

**CONSTRUCTION IMPACT MITIGATION RECOMMENDATIONS**

**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.

**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 75MM 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. SHOULD BRANCHES ON CITY OWNED TREES BE DAMAGED BY OR DURING CONSTRUCTION, THE CONTRACTOR IS TO NOTIFY CITY OF LONDON FORESTRY OPERATIONS AS SOON AS POSSIBLE. NO PERSON(S) OTHER THAN CITY STAFF OR THE CITY'S DESIGNATED CONTRACTOR MAY PERFORM WORK ON ANY CITY TREE.

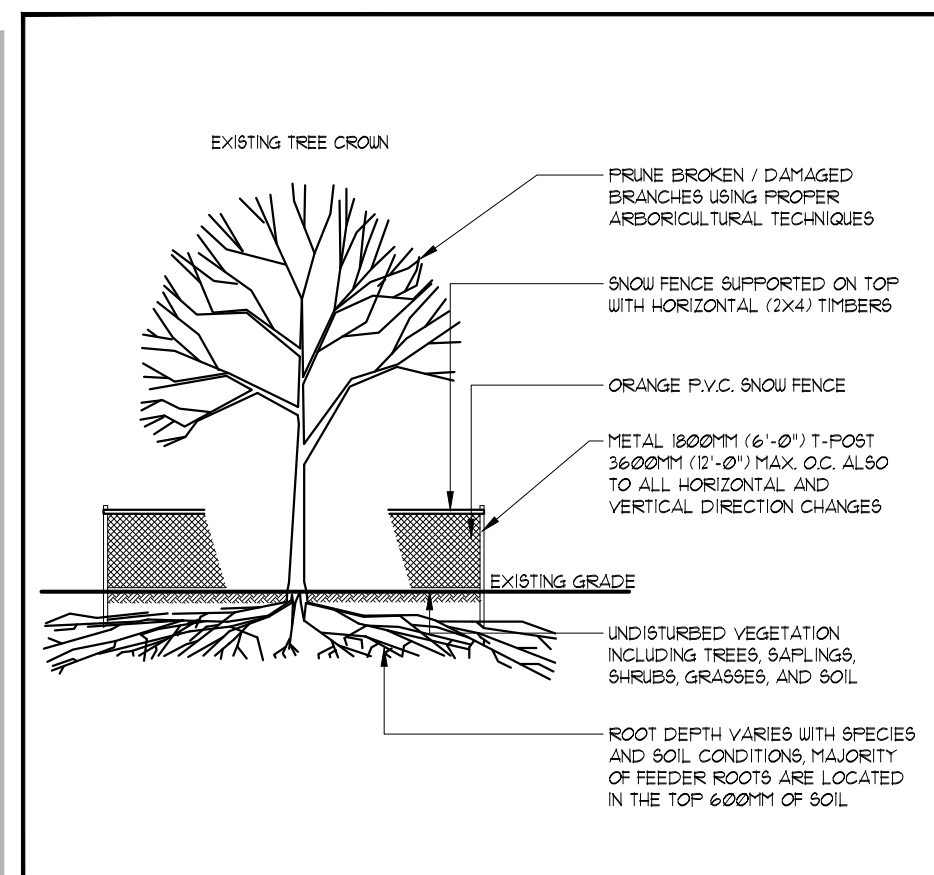
**POST-CONSTRUCTION RECOMMENDATIONS**

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.

