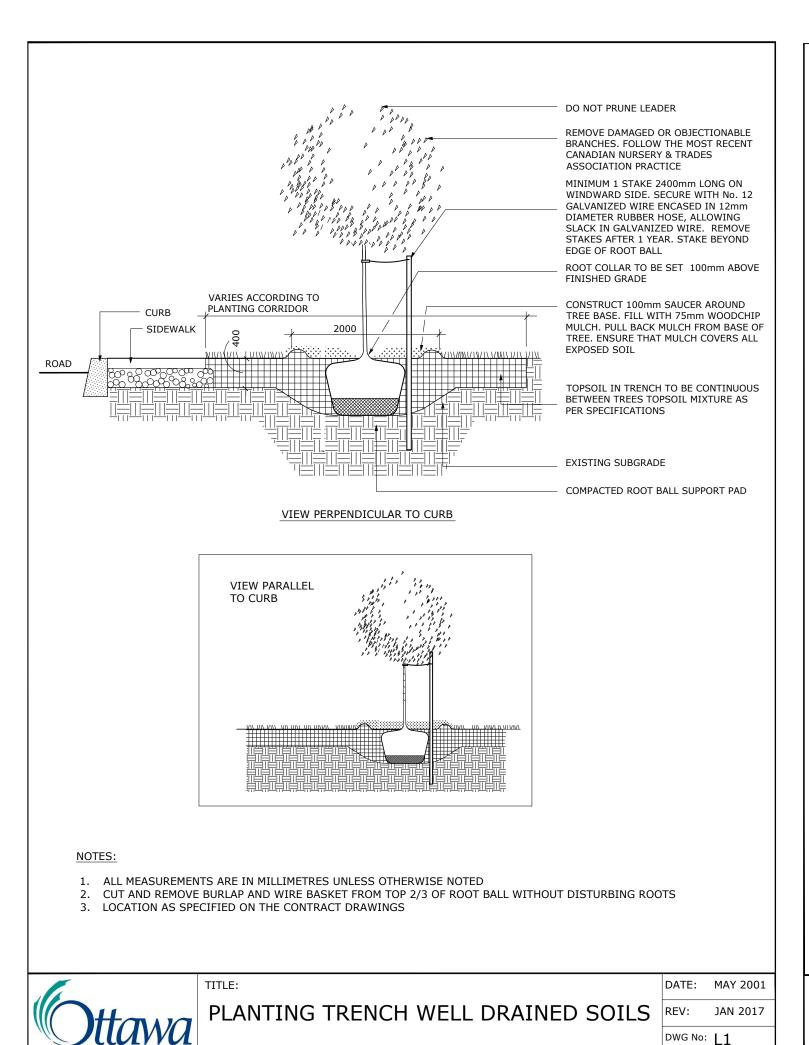
OTTAWA, ON

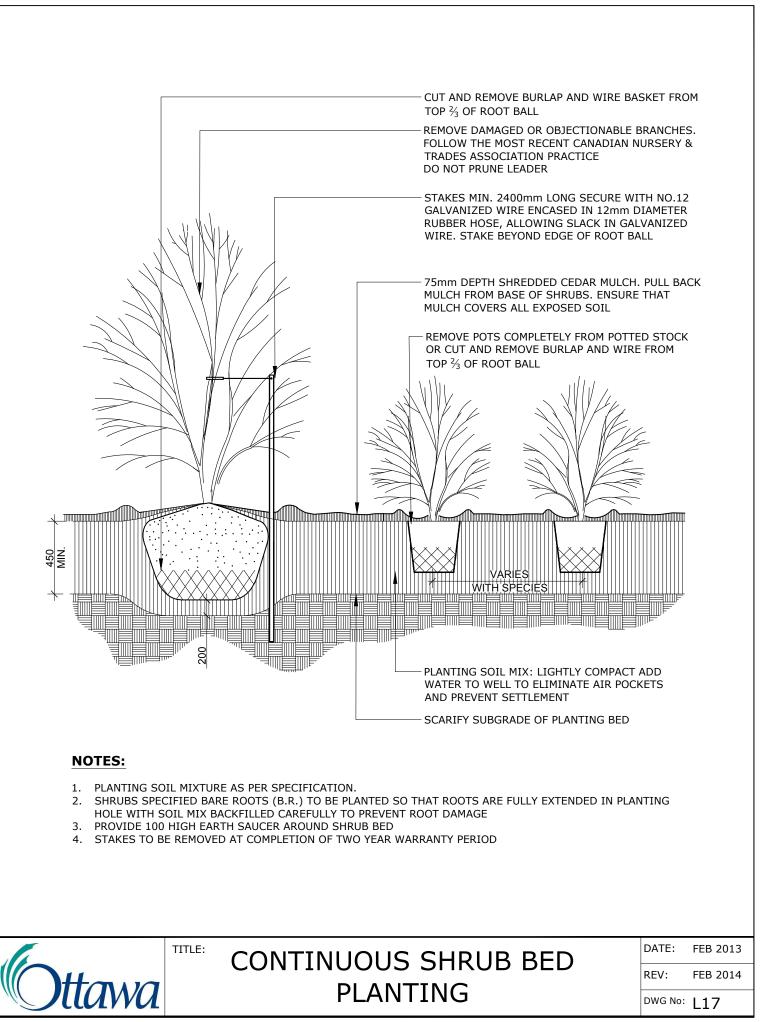
**ROOF PLAN / BIKE RACK LAYOUT** 

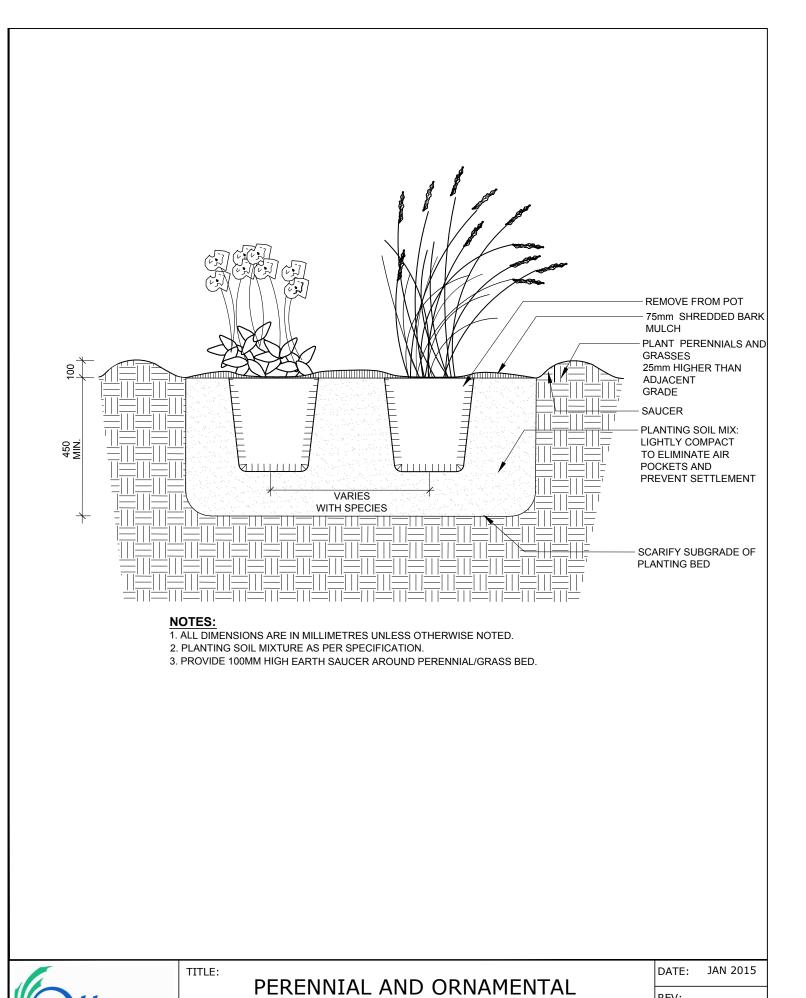
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Contractor to check and verify all dimensions on the job







GRASS PLANTING

**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 DETAL 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 FOR AREA WHERE TREE SOIL VOLUMES ARE REQUIRED.

