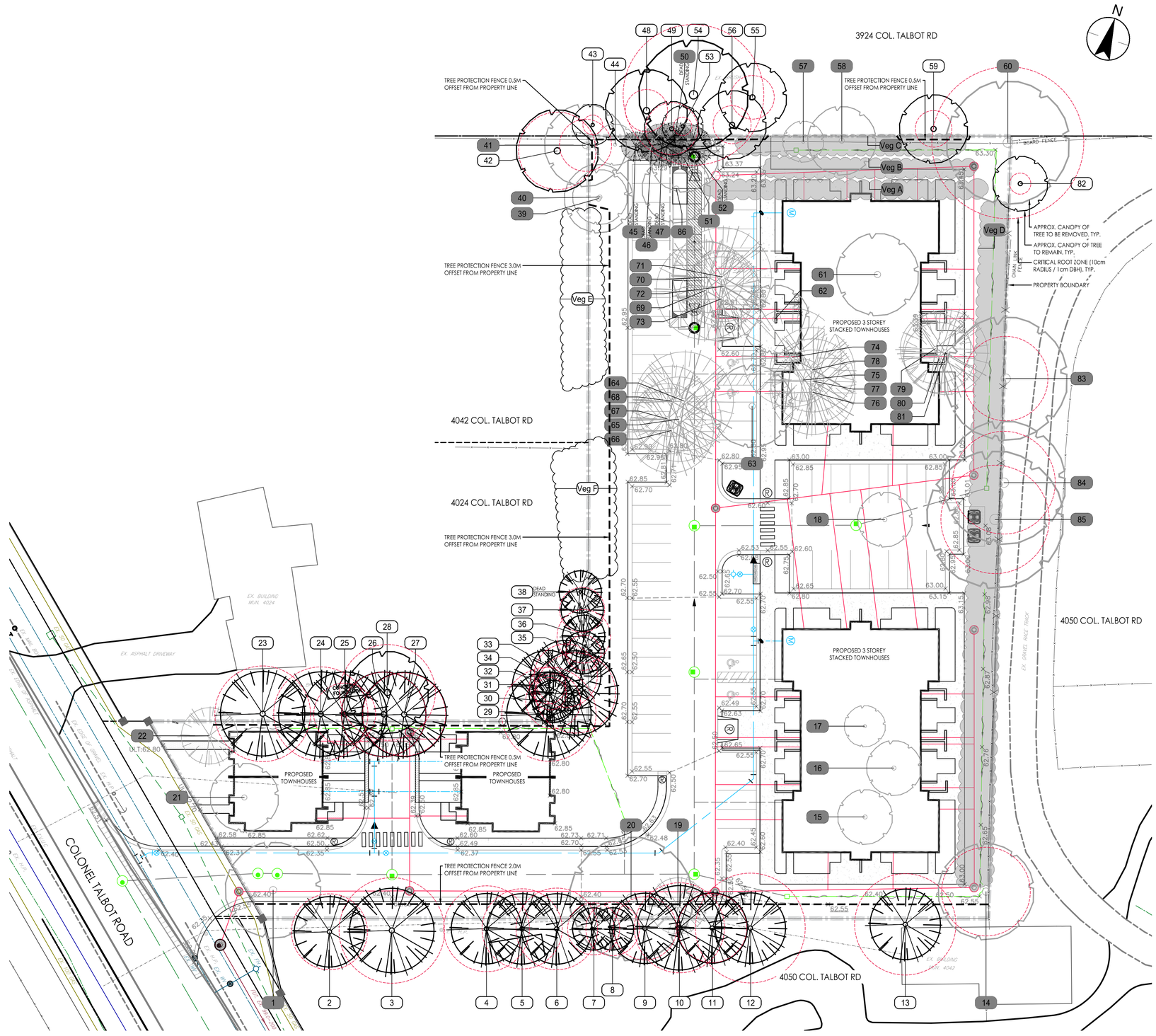


LEGEND

- PROPERTY BOUNDARY
- EXISTING DECIDUOUS/CONIFEROUS TREE TO REMAIN
- EXISTING DECIDUOUS/CONIFEROUS TREE TO BE REMOVED
- EXISTING DECIDUOUS/CONIFEROUS TREE - DEAD STANDING TO BE REMOVED
- CRITICAL ROOT ZONE (10cm r/1cm DBH)
- EXISTING VEGETATION UNIT TO REMAIN
- EXISTING VEGETATION UNIT TO BE REMOVED
- ## — TREE ID LABEL - TO REMAIN
- ## — TREE ID LABEL - TO BE REMOVED
- Veg — VEGETATION UNIT LABEL - TO REMAIN
- Veg — VEGETATION UNIT LABEL - TO BE REMOVED
- TREE PROTECTION FENCE

ORIGINAL SHEET - ANSI D

Stantec
600-171 Queens Avenue
London ON N6A 5J7
Tel. 519-645-2007

Consultants

Legend

Notes

1. ALL DRAWINGS SHOULD BE REVIEWED WITH REFERENCE TO COMPLETE CONTRACT DOCUMENTS.
2. REFER TO SHEETS T–102 – T–104 FOR TREE INVENTORY DATA, TREE PRESERVATION RECOMMENDATIONS AND TREE PROTECTION FENCE DETAIL.

