LASHLEY +ASSOCIATES
LANDSCAPE ARCHITECTURE AND SITE ENGINEERING

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TREE CONSERVATION REPORT

PROJECT NAME:	429 Ancaster Avenue
PROJECT NO.	23863-1
LOCATION	429 Ancaster Avenue, Ottawa ON, K2B 5B5
DATE:	10 April, 2023

Refer to attached drawing for further details (TP-01)

1.0 SITE INFORMATION (AREA TO BE DEVELOPED)

SIZE OF DEVELOPMENT AREA *(HECTARES)*	NUMBER OF TREES ON SITE	NUMBER OF TREES TO BE REMOVED	NUMBER OF TREES TO BE RETAINED	NUMBER OF TREES TO BE RETAINED AND PROTECTED *(OUTSIDE OF PROPERTY LINE)*
0.14	6 Trees on site 0 Trees on City property 25 Trees on adjacent property	5 Trees on site 0 Trees on City property 2 Trees on adjacent property	1 Trees on site	0 Tree on City property 23 Trees on adjacent property

2.0 TREE INVENTORY WITHIN PROPERTY LINE

TREE NO.	TREE SPECIES	SIZE *(DBH)*	CONDITION AND HEALTH *(GOOD, FAIR, POOR, OR DEAD)*
E01	Colorado Blue Spruce /*Picea pungens*	37	Good
E02	Norway Maple /*Acer platanoides*	26	Good
E03	Norway Maple /*Acer platanoides*	27	Good
E04	White Spruce / *Picea glauca*	43	Fair, basal rot
E12	Black Walnut /*Juglans nigra*	67	Fair, branch dieback

E17	Tree Lilac /*Syringa reticulata*	15	Good

3.0 TREE INVENTORY OF CITY PROPERTY

TREE NO.	TREE SPECIES	SIZE *(DBH)*	CONDITION AND HEALTH *(GOOD, FAIR, POOR, OR DEAD)*
	N/A		

4.0 TREE INVENTORY OF ADJACENT PRIVATE PROPERTY

TREE NO.	TREE SPECIES	SIZE *(DBH)*	CONDITION AND HEALTH *(GOOD, FAIR, POOR, OR DEAD)*
E05	Manitoba Maple /*Acer negundo*	28	Fair
E06	Basswood /*Tilia americana*	30, 28, 28, 26, 24, 20	Fair, 8 stems joined at base
E07	Sugar Maple /*Acer saccharum*	35	Good
E08	American Elm / *Ulmus americana*	54, 45, 40	Poor, canopy dieback, senescing, likely dutch elm disease.
E09	Apple / *Malus sp.*	25	Poor
E10	Norway Maple /*Acer platanoides*	39	Fair
E11	Norway Maple /*Acer platanoides*	44	Fair, lean to southeast
E13	Eastern White Cedar / *Thuja occidentalis*	15-32	Fair, hedge, 16 trees
E14	White Pine / *Pinus strobus*	45	Good
E15	White Pine / *Pinus strobus*	61	Good
E16	White Pine / *Pinus strobus*	65	Fair, branch dieback

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 TREES WITHIN PROPERTY BOUNDARY
1-17	8 – Mature residential trees in greenspace	None	None	Good	Yes

6.0 TREE REMOVAL RATIONALE

TREE NO.	RATIONALE *(Describe rationale for tree removal, how it will affect existing systems, surrounding landscape, etc.)*
E02-E04, E17	Tree locations conflict with proposed grading, building footings, mechanical & electrical servicing.
E08, E09	Subject to agreement with neighbour to south, these trees to be removed. Tree E08, American Elm, appears to be senescing, likely due to Dutch Elm. Large dead branches in canopy & bark spalling observed. E09, an Apple, appears to be in poor condition & will likely suffer damage from the removal of E08.

7.0 TREE RETENTION RATIONALE AND MITIGATION MEASURES

TREE NO.	RATIONALE AND MITIGATION DESCRIPTION *(Describe rational 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.)*
E05, E06, E07, E13	Trees exist on adjacent property near the property lines. Trees to be protected by tree preservation fencing to City standards.

