

#### PROPOSED TREE CANOPY PROJECTIONS

| TREE TYPE/SIZE      | CROWN AREA PER TREE STANDARD RANGE (m <sup>2</sup> ) | CROWN AREA PER TREE USED FOR CALC. (m <sup>2</sup> ) | SITE CANOPY COVER                             |
|---------------------|--|--|---|
| MEDIUM/LARGE (1271) | 35-250*  | ±138   | **CANOPY (W. OVERLAP): 164.152 m <sup>2</sup> |

\*\*CANOPY AREAS IS IN ACCORDANCE WITH PROPOSED TREES SPECIES

\*CROWN AREAS ARE ACCORDING TO THE AVERAGE MAXIMUM CANOPY SIZE OF THE RESPECTIVE SPECIES. CANOPY SIZING HAS BEEN DETERMINED IN REFERENCE TO VARIOUS ARBORICULTURAL AND BOTANICAL SOURCES, SUCH AS THE CANADIAN FOREST RESOURCE FORESTRY (OMNR), US FOREST SERVICE, FARRAR, J.L. TREES IN CANADA, UNIVERSITY OF GUELPH ABORETUM, VARIOUS PUBLICATIONS

\*\*NOTES:

- CANOPY COVERAGE BASED ON AVERAGE EXPECTED MATURE DIAMETER OF ~12.5m, AREA OF ~138m<sup>2</sup> (COMBINATION OF MEDIUM AND LARGE SIZE TREES).
- CALCULATION ACCOUNTS FOR CANOPY OVERLAP BETWEEN TREES AND EXCLUDES CANOPY OVERLAP TO NON-RESIDENTIAL LANDS.
- GRAPHICS ARE NOT TO SCALE.

#### TREE SOIL VOLUMES

| TREE TYPE/SIZE | SINGLE TREE SOIL VOLUME | MULTIPLE TREE SOIL VOLUME (m <sup>3</sup> /TREE) |
|----------------|-------------------------|--|
| ORNAMENTAL     | 15                      | 9  |
| COLUMNAR       | 15                      | 9  |
| SMALL          | 20                      | 12   |
| MEDIUM         | 25                      | 15   |
| LARGE          | 30                      | 18   |
| CONIFER        | 25                      | 15   |

TOTAL PERCENT COVER: 32%

#### TYPICAL STREET TREE PLANTING REQUIREMENTS

|  |           |
|--|-----------|
| 1 TREE PER INTERIOR SINGLE (NON-CORNER) LOTS | 607 TREES |
| 2 TREES PER EXTERIOR SINGLE (CORNER) LOTS    | 130 TREES |
| 1 TREE PER EXTERIOR TOWNHOUSE (CORNER) LOT   | 44 TREES  |
| 2 TREES PER 3 MULTIPLE-UNITS TOWNHOUSE       | 48 TREES  |
| 2 TREES PER 4 MULTIPLE-UNITS TOWNHOUSE       | 96 TREES  |
| 3 TREES PER 5 MULTIPLE-UNITS TOWNHOUSE       | 144 TREES |
| 3 TREES PER 6 MULTIPLE-UNITS TOWNHOUSE       | 168 TREES |

INTERIOR SINGLE (NON-CORNER) LOTS (607): 607 TREES

EXTERIOR SINGLE (CORNER) LOTS (65): 130 TREES

EXTERIOR TOWNHOUSE (CORNER) LOT (44): 44 TREES

3 MULTIPLE-UNITS TOWNHOUSE (24): 48 TREES

4 MULTIPLE-UNITS TOWNHOUSE (12): 24 TREES

5 MULTIPLE-UNITS TOWNHOUSE (84): 252 TREES

6 MULTIPLE-UNITS TOWNHOUSE (55): 165 TREES

TOTAL NUMBER OF TREES REQUIRED: 1,270

NUMBER OF STREET TREES SHOWN ON PLAN: 1,271

NUMBER OF WALKWAY BLOCK TREES: 00

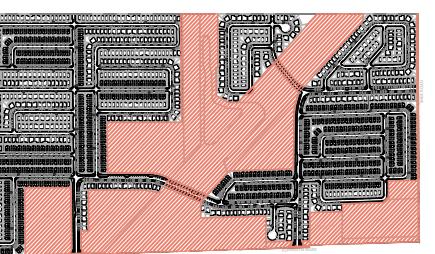
TOTAL NUMBER OF TREES ON PLAN: 1,271

DIFFERENCE: + 01

\*PRELIMINARY - STREET LOCATIONS ARE SUBJECT TO CHANGE DURING DETAILED DESIGN AND SITE PLAN CONTROL APPLICATIONS.

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



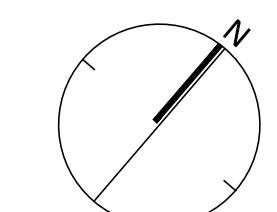
#### LEGEND

- PROPERTY LINE
- RESIDENTIAL LANDS
- EXCLUDED NON-RESIDENTIAL LANDS
- MATURE CANOPY
- EXCLUDED OVERLAP

|     |   |            |
|-----|---|------------|
| 7   | Issued for Preliminary Streetscape Resubmission | Oct. 31/25 |
| 6   | East Parcel Lands Identified                    | Jun 17/25  |
| 5   | Issued for Preliminary Streetscape Resubmission | Apr.14/25  |
| 4   | Issued for Preliminary Streetscape Resubmission | Mar.24/25  |
| 3   | Issued for Preliminary Streetscape Resubmission | Aug.9/24   |
| 2   | Issued for Preliminary Streetscape Resubmission | Aug.2/24   |
| 1   | Issued for Preliminary Streetscape Submission   | July.18/24 |
| No. | Description                                     | Date       |

Revision

City Approval Stamp



**NAK**  
design strategies

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

Project

STITTSVILLE WEST

Title

TREE CANOPY CALCULATIONS

Date 2025-10-24

Scale 1:1650

Drawn MB

Checked MK

Job No. 21-273

Sheet

D4