

PLANT LIST							
KEY	QTY (PRIVATE)	QTY (CITY)	BOTANICAL NAME	COMMON NAME	MATURE HT. (M)	SIZE	REMARKS
DECIDUOUS TREES - MEDIUM (8-14M HEIGHT)							
AR	11		ACER RUBRUM 'NORTHWOOD'	NORTHWOOD RED MAPLE	14	50mm	B&B NO
AG	3	2	AESCULUS GLABRA	OHIO BUCKEYE	12	50mm	B&B YES
CJ	6	1	CERCIDIPHYLLUM JAPONICUM	KATSURA TREE	14	50mm	B&B NO
CK	9		CLADASTRIS KENTUEKA	YELLOW-WOOD	10	50mm	B&B YES
GB	7	2	GINKGO BILOBA 'AUTUMN GOLD'	AUTUMN GOLD GINKGO	14	50mm	B&B NO
OV	7		OSTRYA VIRGINIANA	IRONWOOD	12	50mm	B&B YES
PA	4	3	PHELLDENDRON AMURENSE	AMUR CORKTREE	14	50mm	B&B NO
PC	5	3	PYRUS CALLERYANA 'CHANTICLEER'	CHANTICLEER ORNAMENTAL PEAR	13	50mm	B&B NO
SH	5	1	SORBUS DECORA	SHOWY MOUNTAIN-ASH	12	50mm	B&B YES
TC	5	1	TILIA CORDATA X MONGOLICA 'HARVEST GOLD'	HARVEST GOLD LINDEN	13	50mm	B&B NO
	62	13					
DECIDUOUS TREES -LARGE (<14M HEIGHT)							
AM	1	2	ACER RUBRUM	RED MAPLE	15	50mm	B&B YES
CO	1	1	CELTIS OCCIDENTALIS	COMMON HACKBERRY	18	50mm	B&B YES
GD	1	2	GYMNOCLADUS DIOICUS	KENTUCKY COFFEE TREE	16	50mm	B&B YES
QM	1	2	QUERCUS MACROCARPA	BUR OAK	20	50mm	B&B YES
	4	7					



GENERAL NOTES:

- THE LOCATION OF THE TREES SHOWN ON THIS PLAN IS APPROXIMATE AND SHALL NOT BE SCALED FROM THIS DRAWING. THIS PLAN MUST BE READ IN CONJUNCTION WITH THE APPROVED CUP AND CITY CROSS SECTIONS.
- CONTRACTOR SHALL ENSURE THAT ALL UTILITY LOCATIONS ARE OBTAINED PRIOR TO ANY EXCAVATION FOR LANDSCAPING.
- LOCATION OF ALL PLANT MATERIALS TO BE STAKED BY THE CONTRACTOR AND VERIFIED IN THE FIELD BY LANDSCAPE ARCHITECT & CITY OF OTTAWA PRIOR TO THE EXCAVATION OF PITS.
- ALL PLANT MATERIAL SHALL BE NURSERY GROWN STOCK UNLESS OTHERWISE NOTED.
- TREES TO HAVE A MINIMUM 1800 CLEAR STEM ABOVE GRADE.
- PLACE SOD ON A MINIMUM 150mm TOPSOIL.
- CONTRACTOR TO MAKE GOOD ALL EXISTING AREAS DAMAGED BY HIS WORK TO THE SATISFACTION OF THE CITY OF OTTAWA.
- THE CITY WILL BE NOTIFIED IF ANY TREES CANNOT BE LOCATED OR PLANTED DUE TO CONFLICTS WITH UTILITIES OR DRIVEWAYS. THE REQUIRED TREES NOT PLANTED ARE SUBJECT TO TREE BANKING. THE FINAL NUMBER OF TREES TO BE BANKED WILL BE PROVIDED TO THE CITY FOLLOWING ALL PLANTINGS.
- ALL PLANT MATERIAL SHALL BE WARRANTIED FOR TWO YEARS FROM THE DATE OF PERFORMANCE ACCEPTANCE AS DETERMINED BY THE CITY OF OTTAWA.
- PERIODIC REVIEWS OF PLANTING SHALL BE CARRIED OUT BY THE LANDSCAPE ARCHITECT.
- STREET TREE PLANTING GUIDELINE
NOTE: APPROVED CROSS SECTIONS SHALL TAKE PRECEDENCE
4.5m - STREET LIGHT (SMALL TREE <7m MATURE HT.)
2.5m - STREET LIGHT (MEDIUM/LARGE TREE >7m MATURE HT.)
3.0m - HYDRO TRANSFORMER
1.5m - PATH, DRIVEWAY, FENCE, SOUND WALL
2.5m - FIRE HYDRANTS
1.5m - WATER SERVICE / CURB STOP
1.0m - BELL / CABLE PEDESTALS

12.	TOTAL NUMBER OF TREES REQUIRED, THE COMMONS PHASE 1:	142
	NUMBER OF STREET TREES SHOWN ON PLAN, THE COMMONS PHASE 1:	105
	TOTAL NUMBER OF TREES REQUIRED, THE COMMONS PHASE 2&3:	132
	NUMBER OF STREET TREES SHOWN ON PLAN, THE COMMONS PHASE 2&3:	137
	DIFFERENCE:	-32

