

CANOPY PRUNING NOTES

- 1. Equipment and work practices that damage living tissue and bark beyond the scope of the work should be avoided. Ensure that trunk bark and branch collar are not damaged or torn during limb removal. Repair areas which are damaged, or remove damaged area back to next branch collar.
- 2. Climbing spurs shall not be used when climbing and pruning trees, except: When limbs are more than throwline distance apart, and there is no other means of climbing the tree; or if the bark is thick enough to prevent damage to the cambium.
- 3. Ensure that tools are clean and sharp throughout pruning operation: do not use tools that crush or tear bark. Disinfect tools before each tree is pruned. On diseased plant material disinfect tools before each cut. Use a disinfectant 20% solution of sodium hypochlorite or 70% solution of ethyl alcohol
- 4. Prune in accordance with ANSI A300, and as directed by Contract Administrator. Where discrepancies occur between standard and specifications, specifications govern. Notify immediately Contract Administrator conditions detrimental to health of plant material or operations.
- 5. Remove dead branches that are broken, hanging or hazardous.
- 6. Retain natural form and shape of plant species. Do not flush LEGEND cut branches. Do not crush or tear bark. Do not cut behind branch bark ridge. Do not damage branch collars. Do not damage branches to remain.
- 7. For branches under 50 mm in diameter: Locate branch bark ridge and make cuts smooth and flush with outer edge of branch collar to ensure retention of branch collar. Cut target area to bottom of branch collar at angle equal to that formed by line opposite to branch bark ridge. Make cuts on dead branches smooth and flush with swollen callus collar. Do not injure or remove callus collar. Do not cut lead branches unless directed by Contract Administrator.
- 8. For branches greater than 50 mm in diameter: Make first cut on lower side of branch 300 mm from trunk, one third diameter of branch. Make second cut on upper side of branch 500 mm from trunk until branch falls off. Make final cut adjacent to and outside branch collar.
- 9. Collect and dispose of pruned material daily, and remove from site. Divert inert wood materials from landfill to facility for composting.
- 10. On completion of the work, remove surplus materials, excess materials, rubbish, tools and equipment. Do not dispose of disinfectant or any other liquids on site.

FOR REVIEW ONLY

Telephone

Facsimile

Website



NOTES TO THE CONTRACTOR

- 1. Contractor to excavate by hand in side the Tree Protection Fence for existing asphalt driveway to be removed. Granular base to remain, unless some removal is required to achieve minimum depths for imported topsoil. No tree roots are to be removed or damaged. Refer to the Removals Plan.
- 2. Contractor to excavate by hand inside the Tree Protection Fence for existing concrete walkway to be removed. Granular base to remain, unless some removal is required to achieve minimum depths for imported topsoil. No tree roots are to be removed or damaged. Refer to the Removals Plan.
- 3. Contractor to excavate by hand in the CRZ and any roots encountered are to be pruned by hand. Refer to Tree Protection Notes on this sheet, note #12 in particular. Minor canopy pruning may be required. Refer to Tree Canopy Pruning Notes on this sheet. Work is to be executed by a certified Arborist per ISA Best Management Practices.
- 4. Contractor to remove, by hand, a small amount of topsoil at the edge of the sidewalk, so that the bucket of a hydraulic machine can grab the edge of the sidwalk without damaging tree roots. Pull sidewalk panels away from the tree with a hydraulic machine. Granular base to remain, see Removals Plan. No roots are to be removed or damaged. Contractor to advise landscape architect if roots appear to be at risk.

- 4. Do not place any material or equipment within 2m of the CRZ of any tree, including outhouses. 5. 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.
- 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.
- 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 Architect 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 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).



