



**3810-3814 COL TALBOT RD
LONDON, ONTARIO
TREE ASSESSMENT REPORT
FOR REZONING APPLICATION**

**PREPARED BY: RON KOUDYS LANDSCAPE
 ARCHITECTS INC**

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RKLA PROJECT #: 21-260



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1.0 INTRODUCTION AND EXECUTIVE SUMMARY

1.1 INTRODUCTION

Ron Koudys Landscape Architects Inc. (RKLA) was retained by York Developments to prepare a tree assessment report in conjunction with the proposed development at 3810-3814 Colonel Talbot Road, London Ontario. The intent of this report is to summarize the findings of the tree assessment and make recommendations regarding tree preservation and removal based on tree health, the current site plan, and anticipated site grading for the purpose of application for rezoning.

Note that refinement of these recommendations will be made upon design refinement at the time of application for site plan approval.

1.2 EXECUTIVE SUMMARY

The inventory captured 106 individual trees and 4 vegetation units (comprised of 183 individuals). Trees were identified within the subject site, and within 3 meters of the legal property boundary. Two trees within the City ROW were observed. No species classified as endangered or threatened under the Ontario Endangered Species Act, 2007, S.O. 2007, c. 6 were observed during the tree inventory. All trees observed are common to the current land uses and can be characterized as anthropogenic or opportunistic. The subject site is NOT within or immediately adjacent to a City of London Tree Protection Area.

1.2.1 TREE SPECIES COMPOSITION CHART

The following chart summarizes the amount of each tree species observed. Note that individuals within the vegetation units ARE included in this chart.

%	Qty	Botanical Name	Common Name
36%	38	<i>Juglans nigra</i>	Black Walnut
17%	18	<i>Populus deltoides</i>	Cottonwood
11%	12	<i>Acer negundo</i>	Manitoba Maple
8%	8	<i>Acer saccharinum</i>	Silver Maple
5%	5	<i>Picea abies</i>	Norway Spruce
3%	3	<i>Acer saccharum</i>	Sugar Maple
4%	4	<i>Malus</i> spp	Apple
3%	3	<i>Pinus strobus</i>	White Pine
4%	4	<i>Prunus</i> spp	Cherry
2%	2	<i>Morus alba</i>	Mulberry
2%	2	<i>Robinia pseudoacacia</i>	Black Locust
2%	2	<i>Thuja occidentalis</i> 'Nigra'	Black Cedar
1%	1	<i>Acer x freemanii</i>	Freeman Maple
1%	1	<i>Celtis occidentalis</i>	Hackberry
1%	1	<i>Juniperus virginiana</i>	Red Cedar
1%	1	<i>Picea pungens var. glauca</i>	Colorado Blue Spruce
1%	1	<i>Ulmus pumila</i>	Elm
100%	105	Total	

1.2.2 TREE REMOVAL AND PRESERVATION RECOMMENDATIONS

- Removal of all but 3 trees and all vegetation units from subject site due to direct conflict with proposed site plan and expected site grading.
- At time of application for SPA, acquire written consent from adjacent land owner for the lawful removal of 4 boundary trees.
- Follow pre, during, and post construction recommendations outlined in the Construction Impact Mitigation Recommendations in this report.

2.0 SUBJECT SITE AND SCOPE OF WORK

The subject site is a combination of 3810 & 3814 Col. Talbot Road in London Ontario. The site is bound to the East by an active agriculture field, to the south by a light industrial/storage facility, and to the North by a recreational facility.

Existing trees on the site are associated with the two existing dwellings and out buildings as well as along the Southern property line.



Figure 1 - City of London mapping with 2021 aerial imagery. NTS
Red dashed line - limit of tree inventory

The scope of this tree inventory includes the subject site as well as trees within 3m off the subject site property line. Refer to Figure 1 for scope of tree inventory.

3.0 METHODOLOGY

Field work was completed on October 6, 2021 (prior to annual defoliation) by RKLA staff member Michelle Peeters, ISA certified arborist ON 2129A. A site review was completed by Luke Koudys, ISA certified arborist ON-2865A on February 24, 2023 to review and confirm the findings from the initial tree assessment. A topographic survey provided by AGM, dated August 13, 2021 was used as a base for the field work and determined tree location/ownership. A follow up site review was completed by RKLA staff on February 21, 2023 to confirm findings from the initial assessment. All trees with a minimum DBH of 10cm within the given scope were identified and assessed. Groups of trees and hedges were identified and assessed as vegetation units, and include trees smaller than 10cm DBH. Trees were NOT tagged in the field. Each tree and vegetation unit was assigned a number which are identified in the tree data table and on the tree

preservation plan. Tree identification numbers include 1-106, vegetation unit identification numbers include Veg 1 - Veg 4.

The following information was recorded for each individual tree:

- Genus + specific epithet (Species)
- Diameter at breast height (DBH) (centimetres)
- Crown radius (metres)
- Crown Condition (overall general vigour of crown)
- Structural Form (excellent, good, fair, poor)
- Structural Integrity (good, fair, poor, hazard)
- General Comments

3.1 HEALTH ASSESSMENT

Trees were assessed following accepted arboricultural techniques and best practices using a limited visual inspection. The inspection included a 360 degree visual examination of the above-ground parts of each tree for structural defects including cavities, wounds, scars, external indicators of internal decay, evidence of insect presence, discoloured or deformed foliage, canopy and root distribution, and the overall condition of the tree. Evaluation of tree health was based on visible tree health indicators including live buds, foliage condition, deadwood, structural defects, form, and signs of disease or insect infestation. If needed, field observations were reviewed against available online imagery of the site to assist in determining tree canopy health. Quantified health assessments included in the inventory are explained here:

Crown Condition Assessment

- 5 Healthy: less than 10% crown decline
- 4 Slight decline: 11% - 30% crown decline
- 3 Moderate decline: 31% - 60% crown decline
- 2 Severe decline: 61% - 90% crown decline
- 1 Dead - No visible indication of living foliage or buds in crown

Structural Form Assessment

- Excellent: An ideal expression of a specific tree species, true to form, balanced canopy, good flare, typical internode length, full crown, etc.
- Good: A satisfactory and generally expected expression of a specific tree species, with only minor or typical variances from an ideal form.
- Fair: Nearly satisfactory, with defects or a combination of defects such as codominant leaders, unbalanced crown, poor/no flare, shortened internodes, has been poorly pruned, etc.
- Poor: Significantly flawed expression of a specific tree species

Structural Integrity Assessment

- Good: Defects if present are minor (e.g. twig dieback, small wounds); defective tree part is small (e.g. 5-8 cm diameter limb) providing little if any risk.
- Fair: Defects are numerous or significant (e.g. dead scaffold limbs); defective parts are moderate in size (e.g. limb greater than 5-8 cm in diameter).
- Poor: Defects are severe (trunk cavity in excess of 50%); defective parts are large (e.g. majority of crown).

Hazard: Defects are severe and acute; defective part or collective defective parts render the tree a high risk threat to potential targets.

3.2 CRITICAL ROOT ZONES

The critical root zone of a tree is the portion of the root system that is the minimum necessary to maintain tree vitality and stability. Critical root zones are commonly prescribed by municipal bylaws based solely on DBH and/or drip line, and are typically expressed as a circular shape around the tree. There are a number of other factors, however, that are considered when establishing a critical root zone.

Factors that inform location and extent of a tree preservation barriers to protect the critical root zone include: species tolerance to root loss and other construction impacts (as established by authoritative resources and professional experience), tree trunk size (DBH), tree health and vigour, structural condition, landscape context, soil type, moisture availability, topography, ground cover, crown size (drip line) and balance, current physical root restrictions, visible root arrangement, relationship to neighbouring trees, relationship between tree and proposed construction, type of proposed construction, etc.

The City of London Tree Protection By-Law (C.P.-1555-252) defines the Critical Root Zone as *“the area of land within a radius of ten (10) cm from the trunk of a tree for every one (1) cm of trunk diameter”*. The Tree Preservation drawing graphically represents this radius for trees to be preserved.

4.0 BOUNDARY TREE LEGISLATION

There are 4 boundary trees (tree ID #'s 56, 73, 75, and 78)) associated with this project. Note that, according to provincial legislation, a tree is considered a boundary tree if any part of the trunk before the first/lowest branch crosses the property line. Boundary trees are shared property of the two (or more) adjacent land owners.

Action associated with boundary trees is governed by provincial legislation:

Forestry Act, R.S.O. 1990, c. F.26

Boundary trees

10 (1) An owner of land may, with the consent of the owner of adjoining land, plant trees on the boundary between the two lands. 1998, c. 18, Sched. I, s. 21.

Trees common property

(2) Every tree whose trunk is growing on the boundary between adjoining lands is the common property of the owners of the adjoining lands. 1998, c. 18, Sched. I, s. 21.

Offence

(3) Every person who injures or destroys a tree growing on the boundary between adjoining lands without the consent of the land owners is guilty of an offence under this Act. 1998, c. 18, Sched. I, s. 21.

5.0 TREE INVENTORY AND PRESERVATION/REMOVAL RECOMMENDATIONS

5.1 TREE DATA TABLE

The following recommendations are based on requirements of the current site plan. Grey indicates recommended removal.