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north

**Ruhland & Associates Ltd** 

**18 LOUISA STREET** 

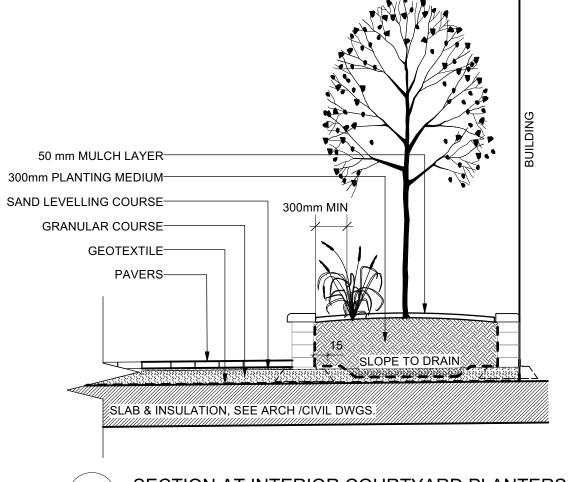
OTTAWA, ON

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**SECTIONS / DETAILS** 

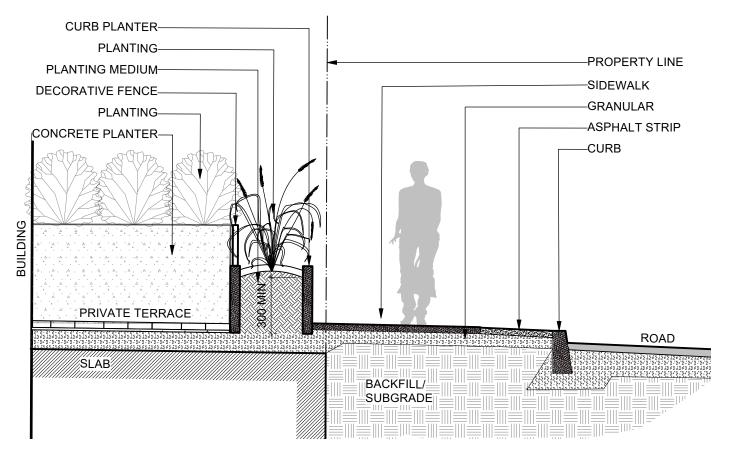
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Contractor to check and verify all dimensions on the job



