



202 950 GLADSTONE AVENUE
OTTAWA, ON K1Y 3E6

T 613 233 8579
F 613 233 4051

W LashleyLA.com
E Mail@LashleyLA.com

TREE CONSERVATION REPORT

| | |
|---------------|------------------------------------|
| PROJECT NAME: | 101 Norman Street Landscape Design |
| PROJECT NO. | 13548-1 |
| LOCATION | 101 Norman Street Ottawa, ON |
| DATE: | November 2013 |

Refer to attached drawings and aerials for further details (TP-01 and TP-02)

| SIZE OF DEVELOPMENT AREA (HECTARES) | NUMBER OF TREES ON SITE | NUMBER OF TREES TO BE REMOVED | NUMBER OF TREES TO BE RETAINED AND PROTECTED |
|-------------------------------------|---------------------------------------|---------------------------------------|--|
| 0.25 | 9 (WITHIN PROPERTY BOUNDARY) | 9 (WITHIN PROPERTY BOUNDARY) | 0 (WITHIN PROPERTY BOUNDARY) |
| | 3 (ADJACENT PROPERTY) 6 (CITY ROW) | 0 (ADJACENT PROPERTY) 3 (CITY ROW) | 3 (ADJACENT PROPERTY) 3 (CITY ROW) |

2.0 TREE INVENTORY WITHIN PROPERTY LINE

| TREE NO. | TREE SPECIES | SIZE (DBH) | CONDITION (GOOD, FAIR, POOR, OR DEAD) | NOTES |
|----------|---------------------|------------|---------------------------------------|--------------------|
| 3 | Eastern White Cedar | 10 - 19cm | Fair | Multi-stemmed (>3) |
| 4 | Eastern White Cedar | 10 - 15cm | Fair | Multi-stemmed (>3) |
| 10 | Manitoba Maple | 40cm | Poor | |
| 11 | Manitoba Maple | 20cm | Fair | |



| | | | | |
|----|----------------|-----------|------|--------------------|
| 12 | Manitoba Maple | 15cm | Fair | |
| 13 | Manitoba Maple | 10 - 20cm | Fair | Multi-stemmed (>3) |
| 14 | Manitoba Maple | 10 - 20cm | Poor | Multi-stemmed (>3) |
| 17 | Manitoba Maple | 11; 12cm | Poor | Double stemmed |
| 18 | Manitoba Maple | 10; 11cm | Poor | Double stemmed |

3.0 TREE INVENTORY OF ADJACENT PROPERTIES

| TREE NO. | TREE SPECIES | SIZE (DBH) | CONDITION (GOOD, FAIR, POOR, OR DEAD) | NOTES |
|----------|---------------------|------------|---------------------------------------|--------------------|
| 9 | Sugar Maple | 21cm | Good | |
| 15 | Mulberry | <10cm | Good | Multi-stemmed (>3) |
| 16 | Eastern White Cedar | 10 - 12cm | Good | Multi-stemmed (>3) |

4.0 TREE INVENTORY OF CITY R.O.W.

| TREE NO. | TREE SPECIES | SIZE (DBH) | CONDITION (GOOD, FAIR, POOR, OR DEAD) | NOTES |
|----------|---------------|------------|---------------------------------------|--|
| 1 | Austrian Pine | 40cm | Fair | |
| 2 | Ash | 46cm | Poor | Susceptible to Ash Borer Disease; tree not selected to receive insecticide (confirmed with City of Ottawa Forestry Department) |



| | | | | |
|---|---------------------|-----------------|------|----------------------------------|
| 5 | Eastern White Cedar | 11; 12 ;28cm | Fair | Tri-stemmed; crown dieback |
| 6 | Serviceberry | 22cm | Good | |
| 7 | Ash | 20cm | Fair | Susceptible to Ash Borer Disease |
| 8 | Ash | 28cm | Fair | Susceptible to Ash Borer Disease |