GENERAL INFORMATION				SIZE		HEALTH & CONDITION				RECOMMENDATIONS		
ID #	BOTANICAL NAME	COMMON NAME	LOCATION	DBH (cm)	CANOPY RADIUS (m)	CROWN CONDITION	STRUCTURAL FORM	STRUCTURAL INTEGRITY	COMMENTS	EXPECTED CONSTRUCTION IMPACT	PRESERVE OR REMOVE	NOTES IMPACT MITIGATION CONSENT REQUIREMENTS
1	<i>Acer negundo</i>	Manitoba Maple	Subject site	15, 12, 11, 9, 8, 7	4.5	5	fair	fair	Multistem 5, primary union at grade, gnarly base, minor deadwood	Direct conflict with proposed construction	remove	none
2	<i>Populus deltoides</i>	Cottonwood	Subject site	67	8	5	fair	good	Minor epicormic growth, low branched, uneven grade at base	Direct conflict with proposed construction	remove	none
3	<i>Populus deltoides</i>	Cottonwood	Subject site	38, 12	4	5	fair	good	Multistem 2, 12cm branch is dead, primary union below grade, uneven grade at base	Direct conflict with proposed construction	remove	none
4	<i>Populus deltoides</i>	Cottonwood	Subject site	54	6	5	fair	good	Minor dead lower branches, uneven grade at base	Direct conflict with proposed construction	remove	none
5	<i>Acer saccharinum</i>	Silver Maple	Subject site	25	3	5	fair	good	Supressed, 1 low sucker forms part of canopy, uneven grade at base	Direct conflict with proposed construction	remove	none
6	<i>Juniperus virginiana</i>	Red Cedar	Subject site	27, 19, 19	4	5	good	good	Multistem 3, branched to grade	Direct conflict with proposed construction	remove	none
7	<i>Juglans nigra</i>	Black Walnut	Subject site	13	4	5	fair	good	Emerging from base of tree #6, supressed	Direct conflict with proposed construction	remove	none
8	<i>Acer negundo</i>	Manitoba Maple	Subject site	40, 16, 10	4	5	fair	fair	Multistem 3, primary union at and below grade, epicormic growth	Direct conflict with proposed construction	remove	none
9	<i>Thuja occidentalis 'Nigra'</i>	Black Cedar	Subject site	56	4.5	5	fair	fair	Significant lean and bow SW, dead wood	Direct conflict with proposed construction	remove	none
10	<i>Thuja occidentalis 'Nigra'</i>	Black Cedar	Subject site	70, 41	4.5	5	good	good	Primary union below grade	Direct conflict with proposed construction	remove	none
11	<i>Prunus spp</i>	Cherry	Subject site	41, 36, 28	5.5	5	fair	fair	Multistem 3, broad crown, low branched, wide flare, trunk seams	Direct conflict with proposed construction	remove	none
12	<i>Populus deltoides</i>	Cottonwood	Subject site	71	6	5	good	good	Elevated crown	Direct conflict with proposed construction	remove	none
13	<i>Acer saccharinum</i>	Silver Maple	Subject site	-160	12	5	good	good	Low primary union, massive specimen	Direct conflict with proposed construction	remove	none
14	<i>Prunus spp</i>	Cherry	Subject site	29, 21	3	5	good	good	Multistem 2, DBH measured below primary union, included bark at primary union, low branched	Direct conflict with proposed construction	remove	none
15	<i>Morus alba</i>	Mulberry	Subject site	20	4	5	fair	fair	Heavily supressed	Direct conflict with proposed construction	remove	none
16	<i>Acer x freemanii</i>	Freeman Maple	Subject site	9, 7	3	5	fair	fair	Multistem 2, primary union below grade, crossing trunks	Direct conflict with proposed construction	remove	none
17	<i>Pinus strobus</i>	White Pine	Subject site	45	5	5	good	good	Limbed up 10m, large lilac shrub understory, trees 17, 18 & 19 nearly touching at grade	Direct conflict with proposed construction	remove	none
18	<i>Pinus strobus</i>	White Pine	Subject site	61	5	5	good	good	Limbed up 10m, large lilac shrub understory, trees 17, 18 & 19 nearly touching at grade	Direct conflict with proposed construction	remove	none

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19	<i>Pinus strobus</i>	White Pine	Subject site	57	5	5	good	good	Limbed up 10m, large lilac shrub understory, trees 17, 18 & 19 nearly touching at grade	Direct conflict with proposed construction	remove	none
20	<i>Acer saccharinum</i>	Silver Maple	Subject site	65	4	5	fair	fair	Deadwood and snags	Direct conflict with proposed construction	remove	none
21	<i>Juglans nigra</i>	Black Walnut	Subject site	50	5	5	good	good	Sealed trunk seam, full form	Direct conflict with proposed construction	remove	none
22	<i>Picea pungens var. glauca</i>	Colorado Blue Spruce	Subject site	-25	2.5	5	excellent	good	Branched to grade, full form	Direct conflict with proposed construction	remove	none
23	<i>Picea abies</i>	Norway Spruce	Subject site	-20	2.5	5	good	good	Branched to grade, full form	Direct conflict with proposed construction	remove	none
24	<i>Acer saccharum</i>	Sugar Maple	Subject site	21	3	5	excellent	good	Low branched, full form	Direct conflict with proposed construction	remove	none
25	<i>Acer saccharum</i>	Sugar Maple	Subject site	11	2	5	good	good	Well balanced crown	Direct conflict with proposed construction	remove	none
26	<i>Acer saccharum</i>	Sugar Maple	Subject site	23	3	5	good	good	Low branched	Direct conflict with proposed construction	remove	none
27	<i>Picea abies</i>	Norway Spruce	Subject site	-40	3	5	excellent	good	Branched to grade, minor grape vine into crown, full form	Direct conflict with proposed construction	remove	none
28	<i>Picea abies</i>	Norway Spruce	Subject site	-35	3	5	excellent	good	Branched to grade, full form	Direct conflict with proposed construction	remove	none
29	<i>Picea abies</i>	Norway Spruce	Subject site	19	3	5	good	good	Branched to grade, sparse crown	Direct conflict with proposed construction	remove	none
30	<i>Picea abies</i>	Norway Spruce	Subject site	23	3	5	good	good	Branched to grade, sparse crown	Direct conflict with proposed construction	remove	none
31	<i>Juglans nigra</i>	Black Walnut	City ROW - Col Talbot Rd	27	4	5	good	good	Low branched	No conflict with critical root zone	preserve	tree protection barrier
32	<i>Juglans nigra</i>	Black Walnut	City ROW - Col Talbot Rd	25	4	5	good	good	Low branched	No conflict with critical root zone	preserve	tree protection barrier
33	<i>Juglans nigra</i>	Black Walnut	Subject site	27	4	5	good	good	Low branched	Direct conflict with proposed construction	remove	none
34	<i>Juglans nigra</i>	Black Walnut	Subject site	40	4	5	good	good	Canopy heavy N	Direct conflict with proposed construction	remove	none
35	<i>Juglans nigra</i>	Black Walnut	Subject site	16	8	5	good	good	Canopy heavy N, suppressed	Direct conflict with proposed construction	remove	none
36	<i>Juglans nigra</i>	Black Walnut	Subject site	23	5	5	good	good	Canopy heavy N	Direct conflict with proposed construction	remove	none
37	<i>Juglans nigra</i>	Black Walnut	Subject site	29	5	5	good	good	Canopy heavy N	Direct conflict with proposed construction	remove	none
38	<i>Juglans nigra</i>	Black Walnut	Subject site	33	5	5	good	good	Canopy heavy N, Virginia creeper climbing trunk	Direct conflict with proposed construction	remove	none
39	<i>Juglans nigra</i>	Black Walnut	Subject site	17	2	5	good	good	Grown through fence, Virginia creeper climbing trunk	Direct conflict with proposed construction	remove	none
40	<i>Juglans nigra</i>	Black Walnut	Subject site	21	5	5	good	good	Canopy heavy N, Virginia creeper climbing trunk	Direct conflict with proposed construction	remove	none
41	<i>Juglans nigra</i>	Black Walnut	Subject site	26	5	5	good	good	Canopy heavy N, Virginia creeper climbing trunk	Direct conflict with proposed construction	remove	none
42	<i>Juglans nigra</i>	Black Walnut	Subject site	13	4	5	fair	good	Trunk bend S, Virginia creeper climbing trunk	Direct conflict with proposed construction	remove	none

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ID #	BOTANICAL NAME	COMMON NAME	LOCATION	DBH (cm)	CANOPY RADIUS (m)	CROWN CONDITION	STRUCTURAL FORM	STRUCTURAL INTEGRITY	COMMENTS	EXPECTED CONSTRUCTION IMPACT	PRESERVE OR REMOVE	NOTES IMPACT MITIGATION CONSENT REQUIREMENTS
43	<i>Juglans nigra</i>	Black Walnut	Subject site	35	6	5	good	good	Full form, Virginia creeper climbing trunk	Direct conflict with proposed construction	remove	none
44	<i>Juglans nigra</i>	Black Walnut	Subject site	39, 34	8	5	fair	fair	Multistem 2, fused twising trunks, grown through fence	Direct conflict with proposed construction	remove	none
45	<i>Juglans nigra</i>	Black Walnut	Subject site	31	5	5	good	good	Canopy heavy SW	Direct conflict with proposed construction	remove	none
46	<i>Juglans nigra</i>	Black Walnut	Subject site	38	6	5	good	good	Canopy heavy N	Direct conflict with proposed construction	remove	none
47	<i>Juglans nigra</i>	Black Walnut	Subject site	27	5	5	good	good	Canopy heavy SW	Direct conflict with proposed construction	remove	none
48	<i>Acer saccharinum</i>	Silver Maple	Subject site	72	5	5	fair	fair	Low clustered primary union, 1 leader rotting down into primary union, elevated at base	Direct conflict with proposed construction	remove	none
49	<i>Juglans nigra</i>	Black Walnut	3836 Col Talbot Rd	-15	3	5	fair	good	Low branched	None	preserve	none
50	<i>Acer saccharinum</i>	Silver Maple	Subject site	86	7	4	poor	poor	Significant prunin of scaffold branches, 1 scaffold branch with large cavity, dieback	Direct conflict with proposed construction	remove	none
51	<i>Celtis occidentalis</i>	Hackberry	3836 Col Talbot Rd	11	2	5	fair	good	Trunk pushing on fence, suppressed	No conflict with critical root zone	preserve	tree protection barrier
52	<i>Juglans nigra</i>	Black Walnut	3836 Col Talbot Rd	17	4	5	fair	good	Trunk pushing on fence, suppressed	No conflict with critical root zone	preserve	tree protection barrier
53	<i>Juglans nigra</i>	Black Walnut	Subject site	18	2	5	good	good	Well balanced crown	Direct conflict with proposed construction	remove	none
54	<i>Juglans nigra</i>	Black Walnut	Subject site	13	2	5	fair	good	Diminished leader, Hackberry sapling at base	Nominal conflict with proposed construction	preserve	tree protection barrier
55	<i>Juglans nigra</i>	Black Walnut	Subject site	15	3	5	good	good	1 low scaffold branch	Nominal conflict with proposed construction	preserve	tree protection barrier
56	<i>Juglans nigra</i>	Black Walnut	BOUNDARY - Subject site & 3836 Col Talbot Rd	23	4	5	good	good	1 low scaffold branch	Nominal conflict with proposed construction	preserve	tree protection barrier
57	<i>Juglans nigra</i>	Black Walnut	Subject site	12	3	5	fair	good	Supressed	Nominal conflict with proposed construction	preserve	tree protection barrier
58	<i>Acer saccharinum</i>	Silver Maple	Subject site	57	6	5	fair	fair	Canopy heavy W, codominant leaders	Direct conflict with proposed construction	remove	none
59	<i>Juglans nigra</i>	Black Walnut	Subject site	86	12	5	good	good	Impressive specimen, minor snags	Direct conflict with proposed construction	remove	none
60	<i>Acer saccharinum</i>	Silver Maple	Subject site	-70	5	3	poor	poor	1 of 3 leaders living, 2 previous trunks now rotting stubs, significant cavity near base, canopy heavy S	Direct conflict with proposed construction	remove	none
61	<i>Acer saccharinum</i>	Silver Maple	Subject site	91	7	2	poor	hazard	Significant dead wood, multiple cavities, fungal bodies	Direct conflict with proposed construction	remove	none
62	<i>Malus spp</i>	Apple	Subject site	13	2	5	fair	fair	Suckering	Direct conflict with proposed construction	remove	none
63	<i>Malus spp</i>	Apple	Subject site	38	4	5	fair	fair	DBH taken below typical, low primary union	Direct conflict with proposed construction	remove	none
64	<i>Acer negundo</i>	Manitoba Maple	Subject site	50, 47, 17	12	5	poor	poor	Multistem 3, gnarly base, epicormic growth, loose crown, branched to grade, trunks at 45 and 90 degrees	Direct conflict with proposed construction	remove	none