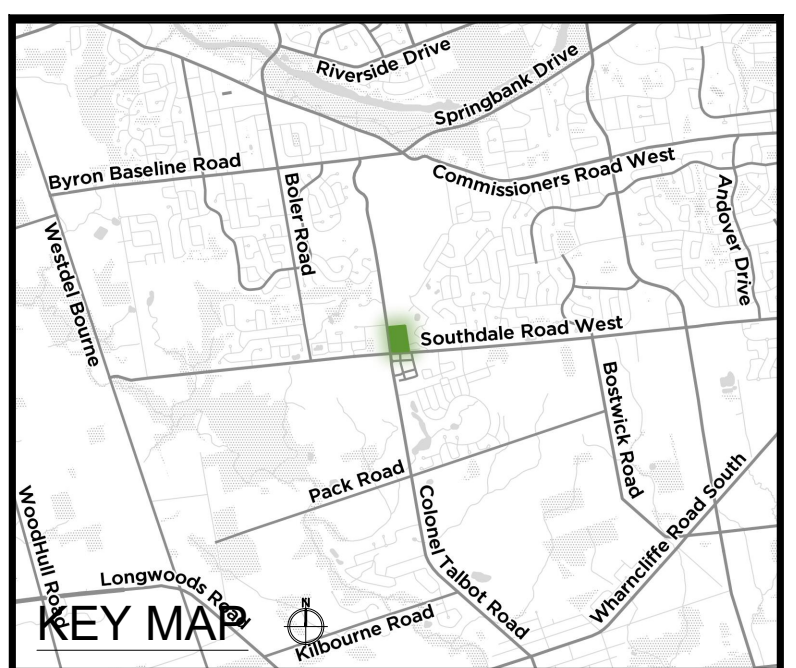
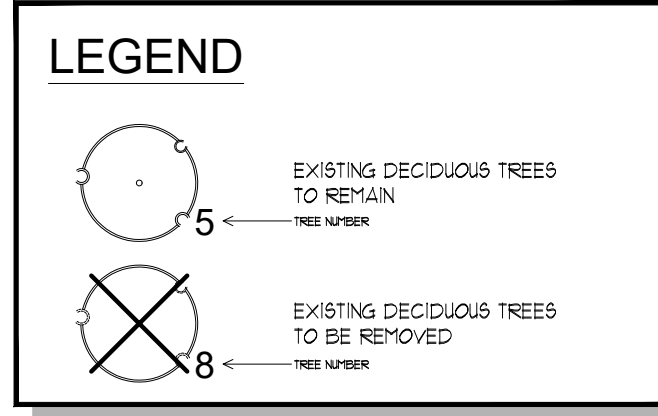
c) A FINAL REVIEW MUST BE UNDERTAKEN BY THE PROJECT ARBORIST TO ENSURE THAT ALL MITIGATION MEASURES AS DESCRIBED ABOVE HAVE BEEN MET.

GENERAL INFORMATION			SIZE		HEALTH		RECOMMENDATION	
ID #	BOTANICAL NAME	COMMON NAME	DGH (cm)	CANOPY RADIUS (m)	CROWN CONDITION	COMMENTS	PROPOSED ACTION	RATIONALE
1	<i>Acer saccharum</i>	Sugar Maple	65	5	3	Near hydro pole	preserve	NA
2	<i>Asplens nigra</i>	Black Walnut	48	6	5	Co-dominant 2-stem	preserve	NA
3	<i>Asplens nigra</i>	Black Walnut	32	4	5		preserve	NA
4	<i>Asplens nigra</i>	Black Walnut	66	5	5	Co-dominant 3-stem	preserve	NA
5	<i>Asplens nigra</i>	Black Walnut	45	6	4	good vigour	preserve	NA
6	<i>Asplens nigra</i>	Black Walnut	36	5	5		preserve	NA
7	<i>Carya carolinensis</i>	Bitternut Hickory	12	2	5		preserve	NA
8	<i>Carya carolinensis</i>	Bitternut Hickory	11	2	5		preserve	NA
9	<i>Asplens nigra</i>	Black Walnut	10	2	5		preserve	NA
10	<i>Castanopsis</i> sp.	Hawthorn	12	2	5		preserve	NA
11	<i>Asplens nigra</i>	Black Walnut	27	4	3		preserve	NA
12	<i>Carya carolinensis</i>	Bitternut Hickory	56	7	5		preserve	NA
13	<i>Asplens nigra</i>	Black Walnut	54	7	5		preserve	NA
14	<i>Castanopsis</i> sp.	Hawthorn	11	2	5		preserve	NA
15	<i>Acer saccharum</i>	Sugar Maple	11	2	5		preserve	NA
16	<i>Carya carolinensis</i>	Bitternut Hickory	11	2	5		preserve	NA
17	<i>Asplens nigra</i>	Black Walnut	32	4	4		preserve	NA
18	<i>Asplens nigra</i>	Black Walnut	17	2	5		preserve	NA
19	<i>Asplens nigra</i>	Black Walnut	41	5	5		preserve	NA
20	<i>Carya carolinensis</i>	Bitternut Hickory	10	2	5		preserve	NA
21	<i>Castanopsis</i> sp.	Hawthorn	11	2	5		preserve	NA
22	<i>Castanopsis</i> sp.	Hawthorn	11	2	5		preserve	NA
23	<i>Prunus serotina</i>	Cherry Black	22	5	5		preserve	NA
24	<i>Acer saccharum</i>	Sugar Maple	60	7	4	20% decline but good tree	preserve	NA
25	<i>Asplens nigra</i>	Black Walnut	37	5	5		preserve	NA
26	<i>Acer saccharum</i>	Sugar Maple	14	2	5		preserve	NA
27	<i>Asplens nigra</i>	Black Walnut	38	5	5		preserve	NA
28	<i>Asplens nigra</i>	Black Walnut	46	6	5		preserve	NA
29	<i>Asplens nigra</i>	Black Walnut	19	3	5		preserve	NA



