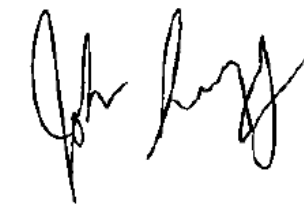


| PLANT LIST                                                          |                                           |                      |      |      |         |           |
|---------------------------------------------------------------------|-------------------------------------------|----------------------|------|------|---------|-----------|
| KEY                                                                 | BOTANICAL NAME                            | COMMON NAME          | QTY. | SIZE | REMARKS | OWNER     |
| DECIDUOUS TREES - LARGE (15-30M HEIGHT): TOTAL 56 (PRIVATELY OWNED) |                                           |                      |      |      |         |           |
| AR                                                                  | ACER RUBRUM                               | RED MAPLE            | 9    | 50mm | B&B     | Y PRIVATE |
| CC                                                                  | CARYA CORDIFORMIS                         | BITTERNUT HICKORY    | 8    | 50mm | B&B     | Y PRIVATE |
| GD                                                                  | GYMNOCLADUS DIOICUS                       | KENTUCKY COFFEE TREE | 7    | 50mm | B&B     | Y PRIVATE |
| GT                                                                  | GLEDTISIA TRICANTHOS VAR. INERMIS 'HALKA' | HALKA HONEY LOCUST   | 2    | 50mm | B&B     | Y PRIVATE |
| LT                                                                  | LIRIODENDRON TULIPIFERA                   | TULIP TREE           | 7    | 50mm | B&B     | Y PRIVATE |
| PO                                                                  | PLATANUS OCCIDENTALIS                     | AMERICAN SYCAMORE    | 8    | 50mm | B&B     | Y PRIVATE |
| QP                                                                  | QUERCUS PALUSTRIS                         | PIN OAK              | 4    | 50mm | B&B     | Y PRIVATE |
| QR                                                                  | QUERCUS RUBRA                             | RED OAK              | 6    | 50mm | B&B     | Y PRIVATE |
| UA                                                                  | ULMUS AMERICANA                           | VALLEY FORGE ELM     | 5    | 50mm | B&B     | Y PRIVATE |
| DECIDUOUS TREES - MEDIUM (8-14M HEIGHT): TOTAL 35 (PRIVATELY OWNED) |                                           |                      |      |      |         |           |
| AG                                                                  | AESCULUS GLABRA                           | OHIO BUCKEYE         | 8    | 50mm | B&B     | Y PRIVATE |
| ARR                                                                 | ACER RUBRUM 'REDPOINTE'                   | REDPOINTE RED MAPLE  | 2    | 50mm | B&B     | Y PRIVATE |
| CCA                                                                 | CARPINUS CAROLINIANA                      | BLUE BEECH           | 3    | 50mm | B&B     | Y PRIVATE |
| MR                                                                  | MORUS RUBRA                               | RED MULBERRY         | 7    | 50mm | B&B     | Y PRIVATE |

|                                                                  |                                     |                        |     |              |               |   |         |
|------------------------------------------------------------------|-------------------------------------|------------------------|-----|--------------|---------------|---|---------|
| OV                                                               | Ostrya virginiana                   | IRONWOOD               | 9   | 50mm         | B&B           | Y | PRIVATE |
| QO                                                               | Quercus prinus                      | CHESTNUT OAK           | 6   | 50mm         | B&B           | Y | PRIVATE |
| DECIDUOUS TREES - SMALL (6-8M HEIGHT): TOTAL 4 (PRIVATELY OWNED) |                                     |                        |     |              |               |   |         |
| CCI                                                              | Crataegus crusgali 'Inermis'        | THORNLESS HAWTHORN     | 4   | 250cm 15 GAL | PT, TREE FORM | Y | PRIVATE |
| MULTI-STEM SHRUBS: TOTAL 112 (PRIVATELY OWNED)                   |                                     |                        |     |              |               |   |         |
| Ac                                                               | Amelanchier canadensis              | SERVICEBERRY           | 18  | 125cm ht.    | PT, CLUMP     | Y | PRIVATE |
| Al                                                               | Amelanchier laevis                  | ALLEGHENY SERVICEBERRY | 20  | 125cm ht.    | PT, CLUMP     | Y | PRIVATE |
| Ca                                                               | Cornus alternifolia                 | PAGODA DOGWOOD         | 20  | 125cm ht.    | PT, CLUMP     | Y | PRIVATE |
| Hv                                                               | Hamamelis virginiana                | WITCHHAZEL             | 19  | 125cm ht.    | PT, CLUMP     | Y | PRIVATE |
| Vd                                                               | Viburnum dentatum                   | ARROWOOD VIBURNUM      | 17  | 125cm ht.    | PT, CLUMP     | Y | PRIVATE |
| VI                                                               | Viburnum lentago                    | NANNYBERRY             | 18  | 125cm ht.    | PT, CLUMP     | Y | PRIVATE |
| CONIFEROUS SHRUBS: TOTAL 102 (PRIVATELY OWNED)                   |                                     |                        |     |              |               |   |         |
| Js                                                               | Juniperus scopulorum 'Wichita Blue' | WITCHITA BLUE JUNIPER  | 35  | 3 GAL        | POT           | Y | PRIVATE |
| Tc                                                               | Taxus canadensis                    | CANADIAN YEW           | 67  | 3 GAL        | POT           | Y | PRIVATE |
| DECIDUOUS SHRUBS : TOTAL 590 (PRIVATELY OWNED)                   |                                     |                        |     |              |               |   |         |
| Am                                                               | Aronia melanocarpa                  | BLACK CHOKEBERRY       | 294 | 3 GAL        | POT           | Y | PRIVATE |
| Sa                                                               | Symphoricarpos albus                | SNOWBERRY              | 161 | 3 GAL        | POT           | Y | PRIVATE |