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65	<i>Morus alba</i>	Mulberry	Subject site	29, 27, 26, 26, 20	6	5	fair	fair	Multistem 5, primary union at grade, included bark at clustered primary union	Direct conflict with proposed construction	remove	none
66	<i>Malus spp</i>	Apple	Subject site	22, 22, 17	4	4	fair	fair	Multistem 3, tight unions, primary union 1m above grade	Direct conflict with proposed construction	remove	none
67	<i>Juglans nigra</i>	Black Walnut	Subject site	23, 18	4	5	good	fair	Multistem 2, codominant leaders with included bark	Direct conflict with proposed construction	remove	none
68	<i>Juglans nigra</i>	Black Walnut	Subject site	27	3	5	good	fair	Codominant leaders with included bark	Direct conflict with proposed construction	remove	none
69	<i>Juglans nigra</i>	Black Walnut	Subject site	18	3	5	good	good	Low branched	Direct conflict with proposed construction	remove	none
70	<i>Juglans nigra</i>	Black Walnut	Subject site	19	3	5	good	good	Low branched	Direct conflict with proposed construction	remove	none
71	<i>Juglans nigra</i>	Black Walnut	Subject site	22, 12	4	5	fair	fair	Multistem 2, fused trunks, primary union just above grade	Direct conflict with proposed construction	remove	none
72	<i>Populus deltoides</i>	Cottonwood	Subject site	36, 36, 34, 21	5	5	good	good	Multistem 4, primary union just above grade	Direct conflict with proposed construction	remove	none
73	<i>Populus deltoides</i>	Cottonwood	BOUNDARY - Subject site & 3836 Col Talbot Rd	34	4	5	good	fair	Surrounded by construction debris, minor trunk wounds, 3 leaders	Direct conflict with proposed construction	remove	Consent from owner of 3836 Col Talbot Rd required
74	<i>Robinia pseudoacacia</i>	Black Locust	Subject site	18, 17, 12	3	5	good	fair	Multistem 3, at base of concrete block wall	Direct conflict with proposed construction	remove	none
75	<i>Populus deltoides</i>	Cottonwood	BOUNDARY - Subject site & 3836 Col Talbot Rd	18	2	5	fair	fair	At base of concrete block wall	Direct conflict with proposed construction	remove	Consent from owner of 3836 Col Talbot Rd required
76	<i>Populus deltoides</i>	Cottonwood	Subject site	18	2	5	fair	fair	At base of concrete block wall	Direct conflict with proposed construction	remove	none
77	<i>Populus deltoides</i>	Cottonwood	Subject site	34, 28, 15, 15	4	5	fair	fair	Multistem 4, included bark at clustered primary union	Direct conflict with proposed construction	remove	none
78	<i>Populus deltoides</i>	Cottonwood	BOUNDARY - Subject site & 3836 Col Talbot Rd	44, 26	4	5	poor	poor	Multistem 2, at base of concrete block wall, growing and bending over wall	Direct conflict with proposed construction	remove	Consent from owner of 3836 Col Talbot Rd required
79	<i>Robinia pseudoacacia</i>	Black Locust	Subject site	20, 14, 13	4	5	fair	fair	Multistem 3	Direct conflict with proposed construction	remove	none
80	<i>Populus deltoides</i>	Cottonwood	Subject site	33, 32, 30	5	5	fair	poor	Multistem 3, included bark and seam at primary union, significant trunk wound and rot at base	Direct conflict with proposed construction	remove	none
81	<i>Ulmus pumila</i>	Siberian Elm	Subject site	22	3	4	poor	poor	Crooky trunk, suppressed	Direct conflict with proposed construction	remove	none
82	<i>Acer negundo</i>	Manitoba Maple	Subject site	29	4	5	fair	fair	1 low scaffold branch, epicormic growth	Direct conflict with proposed construction	remove	none
83	<i>Acer negundo</i>	Manitoba Maple	Subject site	29	4.5	3	poor	poor	Significant crown dieback, epicormic growth	Direct conflict with proposed construction	remove	none
84	<i>Juglans nigra</i>	Black Walnut	Subject site	20	4	5	fair	fair	Suppressed	Direct conflict with proposed construction	remove	none
85	<i>Populus deltoides</i>	Cottonwood	Subject site	31, 26, 16	4.5	5	fair	fair	Multistem 3, primary union at and below grade, canopy heavy SW	Direct conflict with proposed construction	remove	none
86	<i>Populus deltoides</i>	Cottonwood	Subject site	28	3	5	fair	good	Trunk bow at base	Direct conflict with proposed construction	remove	none

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ID #	BOTANICAL NAME	COMMON NAME	LOCATION	DBH (cm)	CANOPY RADIUS (m)	CROWN CONDITION	STRUCTURAL FORM	STRUCTURAL INTEGRITY	COMMENTS	EXPECTED CONSTRUCTION IMPACT	PRESERVE OR REMOVE	NOTES IMPACT MITIGATION CONSENT REQUIREMENTS
87	<i>Populus deltoides</i>	Cottonwood	Subject site	67	5	5	good	good	Low branched, dense crown, epicormic growth	Direct conflict with proposed construction	remove	none
88	<i>Juglans nigra</i>	Black Walnut	Subject site	11	2.5	5	good	good	Full form	Direct conflict with proposed construction	remove	none
89	<i>Prunus spp</i>	Cherry	Subject site	11	2	5	good	good	At top of 1m tall shear drop	Direct conflict with proposed construction	remove	none
90	<i>Acer negundo</i>	Manitoba Maple	Subject site	35	4	5	fair	fair	Lean W, dense crown, codominant leaders	Direct conflict with proposed construction	remove	none
91	<i>Populus deltoides</i>	Cottonwood	Subject site	33, 18	3	4	fair	fair	Multistem 2, tight crotch, dead lower branches	Direct conflict with proposed construction	remove	none
92	<i>Acer negundo</i>	Manitoba Maple	Subject site	24, 24, 9	5	5	fair	fair	Multistem 3, branched to grade, low hangers	Direct conflict with proposed construction	remove	none
93	<i>Acer negundo</i>	Manitoba Maple	Subject site	26	4	4	fair	fair	Snags, scraggy form	Direct conflict with proposed construction	remove	none
94	<i>Acer negundo</i>	Manitoba Maple	Subject site	22, 10	3	2	poor	poor	Multistem 2, mostly dead crown, trunk rot and snags	Direct conflict with proposed construction	remove	none

1.1 VEGETATION UNIT DATA TABLE

The following recommendations are based on requirements of the current site plan. Grey indicates recommended removal.

										EXPECTED CONSTRUCTION IMPACT	PRESERVE OR REMOVE	NOTES IMPACT MITIGATION CONSENT REQUIREMENTS
Vegetation Unit 1												
Within subject site												
Size												
Tree Species		<10cm DBH	11-20cm DBH	21-30cm DBH	31-40cm DBH	41-50cm DBH	51-60cm DBH	61-70cm DBH				
Botanical Name	Common Name	Qty	Qty	Qty	Qty	Qty	Qty	Qty				
Acer negundo	Manitoba Maple				2	2				direct conflict with proposed construction	remove	none
Celtis occidentalis	Hackberry	3										
Juglans nigra	Black Walnut	13	18	4								
Morus alba	Mulberry					1						
Thuja occidentalis	White Cedar	2	3	2								
Additional Notes: Grapevine through, housewares through, overall fair condition												
Vegetation Unit 2												
Within subject site												
Size												
Tree Species		<10cm DBH	11-20cm DBH	21-30cm DBH	31-40cm DBH	41-50cm DBH	51-60cm DBH	61-70cm DBH				
Botanical Name	Common Name	Qty	Qty	Qty	Qty	Qty	Qty	Qty				
Celtis occidentalis	Hackberry		1							direct conflict with proposed construction & expected conflict with site grading	remove	none
Fraxinus spp	Ash	2	2	1	2							
Juglans nigra	Black Walnut	17	10	17	7	1						
Additional Notes: Hedge row very close to property line, overall good condition												
Vegetation Unit 3												
Within subject site												
Size												
Tree Species		<10cm	11-20cm DBH	21-30cm DBH	31-40cm DBH	41-50cm DBH	51-60cm DBH	61-70cm DBH				
										direct conflict with proposed construction	remove	none

Botanical Name	Common Name	DBH							
		Qty	Qty	Qty	Qty	Qty	Qty	Qty	
Acer negundo	Manitoba Maple	3	8	1					
Juglans nigra	Black Walnut	1	3						
Populus deltoides	Cottonwood						1		
Populus tremuloides	Trembling Aspen	11	7	5					
Rhamnus spp	Buckthorn	5	4						
Additional Notes: Japanese Knot Weed, Sumac, and Grapevine observed, full of landscape construction debris, overall fair condition									

Vegetation Unit 4										direct conflict with proposed construction	remove	none
Within subject site												
Botanical Name	Common Name	Size										
		<10cm DBH	11-20cm DBH	21-30cm DBH	31-40cm DBH	41-50cm DBH	51-60cm DBH	61-70cm DBH	Qty			
Acer negundo	Manitoba Maple	2	1	5	5	1						
Juglans nigra	Black Walnut	2	5	1								
Morus alba	Mulberry				1							
Rhamnus spp	Buckthorn	1										
Additional Notes: Sumac observed, entire veg unit on large mound of fill, overall poor to fair condition												

6.0 POTENTIAL CONSTRUCTION IMPACTS ON TREES

Most trees have been recommended for removal due to direct conflict with the proposed development. Some trees that have been recommended for preservation may be in proximity to the proposed construction. Trees to be preserved may be affected by the construction process, or by the construction itself. It is imperative that the design team and the construction crew understand the potential for, and the causes of tree damage. Trees recommended for preservation may experience some or all of the following potential construction impacts. Strategies and methods to avoid these impacts are outlined in the Construction Impact Mitigation Recommendations section of this report.