Revision	By	Appd.	YY.MM.DD
1. ISSUED FOR SPA	MP	MP	23.12.01

Issued	By	Appd.	YY.MM.DD
File Name: 161414378_tmp	MP Dwn.	SU Chkd.	MP Dsgn.	23.10.12 YY.MM.DD

Permit-Seal

CERTIFIED ARBORIST ISA
MICHELLE PEETERS
ISA ON2129A

Client/Project
SIFTON

4040 Colonel Talbot Road

London, ON Canada

Title
TREE MANAGEMENT PLAN

Project No.	Scale	Revision
161414378	HORZ – 1 : 300 (3 0 6m)	0

Drawing No. T-101 | Sheet 1 of 4

TABLE A - DETAILED TREE INVENTORY, 4040 COL TALBOT RD, LONDON ON

TREE #S 1-40 OF 86

Tree ID	Botanical Name	Common Name	DBH (cm)							Total DBH (cm)	Critical Root Zone Calculation			Dripline Radius (m)	Condition				Health Comments	Ownership	Proposed Action	Removal / Injury Comments	CRZ Impact Calculations			Consent Requirements	Compensation
			Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Stem 6	Stem 7		Total Trunk Cross Sectional Area (cm)	Derived DBH sq root of Cross Sectional Area (cm)	Critical Root Zone (m radius) 10cm / 1cm of derived DBH		Trunk Integrity	Crown Structure	Crown Vigour	Overall Condition		**Boundary Tree** = straddles the property line **Border Tree** = trunk beyond subject site, but roots and branches extend into subject site		(CRZ = Critical Root Zone) Nominal = <5% incursion Minimal = 5 - 9% incursion Moderate = 10 - 19% incursion Significant = 20 - 24% incursion Critical = >25% incursion	CRZ Area (sq.m.)	Estimated area of incursion into CRZ (sq.m.)	Estimated % of incursion to CRZ	**Boundary tree** protected by Forestry Act = consent to injure or remove required **Border tree** Not protected by Forestry Act = consent not required	**# of Trees** (1 tree / 10cm DBH removed due to construction impacts)
1	*Acer platanoides*	Norway Maple	74							2412	4299	74	7.4	7	Good	Good	Good	Good	Circling roots	Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	241.2
2	*Picea abies*	Norway Spruce	54							54	2289	54	5.4	5	Good	Good	Good	Good	Limbed up 4m	4050 Col Talbot Rd Border Tree	protect	Minimal incursion into CRZ	92	7.4	8%	Border Tree - none	-
3	*Picea abies*	Norway Spruce	75							75	4416	75	7.5	6	Good	Good	Good	Good	Limbed up 4m	4050 Col Talbot Rd Border Tree	protect	Significant incursion into CRZ, structural stability of tree may be compromised	177	34.5	20%	Border Tree - none	-
4	*Picea abies*	Norway Spruce	61							61	2921	61	6.1	5	Good	Good	Good	Good	Limbed up 4m, minor thinning	4050 Col Talbot Rd Border Tree	protect	Moderate incursion into CRZ, structural stability may be compromised	117	18.2	16%	Border Tree - none	-
5	*Picea abies*	Norway Spruce	57							57	2550	57	5.7	5	Good	Good	Good	Good	Limbed up 6m, minor thinning	4050 Col Talbot Rd Border Tree	protect	Moderate incursion into CRZ, structural stability may be compromised	102	13.7	13%	Border Tree - none	-
6	*Picea abies*	Norway Spruce	58							58	2641	58	5.8	5	Good	Good	Good	Good	Limbed up 6m, minor thinning	4050 Col Talbot Rd Border Tree	protect	Moderate incursion into CRZ, structural stability may be compromised	106	14.7	14%	Border Tree - none	-
7	*Picea abies*	Norway Spruce	37							37	1075	37	3.7	3	Good	Good	Good	Good	Limbed up 6m, minor thinning	4050 Col Talbot Rd Border Tree	protect	Nominal incursion into CRZ	43	0.3	1%	Border Tree - none	-
8	*Picea abies*	Norway Spruce	38							38	1134	38	3.8	3	Good	Good	Good	Good	Limbed up 6m, minor thinning	4050 Col Talbot Rd Border Tree	protect	Nominal incursion into CRZ	45	0.5	1%	Border Tree - none	-
9	*Picea abies*	Norway Spruce	45							45	1590	45	4.5	5	Good	Good	Good	Good	Limbed up 6m, minor thinning	4050 Col Talbot Rd Border Tree	protect	Minimal incursion into CRZ	64	4.2	7%	Border Tree - none	-
10	*Picea abies*	Norway Spruce	64							64	3215	64	6.4	6	Good	Good	Good	Good	Limbed up 6m, minor thinning	4050 Col Talbot Rd Border Tree	protect	Moderate incursion into CRZ, structural stability may be compromised	129	23.6	18%	Border Tree - none	-
11	*Picea abies*	Norway Spruce	49							49	1885	49	4.9	5	Good	Fair	Good	Good	Limbed up 6m, minor thinning, Co-dominant	4050 Col Talbot Rd Border Tree	protect	Moderate incursion into CRZ, structural stability may be compromised	75	7.4	10%	Border Tree - none	-
12	*Picea abies*	Norway Spruce	78							78	4776	78	7.8	5	Good	Fair	Good	Good	Limbed up 4m. minor thinning, Co-dominant	4050 Col Talbot Rd Border Tree	protect	Significant incursion into CRZ, structural stability of tree may be compromised	191	44.6	23%	Border Tree - none	-
13	*Picea abies*	Norway Spruce	72							72	4069	72	7.2	5	Good	Good	Good	Good	Limbed up 4m. minor thinning	4050 Col Talbot Rd Border Tree	protect	Critical incursion into CRZ, structural stability of tree will be compromised	163	41.5	25%	Border Tree - none	-
14	***Acer saccharinum***	**Silver Maple**	**54**	**33**						**87**	**3144**	**63**	**6.3**	**7**	**Poor**	**Fair**	**Good**	**Poor**	**Large cavity below primary union. Frass**	**Boundary Tree - Subject site / 4050 Col Talbot Rd**	**remove - construction**	**Direct conflict with proposed development**				**Boundary Tree - Consent required from 4050 Col Talbot Rd**	**8.7**
15	*Malus sp.*	Apple sp.	33	23						56	1270	40	4.0	4	Poor	Fair	Good	Fair	Typical Malus form, Failed	Subject site	remove - construction	Direct conflict with proposed				Subject Site - n/a	5.6
