

LOT C PROJECTED 40 YEAR TREE CANOPY					SOIL VOLUME CALCULATIONS	TREE	CITY OF OTTAWA	DESIGN SOIL			
KEY	BOTANICAL NAME	PROJECTED MATURE CANOPY DIAMETER (m)	40 YEAR PROJECTED CANOPY DIA. (m) (2/3 MATURE DIA.)	PROJECTED CANOPY AREA (m2)	TOTAL COVERAGE AREA (m2)	-Tree Quantity and Size -Soil Volume Area and Depth	QUANTITY	TARGET SOIL VOLUME (m ³)	VOLUME (m ³)		
						Area A - 148 Tree Saplings, 110 Shrubs					
AREA "D"					22.34	Plant Bed (360m ² x 1.00m depth)	148	1,770*	360		
Сс	1 x Sorbus decora	8	5.33	22.34		Area B - 273 Tree Saplings, 192 Shrubs					
AREA "A"					475.00	Plant Bed (300m ² x 1.00m depth)	273	3.270*	300		
Existing Tree 1	See TCR			45.00	_	Area C - 3 Large Trees, 1 Small Tree		-, · ·			
Existing Tree 2See TCR71.00			71.00		Diant Ded (149m ² x 1.00m domth)		445	140			
Pocket Forest Area 1 359.00			359.00		Plant Bed (148m² x 1.00m deptn)	4	115	148			
AREA "B"					565.00	Area D - 1 Large Tree					
Pocket Forest Ar	ea 2			565.00		Plant Bed (31m ² x 1.00m depth)	1	30	31		
AREA "C"					277.00	SOIL VOLUME NOTES:					
Group 1	4 Trees Total			277.00							
AREA "D"			22.34	TREES, AND 18m ³ FOR CONIFERS.							
Сс	1 x Sorbus decora	8	5.33	22.34							
*Projected Mature Canopy Diameter values sourced from: https://www.ville.guebec.gc.ca/publications/docs_ville/TOTAL SITE AREA			2,230.00 m2	-SOIL ADEQUACY PERCENTAGE CALCULATED BASED ON DESIGN SOIL VOLUME AS A PERCENTAGE OF THE OTTAWA TARGET SOIL VOLUME.			TAGE OF THE CI				
repertoire_ess_arb	oricoles.pdf	ТОТ	TOTAL CANOPY COVERGE								
		% OF \$	% OF SITE CANOPY COVERAGE								

	KEY PLAN	
- SITE AREA BOUNDARY APPROXIMATE TREE CANOPY AT 40-YEAR GROWTH		
APPROXIMATE TREE CANOPY IN SITE AREA AT 40-YEAR GROWTH	Surveyor	
EXISTING TREE (REFER TO TCR)	ANNIS, O'SULLIVAN, VOLLEBEKK LTD. 14 CONCOURSE GATE, SUITE 500	
SOIL VOLUME AREA AND IDENTIFIER	NEPEAN, ONTARIO, K2E 7S6 <u>TOPOGRAPHIC INFORMATION & BENCHMARK</u> SURVEY COMPLETED BY ANNIS, O'SULLIVAN, VOLLEBEKK LTD. ON MARCH 21, 2024. ELEVATIONS SHOWN ARE GEODETIC AND ARE REFERRED TO THE CGVD28 GEODETIC DATUM, DERIVED FROM CONTROL MONUMENT NO. 019680274 HAVING AN ELEVATION OF 66.322m.	
CALCULATION METHODOLOGY:	BOUNDARY INFORMATION WAS COMPILED FROM PLANS 4R-19213, 4R-35573 AND 4R-36051	
D-YEAR CANOPY PROJECTION, A METHODOLOGY WAS ADAPTED /IC HOSPITAL CANOPY COVER PLAN:	JOB BENCHMARK CUT CROSS ON SIDEWALK NEAR OVERPASS ELEVATION = 68.53m	
A OF THE TREE CANODY A DOLYLINE WAS DRAWN		
METER OF THE TREE CANOPY, A POLYLINE WAS DRAWN METER OF EACH TREE, OR GROUPINGS OF TREES G CANOPIES SO AS NOT TO COUNT THE OVERLAP.		