6.1 SOIL COMPACTION

Soil compaction is caused by heavy or repeated compression or vibration of the soil around the tree. Soil compaction reduces the amount and size of macro and micro pore space that is vital for subsurface movement of air and water. The harmful effects of soil compaction include, but are not limited to: slower water infiltration, poor aeration, reduced root growth and an overall increased susceptibility to biotic and abiotic stressors.

6.2 ROOT LOSS

Root loss occurs when roots are severed. The majority of roots are typically located within the top 60cm of soil and can extend outward up to three times the extent of the tree drip line. Excavation of any kind within the critical root zone* can sever roots. Two categories of roots need to be considered when evaluating impacts of root loss - small, fibrous absorbing roots, and large structural roots. Significant loss of either or both of these functions can cause stress and/or affect the structural stability of the tree. Note, however, that it is commonly accepted that healthy trees can typically tolerate and recover from the removal of approximately 33% (up to a maximum of 50%) of their root mass. Thorough consideration regarding extent of acceptable root

removal is dependent on individual species characteristics, root loss distribution, and site specific conditions (*ref. Trees and Development: A Technical Guide to Preservation of Trees During Land Development by Nelda Matheny and James R. Clark, 1998. Pg 72*).

* Refer to 'Critical Root Zones' in this report for definition.

6.3 GRADE CHANGES

Lowering of the grade around trees has immediate and long term effects on trees. Lowering of grade requires immediate root loss from cutting the roots which results in water stress from the root removal and potential reduced structural stability.

Raising the grade around a tree can be equally damaging. The addition of fill over the root zone of a tree alters the roots' ability for normal water and gas exchange that is necessary for healthy root growth and stability. Fill essentially suffocates the roots and can lead to the slow and eventual decline of the tree.

6.4 MECHANICAL DAMAGE

Mechanical damage is caused by physical contact with a tree that damages the tree to any degree. During land development and construction activities, there is an increased risk of both minor and fatal mechanical damage to trees from construction equipment. Minor damage can create entry points for insects and pathogens, and fatal damage can cause irreparable structural damage.

6.5 CHANGES TO EXPOSURE - SUN AND WIND

Trees can be negatively affected by increased exposure to sun or wind when neighbouring trees are removed. This can be of particular concern when 'interior trees' (trees that have developed surrounded by other trees) are suddenly exposed to forest edge conditions. These trees may experience higher intensity of direct sunlight resulting in leaf scald, and instability due to increased wind and snow loads.

Trees can be negatively affected by decreased exposure to sunlight. Proposed development that includes tall buildings located to the south and west of mature existing trees can greatly reduce the amount of daily direct sunlight. While this change in environment may not cause the immediate or eventual death of a tree, it can certainly slow development and alter growing habits and patterns, and must therefore be a consideration when evaluating trees for potential preservation.

6.6 SOIL CONTAMINATION

Soil health around a tree can be compromised by contamination from spills or leaks of fuels, solvents, or other construction related fluids.

6.7 WATER AVAILABILITY

Grading and servicing requirements for development can affect water availability for trees. Trees may experience a loss of available water due to a lowered water table or the capture or redirection of subsurface and/or overland flow. Conversely, trees may

experience an increase of available water due to changes in site grading and storm water retention efforts.

The successful survival of the trees to be preserved is largely dependent on adhering to the construction impact mitigation recommendations that follow.

7.0 CONSTRUCTION IMPACT MITIGATION RECOMMENDATIONS

The following general recommendations are provided to guide the removal process, mitigate construction impacts, and ensure compliance with provincial, federal, and municipal regulatory requirements. Some of the recommendations listed below are noted to be undertaken by an ISA certified arborist.

7.1 PRE-CONSTRUCTION RECOMMENDATIONS

- a) Prior to any construction activity, tree preservation fencing is to be installed as per the attached tree preservation drawings and detail.
- b) Trees approved for removal are to be clearly indicated in the field (marked with spray paint or other agreed upon method) by the project arborist or landscape architect prior to any tree removal operations. All removals to be undertaken by an ISA certified arborist.
- c) In accordance with the Migratory Birds Convention Act, 1994, all removals must take place between September 1st and March 31st to avoid disturbing nesting migratory birds. If tree removal occurs between April 1st and August 31st, a biologist is required to complete a search for nests. Once cleared, the contractor has 48 hours to remove. If removal does not occur within 48 hours, another search will be required.
- d) Care should be taken during the felling operation to avoid damaging the branches, stems, trunks, and roots of nearby trees to be preserved. Where possible, all trees are to be felled towards the construction zone to minimize impacts on adjacent vegetation. All removals to be undertaken by an ISA certified arborist.
- e) It is recommended that the existing ground-layer vegetation at the base of trees to be preserved remain intact within the critical root zone so as not to disturb the soil around the base of the existing trees.
- f) Final site grading plans should ensure that the existing soil moisture conditions are maintained.

7.2 RECOMMENDATIONS RELATED TO THE CONSTRUCTION PROCESS

- a) Tree preservation fencing is to be maintained in good condition and effective for the duration of construction until all construction activity is complete or as per the project arborist or landscape architect.
- b) Tree preservation fencing is to remain intact as per the tree preservation drawings, and can only be temporarily removed with the express written consent from the project arborist or landscape architect. Should tree preservation fencing be temporarily relocated or moved, it is to be reinstated as per the tree preservation plans as soon as possible.

- c) No construction, excavation, adding of fill, stockpiling of construction material, or heavy equipment is permitted within the critical root zone/within the tree preservation fencing.
- d) When excavation near a tree is required, and it is anticipated that roots will be severed and exposed, duration of exposure is to be minimized to prevent root desiccation.
- e) During the excavation process, roots 25mm or larger that are severed and exposed should be hand pruned to leave a clean-cut surface. To be undertaken by an ISA certified arborist. Exposed severed roots that cannot be covered in soil on the same day as the cuts are made are to be kept moist. Exposed roots are to be kept moist by covering them with water soaked burlap or any other means available to prevent them from drying out.
- f) Avoid idling heavy equipment under or within close proximity to trees to be preserved to prevent canopy damage from exposure to the heat of the exhaust.
- g) Broken branches on trees within the subject site to be preserved should be cleanly cut as soon as possible after the damage has occurred. To be undertaken by an ISA certified arborist.

7.3 POST-CONSTRUCTION RECOMMENDATIONS

- a) Avoid discharging rain water leaders adjacent to retained trees, as this may result in an overly moist environment which can cause root rot.
- b) After all work is completed, tree preservation fences and any other impact mitigation paraphernalia must be removed.
- c) A final review must be undertaken by the project arborist or landscape architect to ensure that all mitigation measures as described above have been met.

8.0 DISCLAIMER

The assessment of the trees presented within this report has been made using accepted arboricultural techniques. These include a visual examination of the above-ground parts of each tree for structural defects, scars, external indications of decay, evidence of insect presence, discoloured foliage, the general condition of the trees and the surrounding site, as well as the proximity of property and people. None of the trees examined were dissected, cored, probed, or climbed, and detailed root crown examinations involving excavation were not undertaken.

Notwithstanding the recommendations and conclusions made in this report, it must be realized that trees are living organisms and their health and vigour is constantly changing. They are not immune to changes in site conditions or seasonal variations in the weather.

While reasonable efforts have been made to ensure the trees recommended for retention are healthy, no guarantees are offered or implied, that these trees or any part of them will remain standing.

Note that this arborist report has been prepared using the latest drawings and information provided by the client. Any subsequent design or site plan changes

affecting trees may require revisions to this report. Any new information or drawings are to be provided to RKLA prior to report submission to planning authorities.

9.0 CONTACT INFORMATION

Office:

Ron Koudys Landscape Architects Inc.