16	*Malus sp.*	Apple sp.	18	14	14					46	562	27	2.7	4	Poor	Fair	Good	Fair	Cavity at primary union, Failed stem(s), Epicormic shooting	Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	4.6
17	*Pyrus sp.*	Pear sp.	15							15	177	15	1.5	3	Good	Fair	Good	Good	Epicormic shooting	Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	1.5
18	*Malus sp.*	Apple sp.	29							29	660	29	2.9	4	Good	Fair	Good	Good	Epicormic shooting	Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	2.9
19	*Thuja occidentalis*	Eastern White Cedar	25							25	491	25	2.5	4	Good	Good	Good	Good	Supressed	Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	2.5
20	*Acer saccharinum*	Silver Maple	112							112	9847	112	11.2	9	Good	Good	Good	Good	Minor cavities	Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	11.2
21	*Acer platanoides*	Norway Maple	57							57	2550	57	5.7	5	Fair	Fair	Good	Fair	Spiraling trunk wound, Co-dominant	Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	5.7
22	*Picea abies*	Norway Spruce	47							47	1734	47	4.7	4	Good	Good	Good	Good	Limbed up 4m, minor thinning	Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	4.7
23	*Picea abies*	Norway Spruce	68							68	3630	68	6.8	6	Good	Good	Good	Good	Limbed up 4m, minor thinning	4024 Col. Talbot Rd Border Tree	protect	Critical incursion into CRZ, structural stability of tree will be compromised	145	51.3	35%	Border Tree - none	-
24	*Picea abies*	Norway Spruce	67							67	3524	67	6.7	6	Good	Good	Good	Good	Limbed up 4m, minor thinning	4024 Col. Talbot Rd Border Tree	protect	Critical incursion into CRZ, structural stability of tree will be compromised	141	49.6	35%	Border Tree - none	-
25	*Picea abies*	Norway Spruce	44							44	1520	44	4.4	6	Good	Good	Good	Good	Limbed up 4m, minor thinning	4024 Col. Talbot Rd Border Tree	protect	Critical incursion into CRZ, structural stability of tree will be compromised	61	16.7	27%	Border Tree - none	-
26	*Picea abies*	Norway Spruce	60							60	2826	60	6.0	6	Good	Good	Good	Good	Limbed up 4m, minor thinning	4024 Col. Talbot Rd Border Tree	protect	Critical incursion into CRZ, structural stability of tree will be compromised	113	38.0	34%	Border Tree - none	-
27	*Picea abies*	Norway Spruce	59							59	2733	59	5.9	6	Good	Good	Good	Good	Limbed up 4m, minor thinning	4024 Col. Talbot Rd Border Tree	protect	Critical incursion into CRZ, structural stability of tree will be compromised	109	36.6	33%	Border Tree - none	-
28	*Acer saccharum*	Sugar Maple	60							60	2826	60	6.0	6	Good	Good	Good	Good	Trunk lean, Suppresed	4024 Col. Talbot Rd Border Tree	protect	Moderate incursion into CRZ, structural stability may be compromised	113	14.4	13%	Border Tree - none	-
29	*Picea abies*	Norway Spruce	67							67	3524	67	6.7	6	Good	Good	Good	Good	Limbed up 4m	4024 Col. Talbot Rd Border Tree	protect	Critical incursion into CRZ, structural stability of tree will be compromised	141	48.3	34%	Border Tree - none	-
30	*Picea abies*	Norway Spruce	39							39	1194	39	3.9	3	Good	Good	Good	Good	Limbed up	4024 Col. Talbot Rd Border Tree	protect	Nominal incursion into CRZ	48	1.0	2%	Border Tree - none	-
31	*Picea abies*	Norway Spruce	23							23	415	23	2.3	3	Good	Good	Good	Good	Limbed up	4024 Col. Talbot Rd Border Tree	protect	No incursion into CRZ	17	0.0	0%	Border Tree - none	-
32	*Picea abies*	Norway Spruce	26							26	531	26	2.6	3	Good	Fair	Good	Good	Limbed up	4024 Col. Talbot Rd Border Tree	protect	No incursion into CRZ	21	0.0	0%	Border Tree - none	-
33	*Picea abies*	Norway Spruce	45							45	1590	45	4.5	5	Good	Good	Good	Good	Limbed up	4024 Col. Talbot Rd Border Tree	protect	No incursion into CRZ	64	0.0	0%	Border Tree - none	-
34	*Picea abies*	Norway Spruce	57							57	2550	57	5.7	6	Good	Good	Good	Good	Limbed up	4024 Col. Talbot Rd Border Tree	protect	Nominal incursion into CRZ	102	3.6	4%	Border Tree - none	-
35	*Juniperus sp.*	Juniper sp.	25							25	491	25	2.5	3	Good	Good	Good	Good	Limbed up, Supressed	4024 Col. Talbot Rd Border Tree	protect	No incursion into CRZ	20	0.0	0%	Border Tree - none	-
36	*Juniperus sp.*	Juniper sp.	28	22	14					64	1149	38	3.8	3	Good	Good	Good	Good	Limbed up, vines into crown	4024 Col. Talbot Rd Border Tree	protect	Nominal incursion into CRZ	46	0.5	1%	Border Tree - none	-
37	*Juniperus sp.*	Juniper sp.	32							32	804	32	3.2	3	Good	Fair	Fair	Good	Limbed up, vines into crown, Minor deadwood	4024 Col. Talbot Rd Border Tree	protect	No incursion into CRZ	32	0.0	0%	Border Tree - none	-
38	*Juniperus sp.*	Juniper sp.	30							30	707	30	3.0	3	Dead	Dead	Dead	Dead	Dead	4024 Col. Talbot Rd Border Tree	protect	No incursion into CRZ	28	0.0	0%	Border Tree - none	-
39	*Robinia pseudoacacia*	Black Locust	68							68	3630	68	6.8	5	Poor	Fair	Good	Poor	Fruiting bodies at trunk wound, dead stems	Subject site	remove - condition + construction	Poor tree condition and conflict with proposed development				Subject Site - n/a	6.8
40	*Morus alba*	White Mulberry	17							17	227	17	1.7	4	Good	Fair	Good	Good	Emerging from base of tree 39	Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	1.7