**NOTES:**

- EXISTING TREES ARE TO BE PROTECTED FROM CONSTRUCTION WITH THE INSTALLATION OF A 1000MM (4'-0") HIGH SNOU FENCE HELD IN PLACE WITH 1000MM (4'-0") T-BAR.
- THE BARRIER IS TO BE INSTALLED PRIOR TO ANY CONSTRUCTION AND MUST REMAIN IN PLACE UNTIL ALL CONSTRUCTION IS COMPLETED.
- ALL SUPPORTS AND BRACINGS SHOULD BE INSIDE THE TREE PROTECTION ZONE. ALL SUCH SUPPORTS SHOULD MINIMIZE DAMAGING ROOTS IN THE TREE PROTECTION ZONE.
- NO CONSTRUCTION ACTIVITY, GRADE CHANGES, SURFACE TREATMENT, OR EXCAVATION OF ANY KIND IS PERMITTED WITHIN THE TREE PROTECTION ZONE.
- NO MOVEMENT OF EQUIPMENT, STORAGE OF BUILDING SUPPLIES, CLEANING OR EQUIPMENT, OR DUMPING OF SOLVENTS, GASOLINE, ETC. MAY OCCUR WITHIN THIS FENCE LINE.
- WHERE HIGH QUALITY STRENGTHS OCCUR ADJACENT TO AREAS SUBJECTED TO INTENSIVE CONSTRUCTION ACTIVITY, WOODEN CRIBBING SHOULD BE INSTALLED TO PROTECT TRUNKS FROM DAMAGE IN THE EVENT THAT HEAVY EQUIPMENT BREAKS DOWN THE SNOU FENCING. FENCE TO BE INSPECTED BY ENVIRONMENTAL CONSULTANT ON A REGULAR BASIS AND BE MAINTAINED BY THE SUBDIVIDER / BUILDER.



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Barry R. Murphy, O.A.L.A. C.S.L.A.	DATE
MAR1223	ISSUED FOR SPA 3.
MAR1323	ISSUED FOR REVIEW 2.
FEB1323	ISSUED FOR REVIEW 1.
DATE	DESCRIPTION No.

**PLOTTING INFORMATION:**

PLOTTED DATE : MARCH 11, 2023

PLOTTED SCALE : 1/1

PROJECT TITLE:

**PROPOSED COMMERCIAL**

952 SOUTHDALE RD W  
LONDON, ONTARIO

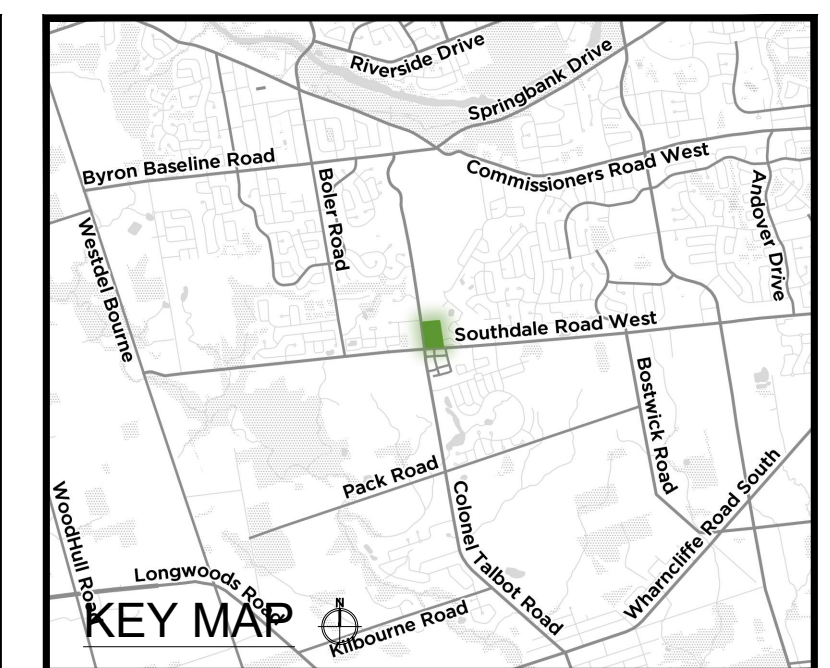
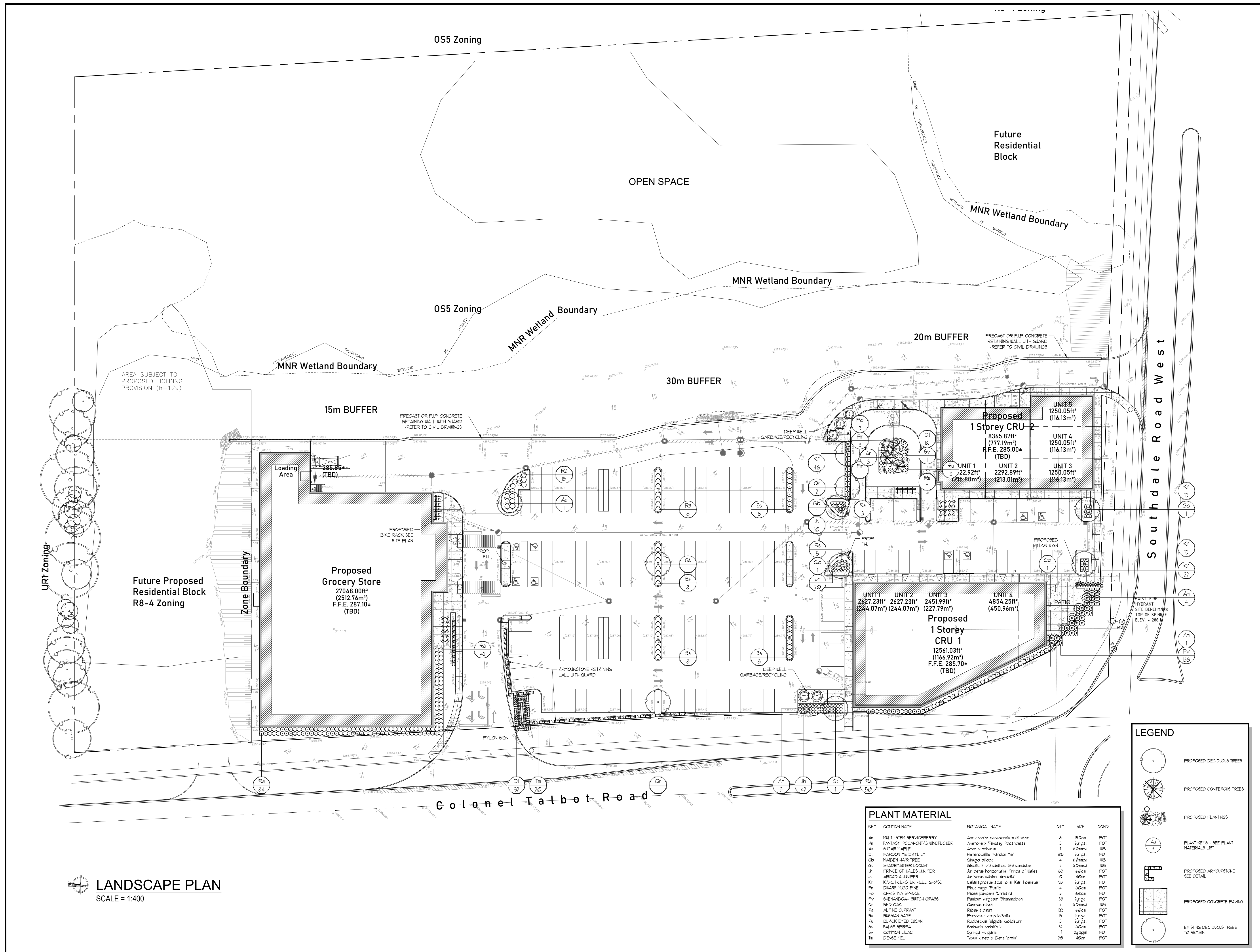
DRAWING TITLE:

**TREE PRESERVATION PLAN**

DATE: JANUARY 2023	SCALE: AS NOTED	DRAWING No.:
DRAWN: RKL/A Inc.	CHECKED BY: B.R.M.	T-1
PROJECT No.:	22-304FL SPA	

**TREE PRESERVATION PLAN**

SCALE = 1:250



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

DATE	DESCRIPTION	No.
MAR1323	ISSUED FOR SPA	3.
MAR1323	ISSUED FOR REVIEW	2.
FEB1323	ISSUED FOR REVIEW	1.
DATE	DESCRIPTION	No.

PLOTTING INFORMATION  
PLOTTED DATE + MARCH 11, 2023  
PLOTTED SCALE + 1:1



PROJECT TITLE:  
**PROPOSED COMMERCIAL**  
952 SOUTHDAL RD W  
LONDON, ONTARIO

DRAWING TITLE:  
**LANDSCAPE PLAN**

DATE: JANUARY 2023	SCALE: AS NOTED	DRAWING No.:
DRAWN: RKL/A Inc.	CHECKED BY: B.R.M.	L-1
PROJECT No.:	22-304Lf SPA	

**LEGEND**

- Proposed Deciduous Trees
- Proposed Coniferous Trees
- Proposed Plantings
- Plant Keys - See Plant Materials List
- Proposed Armourstone (See Detail)
- Proposed Concrete Paving
- Existing Deciduous Trees to Remain

**PLANT MATERIAL**

KEY	COMMON NAME	BOTANICAL NAME	QTY	SIZE	COND
Am	MULTI-STEM SERVICEBERRY	<i>Amelanchier canadensis multi-stem</i>	8	150cm	POT
As	FANTASY PICOCHONTAS WINDFLOWER	<i>Arenaria x Fendley Picochontas</i>	3	2y(1gal)	POT
As	SUGAR MAPLE	<i>Acer saccharum</i>	1	60cmcal	UB
DI	PARDON ME DAYLILY	<i>Hemerocallis 'Pardon Me'</i>	100	2y(1gal)	POT
Gb	MAIDEN HAIR TREE	<i>Ginkgo biloba</i>	4	60cmcal	UB
Gt	SHADEMASTER LOCUST	<i>Gleditsia triacanthos 'Shademaster'</i>	2	60cmcal	UB
Jh	PRINCE OF WALES JUNIPER	<i>Juniperus horizontalis 'Prince of Wales'</i>	62	60cm	POT
Jl	ARCADIA JUNIPER	<i>Juniperus sabina 'Arcadia'</i>	10	40cm	POT
Kf	KARL FOERSTER REED GRASS	<i>Calamagrostis acutifolia 'Karl Foerster'</i>	98	2y(1gal)	POT
Pn	DWARF MUGO PINE	<i>Pinus mugo 'Pumilo'</i>	4	60cm	POT
Po	CHRISTINA SPRUCE	<i>Picea pungens 'Christina'</i>	3	60cm	POT
Pv	SHENANDOAH SWITCH GRASS	<i>Panicum virgatum 'Shenandoah'</i>	138	2y(1gal)	POT
Qr	RED OAK	<i>Quercus rubra</i>	3	60cmcal	UB
Ra	ALPINE CURRANT	<i>Ribes alpinum</i>	99	60cm	POT
Rb	RUSSIAN SAGE	<i>Perovskia atriplicifolia</i>	5	2y(1gal)	POT
Ru	BLACK EYED SUSAN	<i>Rudbeckia fulgida 'Goldsum'</i>	3	2y(1gal)	POT
Ss	FALSE SPirea	<i>Spiraea spirifolia</i>	32	60cm	POT
Sv	COMMON LILAC	<i>Syringa vulgaris</i>	1	2y(1gal)	POT
Tn	DENSE YEW	<i>Taxus x media 'Densiformis'</i>	20	40cm	POT

**LANDSCAPE PLAN**  
SCALE = 1:400