368 Oxford Street East

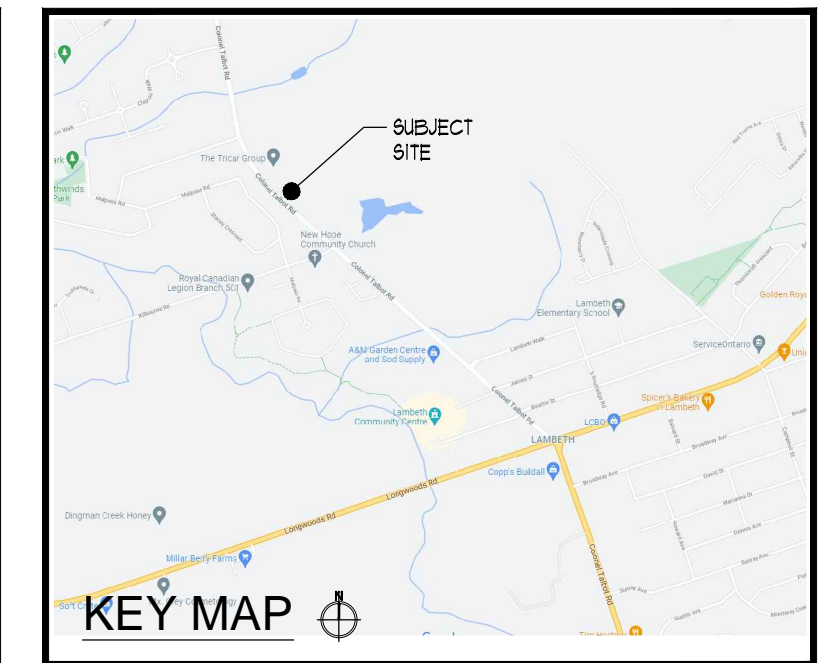
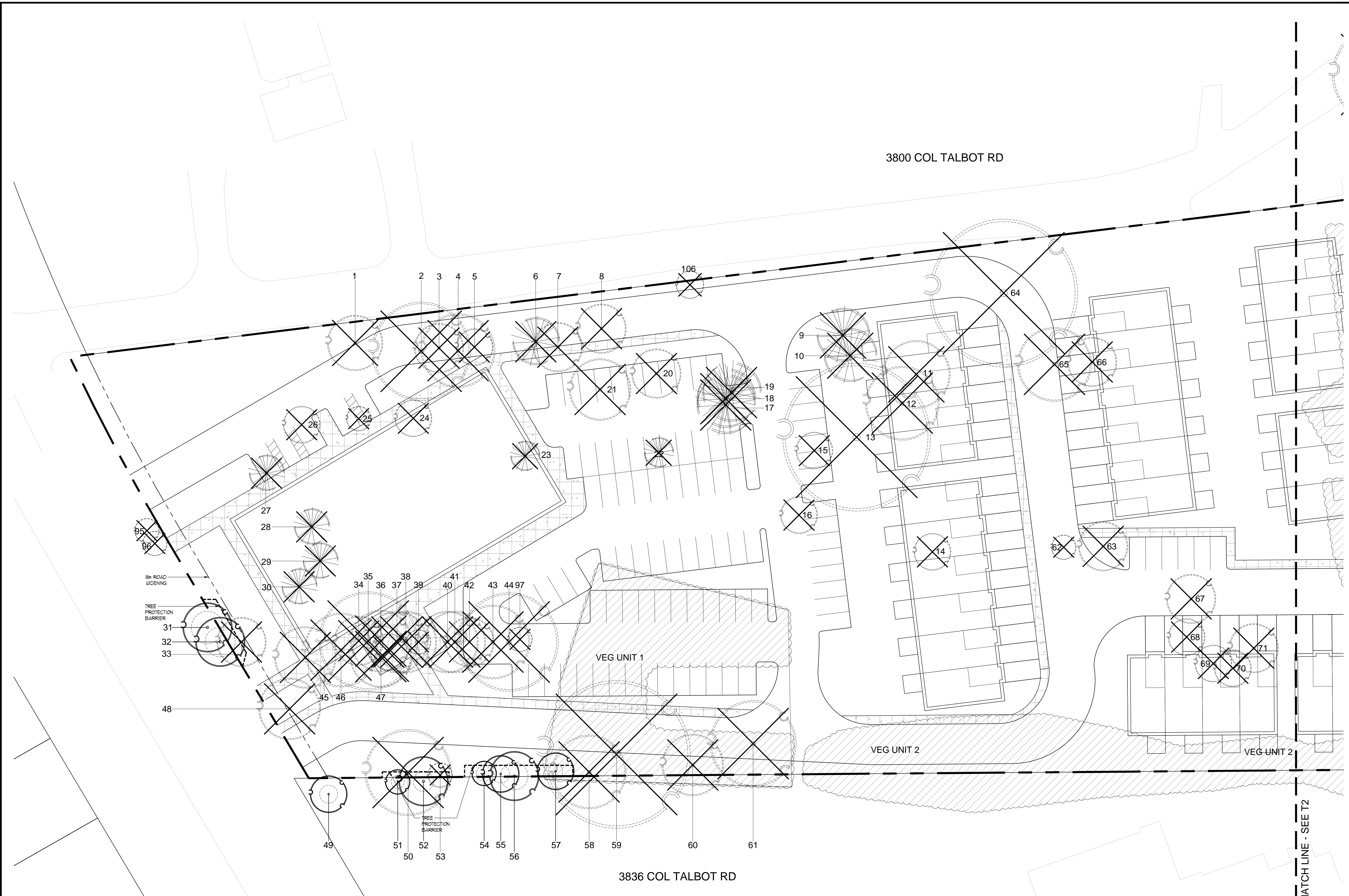
London, Ontario

N6A 1V7

Ph: 519-667-3322

Fax: 519-645-2474

10.0 APPENDIX A - TREE PRESERVATION DRAWINGS



ALL DRAWINGS REMAIN THE PROPERTY OF THE LANDSCAPE ARCHITECT AND SHALL NOT BE REPRODUCED OR REUSED WITHOUT THE LANDSCAPE ARCHITECTS WRITTEN PERMISSION.

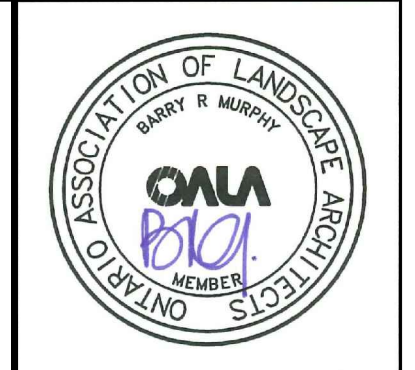
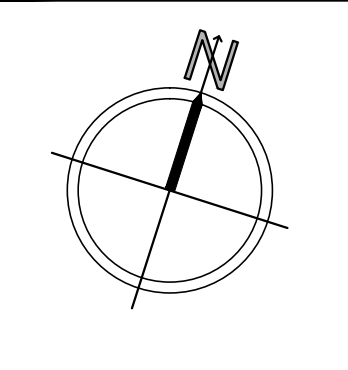
THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION OR TENDER PURPOSES UNLESS SIGNED AND DATED BY BARRY R. MURPHY, O.A.L.A. C.S.L.A. LANDSCAPE ARCHITECT, LONDON, ONTARIO (519) 667-3322.



Barry R. Murphy, O.A.L.A. C.S.L.A. DATE

DATE	DESCRIPTION	No.
FEB2423	ISSUED FOR ZBA	4.
OCT2821	ISSUED FOR PRESENTATION	3.
OCT2821	ISSUED FOR REVIEW	2.
OCT1821	ISSUED FOR REVIEW	1.

PLOTTING INFORMATION:
 PLOTTED DATE + FEB2423
 PLOTTED SCALE + 1:1



PROJECT TITLE:
PROPOSED RESIDENTIAL
 3810-3814 TALBOT ROAD
 LONDON, ONTARIO

DRAWING TITLE:
TREE PRESERVATION PLAN

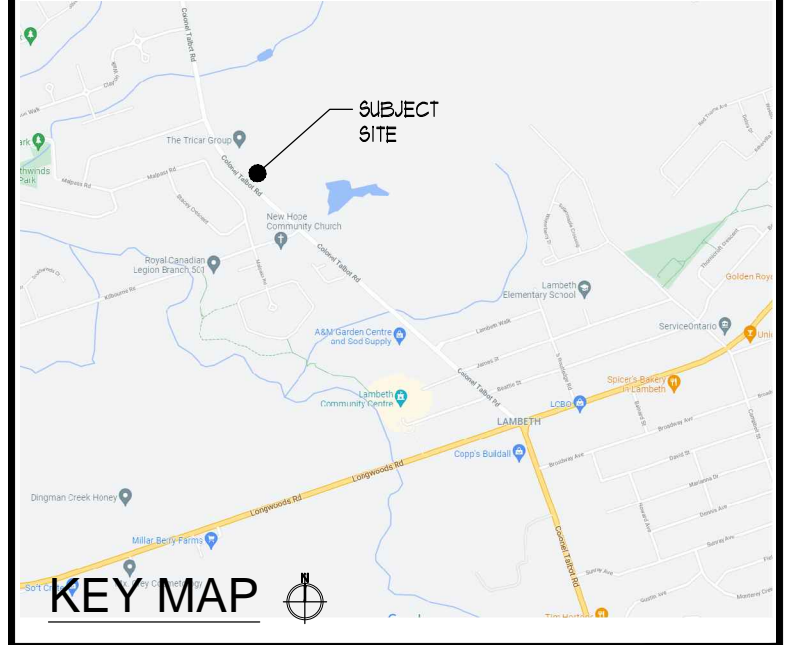
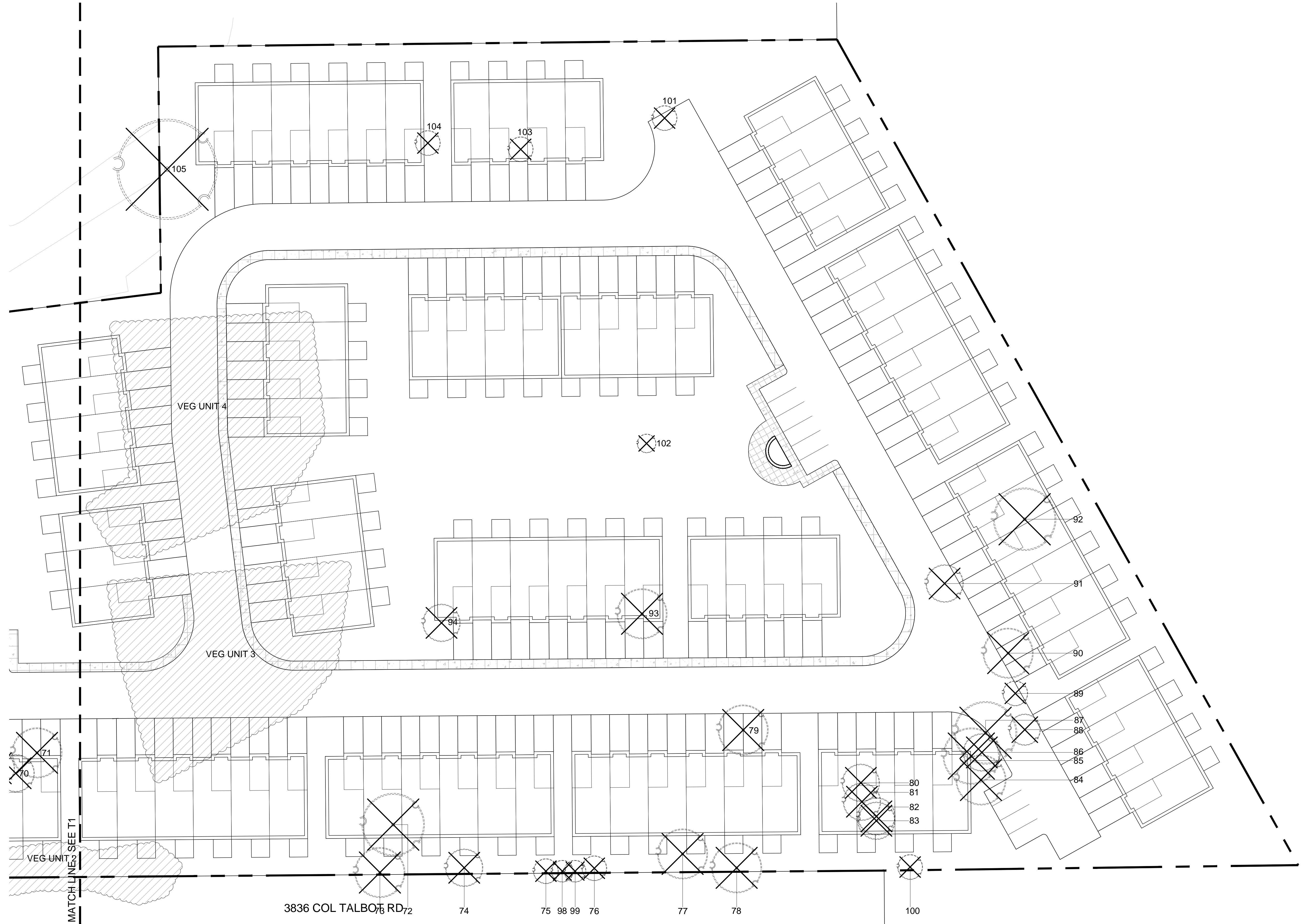
DATE: OCTOBER 2021	SCALE: AS NOTED	DRAWING No. T-1
DRAWN: RRLA Inc.	CHECKED BY: B.R.M.	PROJECT No. 21-260Lf