Stantec
600-171 Queens Avenue
London ON N6A 5J7
Tel. 519-645-2007

Consultants

Legend

Notes

1. ALL DRAWINGS SHOULD BE REVIEWED WITH REFERENCE TO COMPLETE CONTRACT DOCUMENTS.
2. REFER TO SHEETS T-103 – T-104 FOR TREE INVENTORY DATA, TREE PRESERVATION RECOMMENDATIONS AND TREE PROTECTION FENCE DETAIL.

Revision	By	Appd.	YY.MM.DD
1. ISSUED FOR SPA	MP	MP	23.12.01
Issued	By	Appd.	YY.MM.DD
File Name: 161414378_tmp	MP Dwn.	SU Chkd.	MP Dsgn.	23.10.12 YY.MM.DD

Permit-Seal

CERTIFIED ARBORIST ISA
MICHELLE PEETERS
ISA ON2129A

Client/Project

SIFTON

4040 Colonel Talbot Road

London, ON Canada

Title

DETAILED TREE INVENTORY TABLE

Project No.	Scale	
161414378	NOT TO SCALE	
Drawing No.	Sheet	Revision
T-102	2 of 4	0

TABLE A - DETAILED TREE INVENTORY, 4040 COL TALBOT RD, LONDON ON

TREE #S 41-86 OF 86

Tree ID	Botanical Name	Common Name	DBH (cm)							Total DBH (cm)	Critical Root Zone Calculation			Dripline Radius (m)	Condition				Health Comments	Ownership	Proposed Action	Removal / Injury Comments	CRZ Impact Calculations			Consent Requirements	Compensation
			Stem 1	Stem 2	Stem 3	Stem 4	Stem 5	Stem 6	Stem 7		Total Trunk Cross Sectional Area (cm)	Derived DBH sq root of Cross Sectional Area (cm)	Critical Root Zone (m radius) 10cm / 1cm of derived DBH		Trunk Integrity	Crown Structure	Crown Vigour	Overall Condition		**Boundary Tree** = straddles the property line **Border Tree** = trunk beyond subject site, but roots and branches extend into subject site		(CRZ = Critical Root Zone) Nominal = <5% incursion Minimal = 5 - 9% incursion Moderate = 10 - 19% incursion Significant = 20 - 24% incursion Critical = >25% incursion	CRZ Area (sq.m.)	Estimated area of incursion into CRZ (sq.m.)	Estimated % of incursion to CRZ	**Boundary tree** protected by Forestry Act = consent to injure or remove required **Border tree** Not protected by Forestry Act = consent not required	**# of Trees** (1 tree / 10cm DBH removed due to construction impacts)
41	***Morus alba***	**White Mulberry**	**32**	**18**						**50**	**1058**	**37**	**3.7**	**6**	**Fair**	**Fair**	**Good**	**Fair**	**Trunk lean, Epicormic shooting, codominant leaders**	**Boundary Tree - Subject site / 4024 Col Talbot Rd**	**remove - condition + construction**	**Tree condition and significant incursion into CRZ**	42	**9.6**	23%	**Boundary Tree - Consent required from 4024 Col Talbot Rd**	**5**
42	*Robinia pseudoacacia*	Black Locust	55							55	2375	55	5.5	6	Fair	Fair	Fair	Fair	Major deadwood	4024 Col. Talbot Rd Border Tree	protect	Nominal incursion into CRZ	95	1.5	2%	Border Tree - none	-
43	*Morus alba*	White Mulberry	14							14	154	14	1.4	3	Good	Good	Good	Good	Supressed	3924 Col Talbot Rd Border Tree	protect	No incursion into CRZ	6	0.0	0%	Border Tree - none	-
44	*Prunus serotina*	Black Cherry	13							13	133	13	1.3	3	Fair	Fair	Fair	Fair	Dead tree leaning on this tree, Supressed	Subject site	remove - condition + construction	Tree condition and conflict with proposed development				Subject Site - n/a	1.3
45	*Pinus strobus*	White Pine	25							25	491	25	2.5	2	Dead	Dead	Dead	Dead		Subject site	remove - condition	dead				Subject Site - n/a	-
46	*Pinus strobus*	White Pine	16							16	201	16	1.6	2	Dead	Dead	Dead	Dead		Subject site	remove - condition	dead				Subject Site - n/a	-
47	*Pinus strobus*	White Pine	31							31	754	31	3.1	3	Dead	Dead	Dead	Dead		Subject site	remove - condition	dead				Subject Site - n/a	-
48	*Juglans nigra*	Black Walnut	30							30	707	30	3.0	6	Good	Good	Good	Good		3924 Col Talbot Rd Border Tree	protect	No incursion into CRZ	28	0.0	0%	Border Tree - none	-
49	*Robinia pseudoacacia*	Black Locust	26	26						52	1061	37	3.7	4	Fair	Fair	Fair	Fair	Co-dominant, Minor deadwood	3924 Col Talbot Rd Border Tree	protect	Critical incursion into CRZ, structural stability of tree will be compromised	42	10.6	25%	Border Tree - none	-
50	*Pinus strobus*	White Pine	27							27	572	27	2.7	3	Dead	Dead	Dead	Dead	Snapped leader	Subject site	remove - condition	dead				Subject Site - n/a	-
51	*Prunus serotina*	Black Cherry	32							32	804	32	3.2	5	Good	Fair	Good	Good	Co-dominant	Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	3.2
52	*Pinus strobus*	White Pine	23							23	415	23	2.3	3	Dead	Dead	Dead	Dead	Snapped leader	Subject site	remove - condition	dead				Subject Site - n/a	-
53	*Celtis occidentalis*	Hackberry	13							13	133	13	1.3	3	Good	Good	Good	Good		3924 Col Talbot Rd Border Tree	protect	No incursion into CRZ	5	0.0	0%	Border Tree - none	-
54	*Populus deltoides ssp. deltoides*	Eastern Cottonwood	100							100	7850	100	10.0	8	Good	Good	Good	Good		3924 Col Talbot Rd Border Tree	protect	Moderate incursion into CRZ, structural stability may be compromised	314	39.4	13%	Border Tree - none	-
55	*Juglans nigra*	Black Walnut	31							31	754	31	3.1	5	Good	Good	Good	Good		3924 Col Talbot Rd	protect	No incursion into CRZ	30	0.0	0%	Border Tree - none	-
56	*Morus alba*	White Mulberry	27							27	572	27	2.7	5	Good	Fair	Good	Good	Co-dominant	3924 Col Talbot Rd Border Tree	protect	Minimal incursion into CRZ	23	1.4	6%	Border Tree - none	-