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PROPOSED AND RETAINED CANOPY COVERAGE AT MATURITY								
	AVERAGE	CANOPY COVERAGE PER	QUANTITY	TOTAL CANOPY				
SIZE OF PROPOSED TREE	MATURE SPREAD	TREE AT MATURITY (m2)	OF TREES	COVERAGE				
duous trees- Small	4.5m	16	5	80				
duous trees- Medium	10m	79	2	158				
AL PROPOSED CANOPY COVER	238							
AL RETAINED CANOPY COVERA	233							
AL SITE AREA (m2):				1,117				
PROPOSED CANOPY COVERAG	42%							
rea or a circle = $(r x r) x \pi$								

PRODUCT INFORMATION

Install products as per manufacturer specifications. Shop drawings required.

- PAVERS EDGE OF PAVERS TO RECEIVE EDGE RESTRAINT. • WESTMOUNT BY TECHO-BLOC LOCATION: WALKWAYS SIZE: 240 X 60X 80 mm PATTERN: 03 LINEAR
 - COLOUR: SHALE GREY HD² SMOOTH

PRECAST PLANTER WALL Refer to grading plan for wall heights.

WALL • Raffinato Smooth by Techo-Bloc

Pattern: TBD

Colour: TBD

WALL CAP

• Raffinato Smooth 60mm cap by Techo-bloc Size: TBD Colour: TBD

BOULDERS

• Sizes: 1.0-1.4m L x 0.8-1.0m W x 0.6-0.8m H

PICNIC BENCH

• 200 Series - 210 Accessible Cluster Seating by Maglin Product Number: MTB-0210-00042 Frame: Structural I-Beam

lpe Wood Table Top and

Attached Backless Benches (2) Cedar Color

Surface Mount, Wheelchair Accessible

BIKE RACKS • 2300 Series - Iconic Bike Rack by Maglin Capacity: 2 bikes / rack Size: 26.5" H X 20.5" L x 2" Depth

Fixture: Surface mounted Colour: Powder Coat - Silver Metallic

TREE GUARD

 CAG-106 Tree Guard by Canaan Site Furnishings Product Number: CAG-106 Frame: anti-corrosion-treated steel Size: 27" Dia, 59" Height Fixing: In ground

Colour: Powder Coat - Jet Black

SOIL AVAILABILITY CALCULATIONS:

Planting had no	Available Soil	Available Soil	No. of trees proposed		Existing	Total No.	Min. required Soil volume	D1. Standard Tree Protection Fence
Flanting Deu no.	Area (sq m)	Volume* (cu m)			trees	of trees	total (cu m)	Found on Shoot 1.2
			Small	Medium				Found on Sheet L2.
			(20m³)	(25m³)				D2. Standard Deciduous Tree Planting
Planting bed 1	8	8				NA	NA	D3. Shrub and Perennial Planting
Planting bed 2	50	50	2			2	24.00	D5. Riverstone Detail
Planting bed 3	40	40			1	1	30.00	
Planting bed 4	36	36	2			2	24.00	
Planting bed 5	6	6				NA	NA	
Planting bed 6	253	253	1	2	1	4	60.00	
*Note : For all pla	anting beds pro	posed, the availa	ble soil dep	th is conside	red to be 1m	•		