5.0 ENVIRONMENTAL VALUE AND ECOLOGICAL FUNCTION

| TREE NO. | VALUE SCALE 1-10 (1 POOR-10 HEALTHY) | WOODLOT SIGNIFICANCE | SIGNIFICANCE AS A PART OF A GREENSPACE LINKAGE | CONDITION AND HEALTH (GOOD, FAIR, POOR, OR DEAD) | DISTINCT OR RARE TREES WITHIN PROPERTY BOUNDARY |
|-------------------------|---|--|--|---|--|
| 3-4; 10-14; 17-18 | 3 | The trees located within property do not form, or are apart of, a woodlot of significance, as evaluated in the Urban Natural Areas Environmental Evaluation Study (UNAEES). The majority of the trees are non-native to Ontario. | The trees located within the property do not form part of a greenspace linkage, as evaluated in the Greenspace Master Plan. | 5 Fair 4 Poor | No distinct or rare trees within the property |
| 9; 15-16 | 9 | The trees located on adjacent property do not form, or are apart of, a woodlot of significance, as evaluated in the Urban Natural Areas Environmental | The trees located on adjacent property do not form part of a greenspace linkage, as evaluated in the Greenspace Master Plan. | 3 Good | No distinct or rare trees on adjacent properties |



| | | Evaluation Study (UNAEES). | | | |
|----------|---|--|--|----------------------------|--|
| 1-2; 5-8 | 5 | The trees located within city R.O.W. do not form, or are apart of, a woodlot of significance, as evaluated in the Urban Natural Areas Environmental Evaluation Study (UNAEES). | The trees located within city R.O.W. do not form part of a greenspace linkage, as evaluated in the Greenspace Master Plan. | 1 Good 4 Fair 1 Poor | No distinct or rare trees within city R.O.W. Three (3) Ash trees were identified within city R.O.W. and are susceptible to the Ash Borer Disease. |

6.0 TREE REMOVAL RATIONALE

| TREE NO. | RATIONALE (<i>Describe rationale for tree removal, how it will effect existing systems, surrounding landscape, etc.</i>) |
|-------------------|--|
| 3-4; 10-14; 17-18 | The trees on property listed and noted on TP-01 must be removed. The trees are in direct conflict with the new underground parking, new building and/or new landscaping. |
| | No trees on adjacent properties will be removed. |
| 2; 5-6 | The trees within city R.O.W. listed and noted on TP-01 must be removed. The trees are either in direct conflict with the new underground parking, servicing, new building, and/or new landscaping, or will be harmed in the process due to construction access and work. |



7.0 TREE RETENTION RATIONALE AND MITIGATION MEASURES

| TREE NO. | RATIONALE AND MITIGATION DESCRIPTION <i>(Describe rationale for tree retention, impact of development for remaining trees, grade changes, drainage pattern changes, effects of impervious surfaces and new buildings, changes to the water table, long-term survival promotion, etc.)</i> |
|----------|---|
| | No trees within property will be retained. |
| 9; 15-16 | The remaining trees on adjacent property will remain. The completed buildings and landscape design will not have a significant impact on their ability to grow and remain healthy. |
| 1; 7-8 | The remaining trees on city R.O.W. will remain. The completed buildings and landscape design will not have a significant impact on their ability to grow and remain healthy. |

8.0 TREE PROTECTION MEASURES

| Measure NO. | Tree Protection Measures |
|-------------|---|
| 1 | Erect a fence at the critical root zone*(CRZ) or the dripline of the tree canopy (whichever is greater) as required for trees to be protected. |
| 2 | Do not place any material or equipment within the CRZ of the tree. |
| 3 | Do not attach any signs, notices, or posters to any tree. |
| 4 | Do not raise or lower the existing grade within the CRZ of a tree without direction and approval of the Landscape Architect. Landscape Architect to provide specification of grade changes. |
| 5 | Do not damage the root system, trunk or branches of any tree. |
| 6 | Ensure that exhaust fumes from all equipment are NOT directed towards the canopy of any tree. |