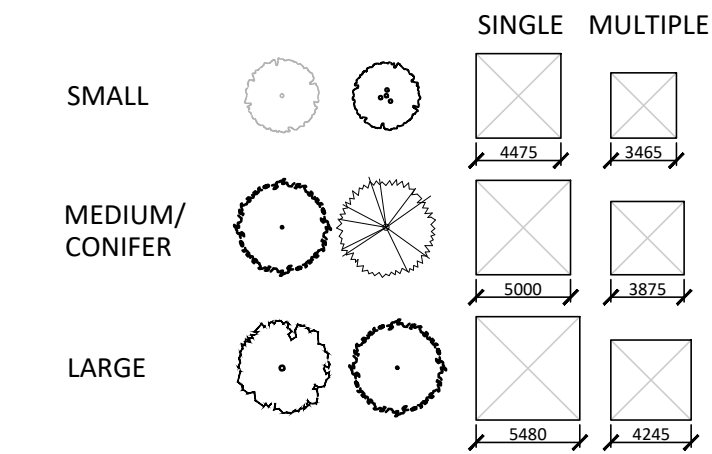
TREE PLANTING IN MARINE CLAY SOILS

THE LANDSCAPE CONSIDERATIONS CONTAINED WITHIN SEC. 6.8 OF PATERSON GROUP'S GEOTECHNICAL INVESTIGATION, DATED JULY 8, 2024.

- THIS LANDSCAPE PLAN CONFORMS WITH THE TREE-TO-FOUNDATION SETBACK, SOIL VOLUME, AND SURFACE-GRADING REQUIREMENTS OUTLINED IN THE CITY OF OTTAWA'S GUIDELINES FOR TREE PLANTING IN SENSITIVE MARINE CLAY SOILS (2017), BASED ON THE FINDINGS OUTLINED IN THE PROJECT GEOTECHNICAL REPORT BY PATERSON GROUP (REPORT PG4026-3-1 DATED JULY 8, 2024).
- ADDITIONAL REQUIREMENTS OUTLINED IN THE CITY OF OTTAWA'S GUIDELINES FOR TREE PLANTING IN SENSITIVE MARINE CLAY SOILS (2017), INCLUDING USF DEPTH, FOUNDATION WALL REINFORCEMENT, AND SUBDIVISION GRADING, SHOULD BE CONFIRMED BY THE PROJECT ENGINEER(S).
- THE CONTRACTOR SHOULD REPORT ANY DISCREPANCIES TO THE CONTRACT ADMINISTRATOR BEFORE PLANTING TREES.

PROPOSED TREE CANOPY PROJECTIONS			
TREE TYPE/SIZE	CROWN AREA PER TREE STANDARD RANGE (m²)	CROWN AREA PER TREE USED FOR CALC. (m²)	SITE CANOPY COVER
LARGE (11)	135-250*	192	CANOPY (W. OVERLAP):4792m²
MEDIUM (79)	35-135*	85	
*RANGE OF CROWN AREAS IS IN ACCORDANCE WITH PROPOSED TREES SPECIES			SITE: 19,975m²
**CROWN AREAS ARE ACCORDING TO THE AVERAGE MATURE CANOPY SIZE OF THE RESPECTIVE SPECIES. CANOPY SIZING HAS BEEN DETERMINED IN REFERENCE TO VARIOUS ARBORICULTURAL AND BOTANICAL SOURCES, SUCH AS: ONTARIO MINISTRY OF NATURAL RESOURCES & FORESTRY (OMNR); US FOREST SERVICE; FARRAR, J.L. TREES IN CANADA, UNIVERSITY OF GUELPH ARBORETUM, VARIOUS PUBLICATIONS.			TOTAL PERCENT COVER: 24%

TREE SOIL VOLUMES		
TREE TYPE/SIZE	SINGLE TREE SOIL VOLUME	MULTIPLE TREE SOIL VOLUME (m3/TREE)
ORNAMENTAL	15	9
COLUMNAR	15	9
SMALL	20	12
MEDIUM	25	15
LARGE	30	18
CONIFER	25	15



*SOIL VOLUME CALCULATION BASED ON 1.0m DEPTH

Contractor shall check all dimensions on the work and report any discrepancy to the Landscape Architect before proceeding. All drawings and specifications are the property of the Landscape Architect and must be returned at the completion of the work. This drawing is not to be used for construction until signed by the Landscape Architect.

Key Plan

PROJECT CONSULTANTS

SITE PLAN DESIGN: KORSIAK URBAN PLANNING	TRANSPORTATION: NOVATECH
PLANNING: NOVATECH	MECHANICAL & ELECTRICAL: LRL
ARCHITECTURE: GLENVIEW	GEOTECHNICAL & STRUCTURAL: PATERSON GROUP
CIVIL ENGINEERING: NOVATECH	

LEGEND

-----	PROPERTY LINE
=====	PHASE LINE
-----	4.5m FOUNDATION SETBACK

FENCING

-----	PRIVACY FENCE
-----	POST AND RAIL FENCE

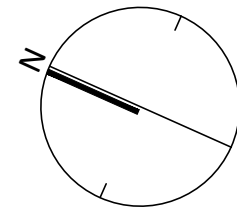
PLANTING

xx	DECIDUOUS TREE ON PRIVATE PROPERTY
	DECIDUOUS TREE ON PUBLIC PROPERTY
	PROJECTED TREE CANOPY
	APPROVED STREET TREES
	SODDING

SURFACING

	ASPHALT PAVING
	DRIVEWAY (BY OTHERS)

-		
-		
-		
-		
3	Re-issued for SPA	Feb.13/25
2	Issued for SPA	Oct.25/24
1	Issued for Coordination	Sep.11/24
No.	Description	Date
Revision		



NAK
design strategies

1285 WELLINGTON STREET, OTTAWA, ON K1Y 3A8 CANADA
T 613.237.2345
Project

THE COMMONS
SITE PLAN
Ottawa, ON

Title

LANDSCAPE PLAN

Date	Oct. 2024	Sheet
Scale	1:500	
Drawn	PG	L01
Checked	PG	
Job No.	24-219	

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