TREE PRESERVATION PLAN
 SCALE = 1:300

REFER TO TREE ASSESSMENT REPORT, DRAWING T2 & T3 FOR ADDITIONAL INFORMATION

LEGEND

5	EXISTING DECIDUOUS TREES TO REMAIN SEE NUMBER	6	EXISTING CONIFEROUS TREES TO REMAIN SEE NUMBER	7	EXISTING PLANTINGS TO REMAIN	8	TREE PROTECTION BARRIER - SEE T3 FOR DETAIL
8	EXISTING DECIDUOUS TREES TO BE REMOVED SEE NUMBER	9	EXISTING CONIFEROUS TREES TO BE REMOVED SEE NUMBER	10	EXISTING PLANTINGS TO BE REMOVED	11	CRITICAL ROOT ZONE - 10cm RAD/L6 PER LCM DBH



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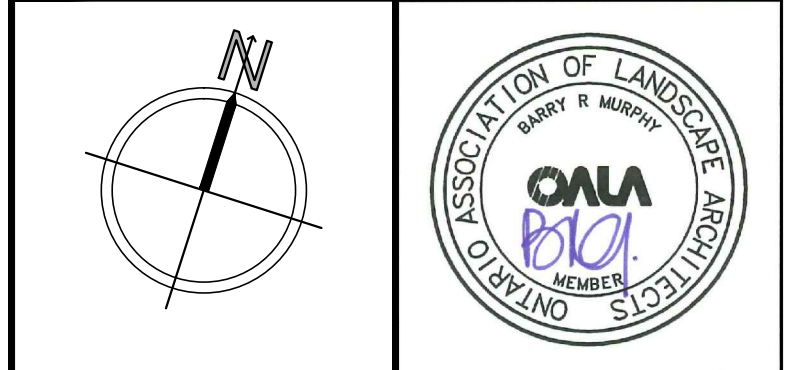
THIS DRAWING SHALL NOT BE USED FOR CONSTRUCTION OR TENDER PURPOSES UNLESS SIGNED AND DATED BY BARRY R. MURPHY, O.A.L.A. C.S.L.A., LANDSCAPE ARCHITECT, LONDON, ONTARIO (519) 667-3322.



Barry R. Murphy, O.A.L.A. C.S.L.A. DATE

DATE	DESCRIPTION	No.
FEB2423	ISSUED FOR ZBA	4.
OCT2821	ISSUED FOR PRESENTATION	3.
OCT2821	ISSUED FOR REVIEW	2.
OCT1921	ISSUED FOR REVIEW	1.

PLOTTING INFORMATION:
 PLOTTED DATE = FEB2423
 PLOTTED SCALE = 1:1



PROJECT TITLE:
PROPOSED RESIDENTIAL
 3810-3814 TALBOT ROAD
 LONDON, ONTARIO

DRAWING TITLE:
TREE PRESERVATION PLAN

DATE: OCTOBER 2021	SCALE: AS NOTED	DRAWING No. T-2
DRAWN: RRLA Inc.	CHECKED BY: B.R.M.	
PROJECT No. 21-260Lf		

TREE PRESERVATION PLAN
 SCALE = 1:300

REFER TO TREE ASSESSMENT REPORT, DRAWING T1 & T3 FOR ADDITIONAL INFORMATION

LEGEND

5	EXISTING DECIDUOUS TREES TO REMAIN TREE NUMBER	6	EXISTING CONIFEROUS TREES TO REMAIN TREE NUMBER	7	EXISTING PLANTINGS TO REMAIN	8	TREE PROTECTION BARRIER - SEE T3 FOR DETAIL
8	EXISTING DECIDUOUS TREES TO BE REMOVED TREE NUMBER	9	EXISTING CONIFEROUS TREES TO BE REMOVED TREE NUMBER	10	EXISTING PLANTINGS TO BE REMOVED	11	CRITICAL ROOT ZONE - 10cm RADIUS PER 1cm DBH

TREES RECOMMENDED FOR REMOVAL (97 TREES)