57	*Prunus sp.*	Cherry sp.	14	14						28	308	20	2.0	3	Fair	Fair	Good	Fair	Co-dominant, Suppresed	Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	2.8
58	*Morus alba*	White Mulberry	28	23						51	1031	36	3.6	5	Fair	Fair	Good	Fair	Grown through Paige wire fence, Co-dominant, Trunk lean	Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	5.1
59	*Juglans nigra*	Black Walnut	26							26	531	26	2.6	5	Good	Good	Good	Good	One sided crown	3924 Col Talbot Rd Border Tree	protect	Moderate incursion into CRZ, structural stability may be compromised	21	3.2	15%	Border Tree - none	-
60	***Acer saccharinum***	**Silver Maple**	**56**	**52**	**45**	**45**	**36**	**20**	**13**	**267**	**9228**	**108**	**10.8**	**9**	**Good**	**Good**	**Good**	**Good**	**Massive specimen. Fence attached on east side, One sided crown**	**Boundary Tree - Subject site / 4050 Col Talbot Rd**	**remove - construction**	**Direct conflict with proposed development**				**Boundary Tree - Consent required from 4050 Col Talbot Rd**	**26.7**
61	*Quercus rubra*	Red Oak	54							54	2289	54	5.4	6	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	5.4
62	*Acer platanoides*	Norway Maple	41							41	1320	41	4.1	5	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	4.1
63	*Betula papyrifera*	Paper Birch	39							39	1194	39	3.9	6	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	3.9
64	*Pinus strobus*	White Pine	47							47	1734	47	4.7	7	Good	Fair	Good	Good	Snapped leader	Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	4.7
65	*Pinus strobus*	White Pine	52							52	2123	52	5.2	6	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	5.2
66	*Pinus strobus*	White Pine	50							50	1963	50	5.0	6	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	5
67	*Pinus strobus*	White Pine	48							48	1809	48	4.8	5	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	4.8
68	*Pinus strobus*	White Pine	27							27	572	27	2.7	5	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	2.7
69	*Pinus strobus*	White Pine	47							47	1734	47	4.7	7	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	4.7
70	*Pinus strobus*	White Pine	28							28	615	28	2.8	5	Good	Good	Good	Good	Trunk wounds	Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	2.8
71	*Pinus strobus*	White Pine	57							57	2550	57	5.7	7	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	5.7
72	*Pinus strobus*	White Pine	34							34	907	34	3.4	5	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	3.4
73	*Pinus strobus*	White Pine	42							42	1385	42	4.2	6	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	4.2
74	*Pinus strobus*	White Pine	57							57	2550	57	5.7	7	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	5.7
75	*Pinus strobus*	White Pine	11							11	95	11	1.1	3	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	1.1
76	*Pinus strobus*	White Pine	58							58	2641	58	5.8	6	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	5.8
77	*Pinus strobus*	White Pine	47							47	1734	47	4.7	6	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	4.7
78	*Pinus strobus*	White Pine	36							36	1017	36	3.6	6	Fair	Fair	Good	Fair	No leader, removed?	Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	3.6
79	*Pinus strobus*	White Pine	31							31	754	31	3.1	5	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	3.1
80	*Pinus strobus*	White Pine	31							31	754	31	3.1	5	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	3.1
81	*Pinus strobus*	White Pine	46							46	1661	46	4.6	6	Good	Good	Good	Good		Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	4.6
82	*Morus alba*	White Mulberry	15							15	177	15	1.5	4	Good	Good	Good	Good	Emerging from east side of berm, Supressed	4050 Col Talbot Rd Border Tree	protect	No incursion into CRZ	7	0.0	0%	none	-
83	***Ulmus pumila***	**Siberian Elm**	**42**	**40**	**15**					**97**	**2817**	**60**	**6.0**	**9**	**Fair**	**Fair**	**Fair**	**Fair**	**Emerging from east side of berm, seam at primary union, Unbalanced Crown**	**Boundary Tree - Subject site / 4050 Col Talbot Rd**	**remove - construction**	**Direct conflict with proposed development**				**Boundary Tree - Consent required from 4050 Col Talbot Rd**	**9.7**
84	***Acer saccharinum***	**Silver Maple**	**40**	**25**	**25**	**25**	**25**	**25**	**25**	**190**	**4200**	**73**	**7.3**	**9**	**Fair**	**Fair**	**Fair**	**Fair**	**Emerging from east side of berm, 7 stems at 25cm**	**Boundary Tree - Subject site / 4050 Col Talbot Rd**	**remove - construction**	**Direct conflict with proposed development**				**Boundary Tree - Consent required from 4050 Col Talbot Rd**	**19**
85	***Acer saccharinum***	**Silver Maple**	**72**	**19**	**18**					**109**	**4607**	**77**	**7.7**	**10**	**Good**	**Good**	**Good**	**Good**		**Boundary Tree - Subject site / 4050 Col Talbot Rd**	**remove - construction**	**Direct conflict with proposed development**				**Boundary Tree - Consent required from 4050 Col Talbot Rd**	**10.9**
86	*Morus alba*	White Mulberry	39	20						59	1508	44	4.4	5	Poor	Poor	Poor	Poor	Crack at primary union, dangling failed stem	Subject site	remove - construction	Direct conflict with proposed development				Subject Site - n/a	5.9