10	Subject to an agreement with the owner of the adjacent property; 1 Norway Maple tree south of subject property has a CRZ that extends onto the subject property. Proposed construction will damage approximately 21.5% of the Critical Root Zone. Common understanding indicates anything less than 25% injury or removal of existing root mass will not negatively affect the tree. We recommend that the limits of construction be verified on site and that the root zone be excavated by hydrovac with any roots discovered, cut cleanly with sharp tools designed to cut live green wood. Any exposed roots to be immediately reburied or covered with 3 layers of burlap to be wetted twice daily while the excavation remains open.
E11	Subject to an agreement with the owner of the adjacent property; 1 Norway Tree tree south of subject property has a CRZ that extends onto the subject property. Proposed construction will damage approximately 13.5% of the Critical Root Zone. Common understanding indicates anything less than 25% injury or removal of existing root mass will not negatively affect the tree. We recommend that the limits of construction be verified on site and that the root zone be excavated by hydrovac with any roots discovered, cut cleanly with sharp tools designed to cut live green wood. Any exposed roots to be immediately reburied or covered with 3 layers of burlap to be wetted twice daily while the excavation remains open.
E12	Black Walnut has a CRZ that will be affected by construction. Proposed construction will damage approximately 13.5% of the Critical Root Zone. Common understanding indicates anything less than 25% injury or removal of existing root mass will not negatively affect the tree. We recommend that the limits of construction be verified on site and that the root zone be excavated by hydrovac with any roots discovered, cut cleanly with sharp tools designed to cut live green wood. Any exposed roots to be immediately reburied or covered with 3 layers of burlap to be wetted twice daily while the excavation remains open. We also note that some subcanopy branches may require pruning to avoid conflicts with construction.
E14, E15, E16	Subject to an agreement with the owner of the adjacent property; 3 Pine trees north of subject property have CRZs that extend onto the subject property. Proposed construction will damage approximately 12.3% of the Critical Root Zone. Common understanding indicates anything less than 25% injury or removal of existing root mass will not negatively affect the tree. We recommend that the limits of construction be verified on site and that the root zone be excavated by hydrovac with any roots discovered, cut cleanly with sharp tools designed to cut live green wood. Any exposed roots to be immediately reburied or covered with 3 layers of burlap to be wetted twice daily while the excavation remains open.

8.0 TREE PROTECTION MEASURES	
	RATIONALE AND MITIGATION DESCRIPTION *(Describe rational 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.)*
1	Erect a fence at the critical root zone*(CRZ) of all trees to be protected shown on the attached plans TP-01.
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.

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

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 (%)
5	• Burr Oak / *Quercus macrocarpa* • Sugar Maple / *Acer saccharum* • Serviceberry / *Amelanchier canadensis* • White Spruce / *Picea glauca*	100%

	• Black Cedar / *Thuja occidentalis* 'Nigra'	

10.0 ADDITIONAL INFORMATION	
OWNER NAME	The Estate of Lidia Pietrantonio c/o Mario Pietrantonio
ADDRESS	429 Ancaster Avenue, Ottawa, K2B 5B6
TEL. NO.	N/A

PROFESSIONAL NAME	Lashley + Associates Corporation
ADDRESS	Suite 202, 950 Gladstone Avenue, Ottawa ON K1Y 3E6
TEL. NO.	613-233-8579

CONTRACTOR NAME	TBD
ADDRESS	TBD
TEL. NO.	TBD

MUNICIPAL ADDRESS	429 Ancaster Avenue, Ottawa ON, K2B 5B5
LEGAL DESCRIPTION *(LOT, BLOCK, PLAN)*	Part of Lot 5, R-Plan 461, City of Ottawa P.I.N. 03967-0024

CONFIRMATION OF EXISTING OFFICIAL PLAN	Inner Urban Transect Policy Area – Evolving Neighbourhood Overlay

CONFIRMATION OF ZONING DESIGNATIONS	R2F
PREVIOUS STATUS OF APPLICATION	N/A

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 a new building and associated site works. To identify new trees to be planted on site.

11.0 SCHEDULE OF PROPOSED WORKS	
START DATE	TBD
SUBSTANTIAL COMPLETION	TBD

Submitted by:

Ryan Paliga

MLA, OALA, ISA
Landscape Architect + Arborist (ON–1664A)