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<u>NORTH</u>		KEY PLAN	~	"Umar Ave				
LEGEND			G	ENERAL				
3-D1	DETAIL SHEET # EG. L <u>1</u> , L <u>2</u> , ETC.	NOVATECH OR CITY DETAIL NUMBER SEE LIST FOR CODE	1.	Read and interpret this drawing/ drawing set in conjunction with all the contract details and specifications, including related civil, utility, structural, architectural, mechanical,				
	PROPERTY LIMIT		2.	information. The Contractor is to determine the exact location, size,				
-0	TEMPORARY TREE	PROTECTION FENCE		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				
	WOOD PRIVACY FE	ENCE 1.8m HT	3.	drawings. It is essential to use the plans and details in conjunction with the specifications and notes.				
	SWALE		4. 5.	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				
	PROPOSED BUILDI	NG LINE	6.	specifications. Reinstate all areas and items damaged or disturbed, beyond				
	EXCAVATION LIMIT			but not limited to construction staging areas, haul roads, stockpile areas, etc. to the satisfaction of the Consultant.				
	PROPOSED PAVER	3S		Unless otherwise noted, Contractor is to reinstate all areas to pre-construction condition or better to the satisfaction of the Contract Administrator.				
	···· ··· PROPOSED CONCRETE PAD							
				Canadian Standards for Nursery Stock (latest edition) published by the Canadian Nursery Landscape Association.				
	RIVER STONE		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				
\bigotimes	PROPOSED DECIDUOUS TREE			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				
\bigcirc	EXISTING TREE TO SYMBOL SIZE REFI	REMAIN LECTS CRZ	3.	Plant material substitutions are not be permitted without the written approval from the Consultant, with 48 hours notice,				
\bigcirc	EXISTING TREE WI	ТН	4.	prior to shipping plant material. Plant locations are schematic / approximate only. Contractor is to stake out locations on site for approval by the				
\bigcirc	ESTIMATED CRZ IN	IPACT	5.	Landscape Architect prior to installation. The illustrated number of plants shown in the Planting Plan supersedes the estimated number in the Plant List				
S	PROPOSED PEREN	INIALS		Contractor to report any discrepancies to the Landscape Architect prior to installation. Contractor will assume full responsibility if the Landscape Architect is not notified.				
	PROPOSED CONIF	EROUS SHRUBS	6.	Ensure trees are thoroughly watered following planting. Monitor material and ensure adequate moisture until acceptance.				
ß	PROPOSED DECID	UOUS SHRUBS	7. 8.	In neavy 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. b. Sod/ Seed Areas - 100mm depth 				
KEY ##	QUANTITY		9.	Sod to be No. 1 Kentucky Bluegrass Sod grown from minimum mixture of 3 Kentucky Bluegrass cultivars. Quality				
-0	PROPOSED BIKE R	ACKS		and source are to comply with Canadian Standards for Nursery Stock, Section 17, (latest edition) published by the Canadian Nursery Landscape Nursery Landscape Association.				
\bigcirc	PROPOSED TREE	GUARDS	10.	Apply the following mineral fertilizer unless soil tests show other requirements:				
\bigcirc				 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% 				
			10	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.

CITY DETAILS

Related details from City of Ottawa Standard Tender Documents Volume No. 2 Standard Detail Drawings.

SC4. Typical Concrete Sidewalk in Boulevard SC5. Sidewalk Construction Joints

NOVATECH DETAILS

Found on Sheet TCR.



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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 Owner: 14072375 Canada Inc (Henry Investments) c/o Denis Michaud 1770 Cannan Road Cumberland, ON K4C 1J5 Phone: 613.816.8886

> Engineer: Novetech Engineers, Planners & Landscape Architects, 240 Michael Cowpland Drive, Ottawa, ON, K2M 1P6 Phone: 613.254.9643

Architect Project1 Studio Incorporated 300 - 260 St. Patrick Street, Ottawa, ON K1N 5K5 Phone: 613.884.3939

Surveyor: Farley, Smith & Denis Surveying Ltd. Unit 275, 30 Colonnade Rd, Ottawa, ON K2E 7J6 Phone: 613.727.8226 DISCLAIMER:

The elements on this plan illustrate the design in and general constructability of the propolandscape which will support the associa development. This is to demonstrate how the can cover, urban design, health, and climate cha objectives of the Official Plan will be met through planting and site design. This drawing is for review only and is not intended for construction. F detailed design and construction documentation is be provided with certified 'Issued for Construct drawings and specifications prior to construction.

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DGE RESTRAINT LED ADJACENT LANTED AREAS		
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D5



LOCATION CITY OF OTTAWA 73-83 Ste-Cecile St. DRAWING NAME

DETAILS

REV # 5 DRAWING NO. 122167-L2

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