ORIGINAL SHEET - ANSI D

Stantec
600-171 Queens Avenue
London ON N6A 5J7
Tel. 519-645-2007

Consultants

Legend

Notes

1. ALL DRAWINGS SHOULD BE REVIEWED WITH REFERENCE TO COMPLETE CONTRACT DOCUMENTS.
2. REFER TO SHEETS T-102 & T-104 FOR TREE INVENTORY DATA, TREE PRESERVATION RECOMMENDATIONS AND TREE PROTECTION FENCE DETAIL.

Revision	By	Appd.	YY.MM.DD
1. ISSUED FOR SPA	MP	MP	23.12.01
Issued	By	Appd.	YY.MM.DD
File Name: 161414378_tmp	MP Dwn.	SU Chkd.	MP Dsgn.	23.10.12 YY.MM.DD

Permit-Seal

CERTIFIED ARBORIST ISA
MICHELLE PEETERS
ISA ON2129A

Client/Project
SIFTON

4040 Colonel Talbot Road

London, ON Canada

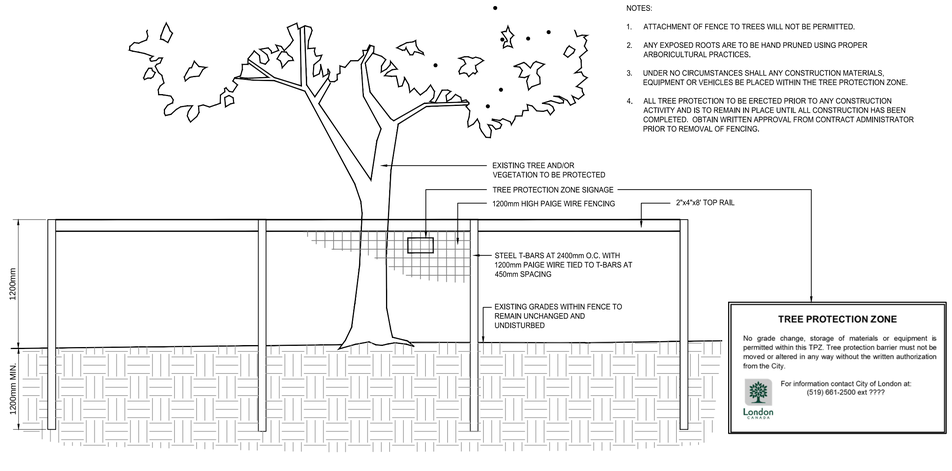
Title
DETAILED TREE INVENTORY TABLE

Project No. 161414378
Scale NOT TO SCALE
Drawing No. T-103
Sheet 3 of 4
Revision 0