|                                                  |                                   |                    |     |       |     |   |         |
|--------------------------------------------------|-----------------------------------|--------------------|-----|-------|-----|---|---------|
| Po                                               | Physocarpus opulifolius 'Diabolo' | 'DIABOLO' NINEBARK | 135 | 3 GAL | POT | Y | PRIVATE |
| ORNAMENTAL GRASSES: TOTAL 1510 (PRIVATELY OWNED) |                                   |                    |     |       |     |   |         |
| cl                                               | Chasmanthium latifolium           | NORTHERN SEA OATS  | 406 | 7 GAL | POT | Y | PRIVATE |
| dc                                               | Deschampsia cespitosa             | TUFTED HAIR GRASS  | 338 | 7 GAL | POT | Y | PRIVATE |
| bg                                               | Bouteloua gracilis                | BLUE GRAMA         | 195 | 7 GAL | POT | Y | PRIVATE |
| sh                                               | Sporobolus heterolepis            | PRARIE DROPSEED    | 377 | 7 GAL | POT | Y | PRIVATE |
| ss                                               | Schizachyrium scoparium           | LITTLE BLUESTEM    | 194 | 7 GAL | POT | Y | PRIVATE |

  
**JOHN SEVIGNY C.E.T.**  
**MANAGER (A), DEVELOPMENT REVIEW EAST**  
**PLANNING, DEVELOPMENT & BUILDING SERVICES**  
**DEPARTMENT, CITY OF OTTAWA**

**APPROVED**  
By sevignyo at 12:24 pm, Sep 11, 2025

GENERAL NOTES:

- ALL PLANT MATERIAL SHALL BE NURSERY GROWN STOCK UNLESS OTHERWISE NOTED.
- TREES TO HAVE A MINIMUM 1800 CLEAR STEM ABOVE GRADE.
- CONTRACTOR TO MAKE GOOD ALL EXISTING AREAS DAMAGED BY HIS WORK TO THE SATISFACTION OF THE CONTRACTOR.
- ALL PLANT MATERIAL SHALL BE WARRANTIED FOR TWO YEARS FROM THE DATE OF SUBSTANTIAL COMPLETION.
- CONTRACTOR TO VERIFY LOCATION OF ALL SERVICES PRIOR TO ANY EXCAVATION.
- ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE AND ONLY AFTER APPROVAL OF THE LANDSCAPE ARCHITECT.

TREE PLANTING IN MARINE CLAY SOILS

THE LANDSCAPE CONSIDERATIONS CONTAINED WITHIN SEC. 6.8 OF PATERSON GROUP'S GEOTECHNICAL INVESTIGATION, DATED MAY 28, 2025.

- 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 PG6152-1 REV 5 DATED MAY, 2025).
- 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).

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

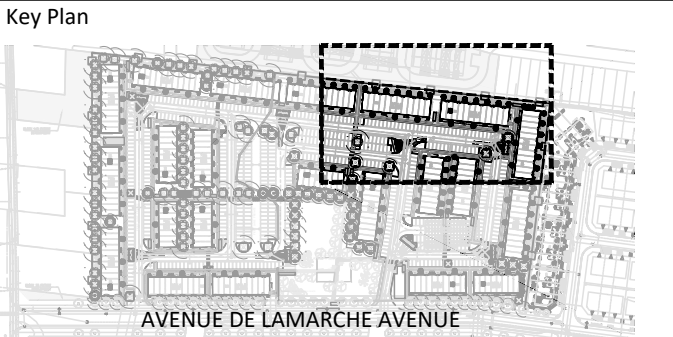
|  | SMALL | MEDIUM/ CONIFER | LARGE |
|--|-------|-----------------|-------|
|  |       |                 |       |
|  | 4475  | 3465            | 5000  |
|  | 5000  | 3875            | 5480  |
|  | 5480  | 4240            |       |