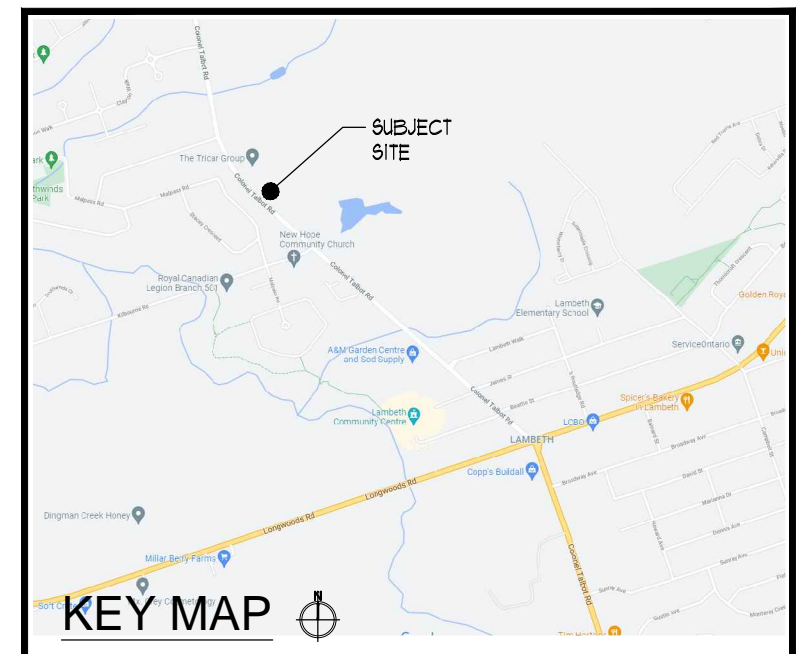
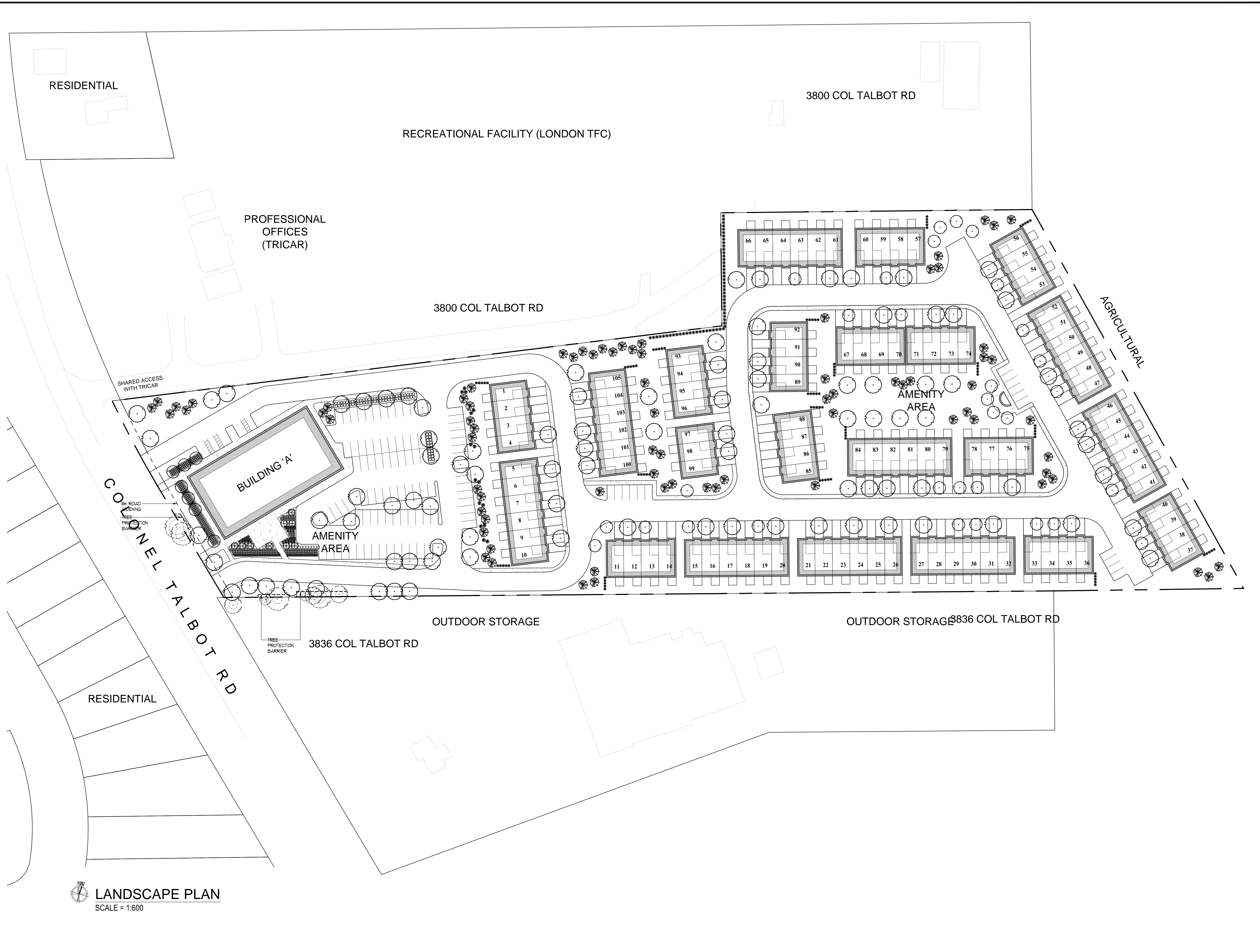
GENERAL INFORMATION		SIZE	HEALTH & CONDITION		RECOMMENDATIONS	NOTES				
ID #	BOTANICAL NAME COMMON NAME	LOCATION	Diameter (cm)	Height (m)	Structural Integrity	Health / Decay	Expected Construction Impact	Preserve or Remove	Impact Mitigation / Consent Requirements	
1	<i>Acer spicatum</i> Manitoba Maple	Subject site	6, 12, 19, 5, 8, 7	4.5	5	fair	Multistem, primary union at grade, irregular base, minor deadwood	Direct conflict with proposed construction	remove	none
2	<i>Populus deltoides</i> Cottonwood	Subject site	57	8	5	good	Minor epicormic growth, low branched, uneven grade at base	Direct conflict with proposed construction	remove	none
3	<i>Populus deltoides</i> Cottonwood	Subject site	38.2	4	5	fair	Multistem, 2, top branches dead, primary union below grade, uneven ground at base	Direct conflict with proposed construction	remove	none
4	<i>Populus deltoides</i> Cottonwood	Subject site	54	6	5	fair	Minor dead lower branches, uneven grade at base	Direct conflict with proposed construction	remove	none
5	<i>Acer saccharum</i> Silver Maple	Subject site	25	3	5	fair	Wetwood, 1 low subset form part of canopy, uneven grade at base	Direct conflict with proposed construction	remove	none
6	<i>Artemisia canescens</i> Red Cedar	Subject site	27, 19, 9	4	5	good	Multistem 3, branched to grade	Direct conflict with proposed construction	remove	none
7	<i>Agilops nigra</i> Black Walnut	Subject site	15	4	5	fair	Emerging from base of tree #5, suppressed	Direct conflict with proposed construction	remove	none
8	<i>Acer spicatum</i> Manitoba Maple	Subject site	40, 16, 10	4	5	fair	Multistem 2, primary union at and below grade, epicormic growth	Direct conflict with proposed construction	remove	none
9	<i>Thuja occidentalis</i> Blue Cedar	Subject site	56	4.5	5	fair	Significant lean and bow SW, dead wood	Direct conflict with proposed construction	remove	none
10	<i>Thuja occidentalis</i> Blue Cedar	Subject site	70, 4	4.5	5	good	Primary union below grade	Direct conflict with proposed construction	remove	none
11	<i>Prunus sp.</i> Cherry	Subject site	41, 35, 28	5.5	5	fair	Multistem 3, broad crown, low branched, wide leaf trunk bases	Direct conflict with proposed construction	remove	none
12	<i>Populus deltoides</i> Cottonwood	Subject site	71	6	5	good	Wetwood crown	Direct conflict with proposed construction	remove	none
13	<i>Acer saccharum</i> Silver Maple	Subject site	-10	12	5	good	low primary union, massive specimen	Direct conflict with proposed construction	remove	none
14	<i>Prunus sp.</i> Cherry	Subject site	29, 21	3	5	good	Multistem 2, DBH measured below primary union, reduced bark at primary union, low branched	Direct conflict with proposed construction	remove	none
15	<i>Malus sp.</i> Malus	Subject site	20	4	5	fair	Wetwood and strap	Direct conflict with proposed construction	remove	none
16	<i>Acer fraxinifolium</i> Freeman Maple	Subject site	9.7	3	5	fair	Multistem 2, primary union below grade, crown lumps	Direct conflict with proposed construction	remove	none
17	<i>Pinus strobus</i> White Pine	Subject site	45	5	5	good	limbed up DM, large like shrub understory trees 17, B & B heavily leaning at grade	Direct conflict with proposed construction	remove	none
18	<i>Pinus strobus</i> White Pine	Subject site	61	5	5	good	limbed up DM, large like shrub understory trees 17, B & B heavily leaning at grade	Direct conflict with proposed construction	remove	none
19	<i>Pinus strobus</i> White Pine	Subject site	57	5	5	good	limbed up DM, large like shrub understory trees 17, B & B heavily leaning at grade	Direct conflict with proposed construction	remove	none
20	<i>Acer saccharum</i> Silver Maple	Subject site	65	4	5	fair	Deadwood and strap	Direct conflict with proposed construction	remove	none
21	<i>Agilops nigra</i> Black Walnut	Subject site	50	5	5	good	Sealed trunk seam, full form	Direct conflict with proposed construction	remove	none
22	<i>Populus nigra</i> Colorado Blue Spruce	Subject site	-25	2.5	5	excellent	branched to grade, full form	Direct conflict with proposed construction	remove	none
23	<i>Populus nigra</i> Norway Spruce	Subject site	-20	2.5	5	good	branched to grade, full form	Direct conflict with proposed construction	remove	none
24	<i>Acer saccharum</i> Sugar Maple	Subject site	21	3	5	excellent	low branched, full form	Direct conflict with proposed construction	remove	none
25	<i>Acer saccharum</i> Sugar Maple	Subject site	11	2	5	good	well balanced crown	Direct conflict with proposed construction	remove	none
26	<i>Acer saccharum</i> Sugar Maple	Subject site	23	3	5	good	low branched	Direct conflict with proposed construction	remove	none
27	<i>Pinus strobus</i> Norway Spruce	Subject site	-40	3	5	excellent	branched to grade, minor girdle ring into crown, full form	Direct conflict with proposed construction	remove	none
28	<i>Pinus strobus</i> Norway Spruce	Subject site	-35	3	5	excellent	branched to grade, full form	Direct conflict with proposed construction	remove	none
29	<i>Pinus strobus</i> Norway Spruce	Subject site	15	3	5	good	branched to grade, sparse crown	Direct conflict with proposed construction	remove	none
30	<i>Pinus strobus</i> Norway Spruce	Subject site	25	3	5	good	branched to grade, sparse crown	Direct conflict with proposed construction	remove	none
31	<i>Agilops nigra</i> Black Walnut	Subject site	27	4	5	good	low branched	Direct conflict with proposed construction	remove	none
32	<i>Agilops nigra</i> Black Walnut	Subject site	40	4	5	good	Carony heavy N	Direct conflict with proposed construction	remove	none
33	<i>Agilops nigra</i> Black Walnut	Subject site	15	8	5	good	Carony heavy N suppressed	Direct conflict with proposed construction	remove	none
34	<i>Agilops nigra</i> Black Walnut	Subject site	25	5	5	good	Carony heavy N	Direct conflict with proposed construction	remove	none
35	<i>Agilops nigra</i> Black Walnut	Subject site	20	5	5	good	Carony heavy N	Direct conflict with proposed construction	remove	none
36	<i>Agilops nigra</i> Black Walnut	Subject site	33	5	5	good	Carony heavy N Virginia creeper climbing trunk	Direct conflict with proposed construction	remove	none
37	<i>Agilops nigra</i> Black Walnut	Subject site	17	2	5	good	Carony heavy N	Direct conflict with proposed construction	remove	none
38	<i>Agilops nigra</i> Black Walnut	Subject site	26	5	5	good	Carony heavy N Virginia creeper climbing trunk	Direct conflict with proposed construction	remove	none
39	<i>Agilops nigra</i> Black Walnut	Subject site	26	5	5	good	Carony heavy N Virginia creeper climbing trunk	Direct conflict with proposed construction	remove	none
40	<i>Agilops nigra</i> Black Walnut	Subject site	15	4	5	fair	Trunk bare, Virginia creeper climbing trunk	Direct conflict with proposed construction	remove	none
41	<i>Agilops nigra</i> Black Walnut	Subject site	35	6	5	good	Full form, Virginia creeper climbing trunk	Direct conflict with proposed construction	remove	none
42	<i>Agilops nigra</i> Black Walnut	Subject site	39.34	8	5	fair	Multistem 2, fused leaning trunks, grown through fence	Direct conflict with proposed construction	remove	none
43	<i>Agilops nigra</i> Black Walnut	Subject site	31	5	5	good	Carony heavy SW	Direct conflict with proposed construction	remove	none
44	<i>Agilops nigra</i> Black Walnut	Subject site	37	6	5	good	Carony heavy SW	Direct conflict with proposed construction	remove	none
45	<i>Agilops nigra</i> Black Walnut	Subject site	28	5	5	good	Carony heavy SW	Direct conflict with proposed construction	remove	none
46	<i>Acer saccharum</i> Silver Maple	Subject site	72	5	5	fair	low clustered primary union, leader coming down into primary union, reduced at base	Direct conflict with proposed construction	remove	none
47	<i>Acer saccharum</i> Silver Maple	Subject site	86	7	4	poor	Significant portion of scaffold branches, 1 scaffold branch with large cavity, dead oak	Direct conflict with proposed construction	remove	none
48	<i>Agilops nigra</i> Black Walnut	Subject site	18	2	5	good	Well balanced crown	Direct conflict with proposed construction	remove	none
49	<i>Acer saccharum</i> Silver Maple	Subject site	57	6	5	fair	Carony heavy W, columnar leaders	Direct conflict with proposed construction	remove	none
50	<i>Agilops nigra</i> Black Walnut	Subject site	86	12	5	good	Impressive specimen, minor straps	Direct conflict with proposed construction	remove	none
51	<i>Acer saccharum</i> Silver Maple	Subject site	-10	5	3	poor	1 of 3 leaders living, 2 previous trunks now stone stubs, significant cavity near base, carony heavy S	Direct conflict with proposed construction	remove	none
52	<i>Acer saccharum</i> Silver Maple	Subject site	91	7	2	poor	significant dead wood, multiple cavities, fungal bodies	Direct conflict with proposed construction	remove	none
53	<i>Malus sp.</i> Apple	Subject site	15	2	5	fair	Swelling	Direct conflict with proposed construction	remove	none
54	<i>Malus sp.</i> Apple	Subject site	38	4	5	fair	DBH taken below typical, low primary union	Direct conflict with proposed construction	remove	none
55	<i>Acer spicatum</i> Manitoba Maple	Subject site	50, 47, 10	12	5	poor	Multistem 3, primary union, epicormic growth, loose crown, branched to grade, trunks at 6 and 90 degrees	Direct conflict with proposed construction	remove	none
56	<i>Malus sp.</i> Malus	Subject site	25, 27, 26, 26, 29	6	5	fair	Multistem 3, primary union at grade, reduced bark at clustered primary union	Direct conflict with proposed construction	remove	none
57	<i>Agilops nigra</i> Black Walnut	Subject site	22, 21	4	4	fair	Multistem 1, tight union, primary union 1m above grade	Direct conflict with proposed construction	remove	none
58	<i>Agilops nigra</i> Black Walnut	Subject site	25, 19	4	5	good	Multistem 2, dominant leaders with reduced bark	Direct conflict with proposed construction	remove	none