TABLE B - GENERAL VEGETATION INVENTORY, 4040 COL TALBOT RD, LONDON ON

VEGETATION UNITS A-F (6 OF 6)

Botanical Name	Common Name	DBH Range (cm)	Stem Count	General Comments	Ownership	Action	Removal/Injury Comments	Compensation (1 tree/10cm DBH removed) Calculation based on middle DBH of each DBH range (ie. DBH range 10 - 19 is counted as 15cm DBH)
Vegetation Unit A				Southernmost hedge row of 3 hedge rows running parallel with north property line, many trees are thin, some dead trees	Subject Site	Remove - construction	Direct Conflict with proposed development	
Pinus strobus	White Pine	10 - 19	9					13.5
		20 -29	13					32.5
		30 - 39	7					24.5
		40 - 49	2					9
Vegetation Unit B				Central hedge row of 3 hedge rows running parallel with north property line, many trees are thin, some dead trees	Subject Site	Remove - construction	Direct Conflict with proposed development	
Pinus strobus	White Pine	10 - 19	7					10.5
		20 -29	4					10
		30 - 39	0					0
		40 - 49	0					0
Morus alba	White Mulberry	10 - 19	2					3
		20 -29	0					0
		30 - 39	0					0
		40 - 49	0					0
Vegetation Unit C				Northernmost hedge row of 3 hedge rows running parallel with north property line, most trees are thinning or dead	Subject Site	Remove - construction	Direct Conflict with proposed development	
Pinus strobus	White Pine	10 - 19	6					9
		20 -29	7					17.5
		30 - 39	2					7
		40 - 49	0					0
Vegetation Unit D				Hedge row running north/south approx 1m inside east property line, most trees are in good condition	Subject Site	Remove - construction	Direct Conflict with proposed development	
Pinus strobus	White Pine	10 - 19	28					42
		20 -29	16					40
		30 - 39	21					73.5
		40 - 49	9					40.5
Vegetation Unit E				Stems emerging from 4042 Col Talbot Rd with branches extending east over property line into subject site. Low branched, loose hedge	4024 Col Talbot Rd	Protect	Some branch and root pruning may be required to facilitate construction	
Thuja occidentali	Eastern White Cedar	10 - 19	5					0
		20 -29	8					0
		30 - 39	0					0
		40 - 49	0					0
Rhus typhina	Staghorn Sumac	10 - 19	1					0
		20 -29	0					0
		30 - 39	0					0
		40 - 49	0					0
Vegetation Unit F				Stems emerging from 4024 Col Talbot Rd with branches extending east over property line into subject site. Low branched, loose hedge	4024 Col Talbot Rd	Protect	Some branch and root pruning may be required to facilitate construction	
Thuja occidentali	Eastern White Cedar	10 - 19	0					0
		20 -29	7					0
		30 - 39	0					0
		40 - 49	0					0
Morus alba	White Mulberry	10 - 19	1					0
		20 -29	0					0
		30 - 39	0					0
		40 - 49	0					0



TD 1

TREE PROTECTION FENCE DETAIL
N.T.S.

TREE ASSESSMENT METHODOLOGY

1. FIELD WORK WAS COMPLETED ON OCTOBER 12, 2023 BY STANTEC STAFF MEMBER MICHELLE PEETERS, ISA CERTIFIED ARBORIST ON-2129A.
2. TREE LOCATIONS WERE ESTABLISHED BASED ON A COMBINATION OF A TOPOGRAPHIC SURVEY PREPARED JUNE 8, 2023 AND TREES PICKED UP BY THE ARBORIST WITH A TRIMBLE CATALYST DA2 GNSS RECEIVER WITH 30CM HORIZONTAL ACCURACY.
3. TREES WERE NOT TAGGED IN THE FIELD.
4. TREES WITHIN THE SUBJECT SITE AND WITHIN 3M OF THE SUBJECT SITE WITH A DIAMETER AT BREAST HEIGHT (DBH) OF 10cm OR MORE WERE INCLUDED IN THE TREE INVENTORY AND ASSESSMENT. MONOCULTURE HEDGE ROWS WERE GROUPED AND ASSESSED AS VEGETATION UNITS RATHER THAN AS INDIVIDUALS.
5. THE FOLLOWING INFORMATION WAS RECORDED, ASSESSED, AND CALCULATED:
   - 5.1. GENUS + SPECIFIC EPITHET (SPECIES)
   - 5.2. DIAMETER AT BREAST HEIGHT (DBH) (cm)
   - 5.3. DRIPLINE RADIUS (m)
   - 5.4. TRUNK INTEGRITY, CROWN STRUCTURE, CROWN VIGOUR, AND OVERALL CONDITION RATING
   - 5.5. SPECIFIC HEALTH COMMENTS AND OBSERVATIONS
   - 5.6. DERIVED DBH (SQUARE ROOT OF CROSS SECTIONAL AREA OF MULTISTEM TREES)
   - 5.7. CRITICAL ROOT ZONE (CRZ) (10cm/1cm OF DERIVED DBH)
   - 5.8. OWNERSHIP (SUBJECT SITE, BOUNDARY TREE, BORDER TREE OR FULLY BEYOND SUBJECT SITE)
   - 5.9. CRZ IMPACT CALCULATION (% OF ESTIMATED INCURSION INTO CRZ AREA)
   - 5.10. INJURY REMOVAL COMMENTS
   - 5.11. CONSENT REQUIREMENTS FOR INJURY OR REMOVAL
     - 5.11.1. REMOVAL FROM SUBJECT SITE - CONSENT NOT REQUIRED
     - 5.11.2. REMOVAL OR INJURY TO BOUNDARY TREES - CONSENT FROM ADJACENT LAND OWNER REQUIRED
     - 5.11.3. INJURY TO BORDER TREES - CONSENT NOT REQUIRED
   - 5.12. CITY OF LONDON COMPENSATION REQUIREMENT FOR TREES REMOVED DUE TO CONSTRUCTION (1 TREE / 10cm DBH REMOVED)
6. TREES WERE ASSESSED FOLLOWING ACCEPTED ARBORICULTURAL TECHNIQUES AND BEST PRACTICES USING A LIMITED VISUAL INSPECTION. THE INSPECTION INCLUDED A 360 DEGREE (IF ACCESSIBLE) 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.