Definition of CRZ:



* D = diameter of trunk in centimeters
 D x 10cm = Critical Root Zone (CRZ)

The critical root zone is established as being 10 centimetres from the trunk of a tree for every centimetre of trunk diameter. The trunk diameter is measured at a height of 1.2 metres for trees of 15 centimetres diameter and greater and at a height of 0.3 metres for trees of less than 15 centimetres diameter

9.0 SUGGESTED TREES FOR LANDSCAPE PLAN

| NO. OF PROPOSED TREES | SUGGESTED TREE SPECIES | PERCENT OF TREE OFFSET TO THE SITE (%) |
|-----------------------|---|--|
| 18 | Abies balsamea (2 total) Ginkgo biloba 'Autumn Gold' (5 total) Gleditsia triacanthos var. inermis 'Shademaster' (4 total) Gleditsia triacanthos var. inermis 'Suncole' (2 total) Ostrya virginiana (5 total) (See TP-02 for locations) | 150% |

10.0 ADDITIONAL INFORMATION

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|------------|-------------------------------------|
| OWNER NAME | Tamarack Corporation |
| ADDRESS | 3187 Albion Rd S, Ottawa ON K1T 1W9 |
| TEL. NO. | 613-739-2919 |

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|----------------|-------------------------------------|
| APPLICANT NAME | Tamarack Corporation |
| ADDRESS | 3187 Albion Rd S, Ottawa ON K1T 1W9 |



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| TEL. NO. | 613-739-2919 |
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| PROFESSIONAL NAME | Lashley & Associates Landscape Architecture & Site Engineering |
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| ADDRESS | Suite 202, 950 Gladstone Avenue, Ottawa ON K1Y 3E6 |
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| TEL. NO. | 613-233-8579 |
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|-----------------|-----|
| CONTRACTOR NAME | TBD |
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| ADDRESS | TBD |
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| TEL. NO. | TBD |
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| MUNICIPAL ADDRESSES | 93 Norman Street, Ottawa ON 95 Norman Street, Ottawa ON 97 ½ Norman Street, Ottawa ON 99 Norman Street, Ottawa ON 103 Norman Street, Ottawa ON 105 Norman Street, Ottawa ON |
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| LEGAL DESCRIPTIONS (LOT, BLOCK, PLAN) | Lot 1503, Registered Plan 38 Lot 1504, Registered Plan 38 Lot 1505, Registered Plan 38 Lot 1506, Registered Plan 38 Lot 1507, Registered Plan 38 |
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| CONFIRMATION OF EXISTING OFFICIAL PLAN | Confirmed |
| CONFIRMATION OF ZONING DESIGNATIONS | Confirmed |
| PREVIOUS APPLICATIONS | <p>Applications for Committee of Adjustment:</p> <ul style="list-style-type: none"> 1- 87-247-A-06085 2- 80-067-A-02379 3- 78-076-A-01791 4- 73-010-B-01017 <p>Applications for Building Permit:</p> <ul style="list-style-type: none"> 1- 0904821 2- 92976 3- 89212 4- 78786 5- 71347 6- 28862 7- 11574 <p>Applications for Demolition Permit:</p> <ul style="list-style-type: none"> 1- 79117 |



7 NOVEMBER 2013
NORMAN STREET
LANDSCAPE DESIGN

| | |
|-------------------|--|
| PURPOSE OF REPORT | To describe the existing tree coverage on the property and to identify the trees to be removed or protected for the construction of one condominium building and the landscape design. To describe trees on adjacent property to be protected and preserved or to be removed. To identify new trees to be planted on site. |
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11.0 SCHEDULE OF PROPOSED WORKS

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|------------------------|-----|
| START DATE | TBD |
| SUBSTANTIAL COMPLETION | TBD |

Submitted by:



David Lashley, Registered Landscape Architect