TREES RECOMMENDED FOR PRESERVATION (9 TREES)

GENERAL INFORMATION		SIZE	HEALTH & CONDITION		RECOMMENDATIONS	NOTES				
ID #	BOTANICAL NAME COMMON NAME	LOCATION	Diameter (cm)	Height (m)	Structural Integrity	Health / Decay	Expected Construction Impact	Preserve or Remove	Impact Mitigation / Consent Requirements	
59	<i>Agilops nigra</i> Black Walnut	Subject site	27	3	5	good	low branched	Direct conflict with proposed construction	remove	none
60	<i>Agilops nigra</i> Black Walnut	Subject site	25	4	5	good	low branched	Direct conflict with proposed construction	remove	none
61	<i>Thuja occidentalis</i> Blue Cedar	Subject site	8	3	5	fair	low branched	Direct conflict with proposed construction	remove	none
62	<i>Thuja occidentalis</i> Blue Cedar	Subject site	11	2	5	fair	Trunk rubbing on fence, suppressed	Direct conflict with proposed construction	remove	none
63	<i>Agilops nigra</i> Black Walnut	Subject site	15	2	5	good	Trunk rubbing on fence, suppressed	Direct conflict with proposed construction	remove	none
64	<i>Agilops nigra</i> Black Walnut	Subject site	15	2	5	good	Diminished leader, Hackberry's sapling at base	Direct conflict with proposed construction	remove	none
65	<i>Agilops nigra</i> Black Walnut	Subject site	16	3	5	good	low scaffold to arch	Direct conflict with proposed construction	remove	none
66	<i>Agilops nigra</i> Black Walnut	Subject site	23	4	5	good	low scaffold to arch	Direct conflict with proposed construction	remove	none
67	<i>Agilops nigra</i> Black Walnut	Subject site	12	3	5	fair	suppressed	Direct conflict with proposed construction	remove	none

VEGETATION UNITS RECOMMENDED FOR REMOVAL (4)

GENERAL INFORMATION		SIZE	HEALTH & CONDITION		RECOMMENDATIONS	NOTES				
ID #	BOTANICAL NAME COMMON NAME	LOCATION	Diameter (cm)	Height (m)	Structural Integrity	Health / Decay	Expected Construction Impact	Preserve or Remove	Impact Mitigation / Consent Requirements	
68	<i>Agilops nigra</i> Black Walnut	Subject site	27	3	5	good	firm leader with included bark	Direct conflict with proposed construction	remove	none
69	<i>Agilops nigra</i> Black Walnut	Subject site	18	3	5	good	low branched	Direct conflict with proposed construction	remove	none
70	<i>Agilops nigra</i> Black Walnut	Subject site	19	3	5	good	low branched	Direct conflict with proposed construction	remove	none
71	<i>Agilops nigra</i> Black Walnut	Subject site	22.12	4	5	fair	Multistem 2, fused trunks, primary union just above grade	Direct conflict with proposed construction	remove	none
72	<i>Populus deltoides</i> Cottonwood	Subject site	36, 36, 34, 21	5	5	good	Multistem 4, primary union just above grade	Direct conflict with proposed construction	remove	none
73	<i>Populus deltoides</i> Cottonwood	BOUNDARY - Subject site & 3856 Col Talbot Rd	34	4	5	good	Surrounded by construction debris, minor trunk wounds, 3 leaders	Direct conflict with proposed construction	remove	Consent from owner of 3856 Col Talbot Rd required
74	<i>Rubus cuneifolius</i> Black Locust	Subject site	18, 17, 12	3	5	good	Multistem 3, at base of concrete block wall	Direct conflict with proposed construction	remove	none
75	<i>Populus deltoides</i> Cottonwood	BOUNDARY - Subject site & 3856 Col Talbot Rd	18	2	5	fair	At base of concrete block wall	Direct conflict with proposed construction	remove	Consent from owner of 3856 Col Talbot Rd required
76	<i>Populus deltoides</i> Cottonwood	Subject site	18	2	5	fair	At base of concrete block wall	Direct conflict with proposed construction	remove	none
77	<i>Populus deltoides</i> Cottonwood	Subject site	54, 28, 16, 5	4	5	fair	Multistem 4, included bark at clustered primary union	Direct conflict with proposed construction	remove	none
78	<i>Populus deltoides</i> Cottonwood	BOUNDARY - Subject site & 3856 Col Talbot Rd	44, 26	4	5	poor	Multistem 2, at base of concrete block wall, growing and bending over wall	Direct conflict with proposed construction	remove	Consent from owner of 3856 Col Talbot Rd required
79	<i>Rubus cuneifolius</i> Black Locust	Subject site	20, 14, 15	4	5	fair	Multistem 3	Direct conflict with proposed construction	remove	none
80	<i>Populus deltoides</i> Cottonwood	Subject site	33, 32, 30	5	5	fair	Multistem 3, included bark and seam at primary union, significant trunk wound and rot at base	Direct conflict with proposed construction	remove	none
81	<i>Ulmus pumila</i> Siberian Elm	Subject site	22	3	4	poor	Cracky trunk, suppressed	Direct conflict with proposed construction	remove	none
82	<i>Acer spicatum</i> Manitoba Maple	Subject site	29	4	5	fair	low scaffold branch, epicormic growth	Direct conflict with proposed construction	remove	none
83	<i>Acer spicatum</i> Manitoba Maple	Subject site	29	4.5	3	poor	significant crown dieback, epicormic growth	Direct conflict with proposed construction	remove	none
84	<i>Agilops nigra</i> Black Walnut	Subject site	20	4	5	fair	Suppressed	Direct conflict with proposed construction	remove	none
85	<i>Populus deltoides</i> Cottonwood	Subject site	31, 26, 16, 4.5	5	5	fair	Multistem 3, primary union at and below grade, canopy heavy SW	Direct conflict with proposed construction	remove	none
86	<i>Populus deltoides</i> Cottonwood	Subject site	28	3	5	fair	Trunk bow at base	Direct conflict with proposed construction	remove	none
87	<i>Populus deltoides</i> Cottonwood	Subject site	67	5	5	good	low branched, dense crown, epicormic growth	Direct conflict with proposed construction	remove	none
88	<i>Agilops nigra</i> Black Walnut	Subject site	11	2.5	5	good	Full form	Direct conflict with proposed construction	remove	none
89	<i>Prunus sp.</i> Cherry	Subject site	11	2	5	good	at top of 1m tall shear drop	Direct conflict with proposed construction	remove	none
90	<i>Acer spicatum</i> Manitoba Maple	Subject site	35	4	5	fair	lean W, dense crown, columnar leaders	Direct conflict with proposed construction	remove	none
91	<i>Populus deltoides</i> Cottonwood	Subject site	33, 18	4	5	fair	Multistem 2, light crown, dead low branches	Direct conflict with proposed construction	remove	none
92	<i>Acer spicatum</i> Manitoba Maple	Subject site	24, 24, 9	5	5	fair	Multistem 3, branched to grade, low hangers	Direct conflict with proposed construction	remove	none
93	<i>Acer spicatum</i> Manitoba Maple	Subject site	26	4	4	fair	Straps, straggly form	Direct conflict with proposed construction	remove	none
94	<i>Acer spicatum</i> Manitoba Maple	Subject site	22, 10	3	2	poor	Multistem 2, mostly dead crown, trunk rot and straps	Direct conflict with proposed construction	remove	none
95	<i>Agilops nigra</i> Black Walnut	City ROW Colonel Talbot	20	2	5	fair	good primary union	Direct conflict with proposed construction	remove	none
96	<i>Agilops nigra</i> Black Walnut	City ROW Colonel Talbot	18	2	5	fair	good primary union	Direct conflict with proposed construction	remove	none
97	<i>Agilops nigra</i> Black Walnut	Subject site	10	2	5	good	good	Direct conflict with proposed construction	remove	none
98	<i>Populus deltoides</i> Cottonwood	Subject site	10	2.5	5	fair	Good beside old concrete blocks	Direct conflict with proposed construction	remove	none
99	<i>Populus deltoides</i> Cottonwood	Subject site	12	2.5	5	fair	Good beside old concrete blocks	Direct conflict with proposed construction	remove	none
100	<i>Agilops nigra</i> Black Walnut	Subject site	12	1.5	5	good	good	Direct conflict with proposed construction	remove	none
101	<i>Prunus sp.</i> Cherry	Subject site	15, 11	2	4	poor	columnar leaders, one trunk ragged at base, trunk cavity forming	Direct conflict		

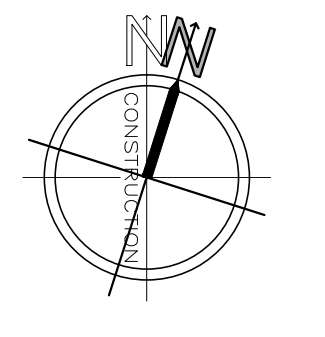


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Barry R. Murphy, O.A.L.A. C.S.L.A. DATE

DATE	DESCRIPTION	No.
FEB2423	ISSUED FOR ZBA	4.
OCT2821	ISSUED FOR PRESENTATION	3.
OCT2821	ISSUED FOR REVIEW	2.
OCT1821	ISSUED FOR REVIEW	1.

PLOTTING INFORMATION:
 PLOTTED DATE + FEB2423
 PLOTTED SCALE + 1:1



PROJECT TITLE:
PROPOSED RESIDENTIAL
 3810-3814 TALBOT ROAD
 LONDON, ONTARIO

DRAWING TITLE:
LANDSCAPE PLAN

DATE: OCTOBER 2021	SCALE: AS NOTED	DRAWING No. L-1
DRAWN: RCLA Inc.	CHECKED BY: B.R.M.	
PROJECT No. 21-260Lf		