HESE POLYGONS WERE ADDED TOGETHER TO GIVE THE TOTAL SE AREA, WHICH WAS THEN USED TO CALCULATE THE TOTAL THE SITE THAT IS COVERED BY CANOPY.		
OIL VOLUME NOTES:		
ATED USING AN ESTIMATED 80% SURVIVAL RATE OF PLANTED n ³ TARGET SOIL VOLUME PER TREE. SURVIVAL RATE IS AN ESTIMATE COMMUNITIES CANADA MINI FOREST CURRICULUM GUIDE: nities-canada.thinkific.com/courses/take/mini-forest-training/pdfs/52179616- n		
PLANTING IS AN EXPERIMENTAL PLANTING TECHNIQUE THAT RELIES PETITION AMONGST PLANTED SPECIES. LOW SOIL ADEQUACY R POCKET FOREST AREAS ARE REFLECTANT ONLY OF TRADITIONAL NDIVIDUAL TREE PLANTINGS AND DO NOT INHERENTLY IMPLY IONS FOR THIS PLANTING STRATEGY.	Client The Ottawa L'Hôpital Hospital d'Ottawa	
ANOPY NOTES:	RIVERSIDE CAMPUS 1967 RIVERSIDE DRIVE.	
CANOPY AREA CALCULATIONS BASED ON PROJECTED CANOPY NOPY TREES WITHIN THE POCKET FOREST PLANTING AREAS, USING RE CANOPY DIAMETER VALUES SOURCED FROM:	OTTAWA, ONTARIO, K1H 7W9 PARSONS	
TREATED AS ONE SINGLE ENTITY FOR THE PURPOSES OF CANOPY E TO THE HIGH VOLUME OF SPECIES WITHIN THE PLANTING AREA. PRESENTING THE CANOPY PERIMETER IS BASED ON THE COSS THE POCKET FOREST AREA AND MEASURED FROM EDGES OF EAS.	studioRed Iandscape architecture	
CANOPY IS REPRESENTED BY A POLYGON OFFSET AT A RADIUS OF PLANTING AREA, WHICH IS EQUIVALENT TO 50% OF THE PROJECTED SPREAD OF <i>Quercus macrocarpa</i> , THE WIDEST-SPREADING SPECIES HE POCKET FORESTS. THIS REDUCED SPREAD IS INTENDED TO INCREASED COMPETITION WITHIN THE POCKET FORESTS, WHICH JPWARDS INSTEAD OF OUTWARDS GROWTH AMONGST SPECIES.		
TING AND PROPOSED TREES NOT WITHIN THE POCKET FOREST TRACTED FROM THE TOTAL POCKET FOREST CANOPY AREA		
PLANTING IS AN EXPERIMENTAL PLANTING TECHNIQUE THAT RELIES PETITION AMONGST PLANTED SPECIES. DUE TO THIS EXPERIMENTAL MAY DIFFER FROM PROJECTIONS.	7 ISSUED FOR REVIEW KC 2025/05/21 6 ISSUED FOR REVIEW KC 2025/04/03 4 ISSUED FOR REVIEW KC 2025/03/18 3 ISSUED FOR REVIEW KC 2025/01/23 2 ISSUED FOR REVIEW KC 2024/10/31	
SOIL ADEQUACY PERCENTAGE	No. Revision By Date (yy/mm/dd) Scale 5m 0 5 10m	
20.33%**	SCALE: 1:250 Project Title	
9.17%**	THE OTTAWA HOSPITAL RIVERSIDE CAMPUS 1967 RIVERSIDE DR., OTTAWA	
128%	PARKING LOT C	
103%	Drawing Title PARKING LOT C 40 YEAR CANOPY	
OR SMALL	PROJECTION + SOIL VOLUME	
	Designed by: KC Datum	
	Approved by:	いい
	Project No. Drawing No.	7-17-
	479008 L-2 #19228	