\*SOIL VOLUME CALCULATION BASED ON 1.0m DEPTH

| 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 (56)                       | 135-250*                                | 192                                     | CANOPY (W. OVERLAP): 7,084m² |
| MEDIUM (35)                      | 35-135*                                 | 85                                      |                              |
| SMALL (4)                        | 5-35*                                   | 20                                      |                              |

| PROPOSED STREET TREE PROJECTED CANOPY                                                                                                                                                                                                                                                                                                                             |  | CANOPY (W. OVERLAP): 6100m² |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------|
| PROPOSED STREET TREE CANOPY (BY OTHERS), m² CALCULATION BASED ON PROPOSED TREE SPECIES PROJECTIONS                                                                                                                                                                                                                                                                |  |                             |
| *RANGE OF CROWN AREAS IS IN ACCORDANCE WITH PROPOSED TREES SPECIES                                                                                                                                                                                                                                                                                                |  | SITE: 40,717m²              |
| **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 (OMNRF); US FOREST SERVICE; FARRAR, J.L. TREES IN CANADA, UNIVERSITY OF GUELPH ARBORETUM, VARIOUS PUBLICATIONS |  | TOTAL PERCENT COVER: 18.90% |
| ***NOTE: SITE AREA AND TREE COUNTS DO NOT INCLUDE PARK BLOCK.                                                                                                                                                                                                                                                                                                     |  |                             |

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.



| LEGEND   |                                        |
|----------|----------------------------------------|
| ---      | PROPERTY LINE                          |
| ---      | GEOTECHNICAL FOUNDATION SETBACK (4.5m) |
| FENCING  |                                        |
| ---      | WASTE ENCLOSURE FENCE                  |
| ---      | WOOD PRIVACY FENCE                     |
| PLANTING |                                        |
|          | LARGE DECIDUOUS TREE                   |
|          | MEDIUM DECIDUOUS TREE                  |
|          | SMALL DECIDUOUS TREE                   |
|          | TREE CANOPY PROJECTION                 |
|          | TREE FORM SHRUB                        |
|          | DECIDUOUS/CONIFEROUS SHRUBS            |
|          | GRASSES/PERENNIALS                     |
|          | SODDING                                |

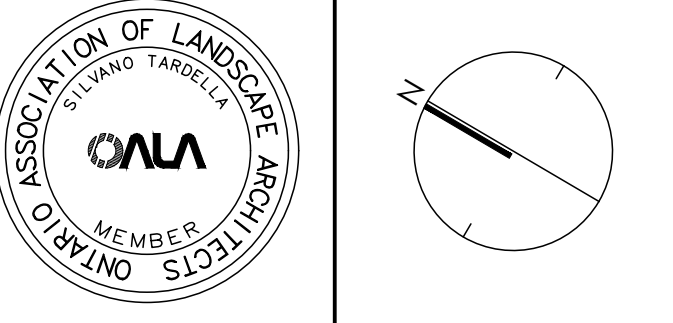
| PAVING       |                            |
|--------------|----------------------------|
|              | ASPHALT PAVING             |
|              | CIP CONCRETE PAVING        |
|              | HEAVY DUTY CONCRETE PAVING |
|              | RIVERSTONE PAVING          |
|              | UNIT PAVING                |
| PLANTING KEY |                            |
|              | TREE SPECIES QUANTITY      |
|              | SHRUB SPECIES QUANTITY     |
| DETAIL KEY   |                            |
|              | DETAIL NO. SHEET NO.       |

|                     |                                     |            |
|---------------------|-------------------------------------|------------|
| 8                   | Re-issued for Third Submission      | July 21/25 |
| 7                   | Re-issued for Third Submission      | July 3/25  |
| 6                   | Re-issued for Third Submission      | June 16/25 |
| 5                   | Issued for Third Submission         | May 28/25  |
| 4                   | Issued for Second Submission        | Apr.01/25  |
| 3                   | Issued for Revised First Submission | Dec.17/24  |
| 1                   | Issued for First Submission         | Sept.03/24 |
| No.                 | Description                         | Date       |
| Revision            |                                     |            |
| City Approval Stamp |                                     |            |

|                     |                                     |            |
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| Revision            |                                     |            |
| City Approval Stamp |                                     |            |

CLIENT  
CAIVAN (ORLEANS VILLAGE 2) LTD.

PROPERTY INFORMATION  
PIN 04404-1854 (LT), 04404-1880 (LT), 04404-1882 (LT) and Part of PIN 04404-1855 (LT), being Blocks 147, 173, 175 and Part of Block 148, Registered Plan 4M-1629



**NAK**  
design strategies  
1285 WELLINGTON STREET, OTTAWA, ON K1Y 3A8 CANADA  
T 416.237.2345  
Project

ORLEANS VILLAGE PHASE 4  
245 & 275 LAMARCHE AVE., OTTAWA, ON

|         |                |
|---------|----------------|
| Title   | LANDSCAPE PLAN |
| Date    | 2024-08-12     |
| Scale   | 1:250          |
| Drawn   | SW             |
| Checked | SC             |
| Job No. | 22-145         |
| L02     |                |