SECTION AT INTERIOR COURTYARD PLANTERS Scale: NTS

Scale: NTS



SECTION EXTERIOR PATIO

DATE: MAY 2001 UNIT PAVING - ON GRANULAR BASE REV: FEB 2016 DWG No: SC9 ADDITIONAL NOTES FOR NUMBER 5: PRECAST PAVERS IN VEHICULAR AREAS TO RECEIVE

1. THE LEVELING COURSE (BEDDING SAND) SHALL BE PLACED LOOSE, IN A UNIFORM LAYER AT A MAXIMUM

2. INSTALL SOLID EDGE RESTRAINT BETWEEN UNIT PAVERS AND ANY SOFT SURFACE (SOD, PLANTING BED, ETC.)

3. UNIT PAVERS ARE THEN PLACED ON TOP OF THE LEVELING COURSE AND ADDITIONAL SAND SWEPT BETWEEN

4. THE UNIT PAVERS ARE THEN VIBRATED INTO PLACE WITH A VIBRA-PLATE AND WATER IS ADDED TO ASSIST IN

5. GRANULAR 'A' DEPTH TO BE 100mm FOR PEDESTRIAN AREAS AND 150mm FOR VEHICULAR ACCESSES. OR AS

DEPTH OF 25mm TO ACHIEVE THE FINAL COMPACTED THICKNESS AND GRADE AS SPECIFIED

UNIT PAVERS

COARSE SAND

(SEE NOTE 5)

THE UNIT PAVERS

THE SETTLING OF THE JOINT SAND

RECOMMENDED BY GEOTECHNICAL INVESTIGATION

6. USE OF THIS DETAIL REQUIRES THE PRIOR APPROVAL OF THE GENERAL MANAGER

25mm LEVELLING BED OF

GRANULAR 'A' (THICKNESS AS SPECIFIED) COMPACTED

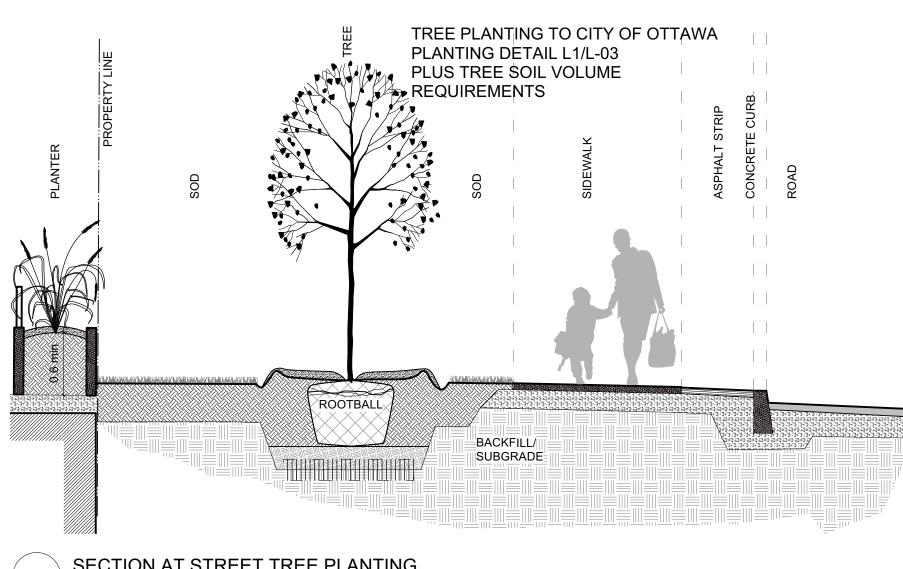
TO 95% PROCTOR DENSITY

BRUSH CLEAN POLYMERIC JOINT SAND INTO JOINTS

UNLESS MANUFACTURER DOES NOT RECOMMEND IT

UNDISTURBED OR THOROUGHLY COMPACTED SUBGRADE

SAME BASE STRUCTURES FOR GRANULAR 'A' AND 'B' AS GEOTECHNICAL RECOMMENDATIONS FOR HEAVY DUTY PAVEMENT. PEDESTRIAN AREAS ARE TO RECEIVE 200mm COMPACTED GRANULAR 'A' MINIMUM, ADJUSTMENTS TO BE SPECIFIED IN RELATION TO SITE CONDITIONS AND GEOTECHNICAL RECOMMENDATIONS.



DWG No: L21

SECTION AT STREET TREE PLANTING Scale: NTS

> **ANDREW MCCREIGHT** MANAGER, DEVELOPMENT REVIEW CENTRAL **PLANNING, DEVELOPMENT & BUILDING SERVICES DEVELOPMENT DEPARTMENT, CITY OF OTTAWA**

> > **APPROVED** By Andrew McCreight at 2:14 pm, Jun 23, 2025