CRITICAL ROOT ZONES

THE CITY OF LONDON TREE PROTECTION BY-LAW 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 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 GRAPHICALLY REPRESENTED ON THE TREE MANAGEMENT PLAN BASED ON DERIVED DBH.

TREE PROTECTION FENCING HAS BEEN LOCATED IN AN EFFORT TO PROTECT AS MUCH OF EACH TREES CRITICAL ROOT ZONE AS POSSIBLE.

THERE ARE A NUMBER OF OTHER FACTORS THAT CAN BE FURTHER CONSIDERED WHEN ESTABLISHING A CRITICAL ROOT ZONE. ADDITIONAL FACTORS THAT CAN INFORM LOCATION AND EXTENT OF TREE PRESERVATION BARRIERS TO PROTECT THE CRITICAL ROOT ZONE CAN INCLUDE: SPECIES TOLERANCE TO ROOT LOSS AND OTHER CONSTRUCTION IMPACTS (AS ESTABLISHED BY AUTHORITATIVE RESOURCES AND PROFESSIONAL EXPERIENCE), TREE TRUNK SIZE 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.

BOUNDARY TREE LEGISLATION

THERE ARE 6 BOUNDARY TREES RECOMMENDED FOR REMOVAL ASSOCIATED WITH THIS SITE PLAN.

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.

BOUNDARY TREE SUMMARY

Consent Requirements for Boundary Tree Removal		
4042 Col Talbot Rd	1 tree	Tree 41 (multistem Mulberry, cond./const. impacts)
4050 Col Talbot Rd	5 trees	Tree 14 (multistem Silver Maple, construction impacts) Tree 60 (multistem Silver Maple, construction impacts) Tree 83 (multistem Siberian Elm, construction impacts) Tree 84 (multistem Silver Maple, construction impacts) Tree 85 (multistem Silver Maple, construction impacts)

BORDER TREES

THERE ARE 15 BORDER TREES THAT HAVE BEEN ESTIMATED TO EXPERIENCE INCURSION OF 10% OR MORE INTO THEIR CRITICAL ROOT ZONE.

BORDER TREES HAVE TRUNKS THAT ARE SOLELY ON ONE PROPERTY AT GROUND LEVEL, BUT WHOSE ROOTS ENCROACH INTO A NEIGHBOUR'S LANDS, OR WHOSE CANOPY OF BRANCHES INVADES THE AIR SPACE ABOVE THE NEIGHBOUR'S LANDS. A LAND OWNER IS ENTITLED, WITHOUT NOTICE TO OR CONSENT FROM A NEIGHBOUR, TO CUT THOSE BRANCHES AND ROOTS OF A NEIGHBOUR'S BORDER TREE WHICH EXTEND ONTO HIS OR HER PROPERTY OR AIR SPACE.

HOWEVER, IT MUST BE NOTED THAT SUCH ACTIONS MAY RESULT IN A LOSS OF STRUCTURAL STABILITY OF THOSE TREES WHICH MAY RESULT IN TREE FAILURE WHICH MAY CAUSE HARM TO PEOPLE OR PROPERTY. IT IS RECOMMENDED THAT CONSTRUCTION IMPACTS BE MITIGATED TO AVOID INCURSION OF 10% OR MORE INTO THE CRZ OF BORDER TREES, OR SEEK CONSENT TO REMOVE TREES EXPECTED TO EXPERIENCE 10% OR GREATER (MODERATE TO CRITICAL) INCURSION INTO THE CRZ TO ELIMINATE THE RISK.

BORDER TREE SUMMARY

Border Trees expected to have >10% incursion into CRZ	
4050 Col Talbot Rd (8 trees):	Tree 3 Norway Spruce, 20% incursion, significant
	Tree 4 Norway Spruce, 16% incursion, moderate
	Tree 5 Norway Spruce, 13% incursion, moderate
	Tree 6 Norway Spruce, 14% incursion, moderate
	Tree 10 Norway Spruce, 18% inurscion, moderate
	Tree 11 Norway Spruce, 10% incursion, moderate
	Tree 12 Norway Spruce, 23% incursion, significant
	Tree 13 Norway Spruce, 25% incursion, critical
4024 Col Talbot Rd (7 trees):	Tree 23 Norway Spruce, 35% incursion, critical
	Tree 24 Norway Spruce, 35% incursion, critical
	Tree 25 Norway Spruce, 27% incursion, critical
	Tree 26 Norway Spruce, 34% incursion, critical
	Tree 27 Norway Spruce, 33% incursion, critical
	Tree 28 Sugar Maple, 13% incursioin, moderate
	Tree 29 Norway Spruce, 34% incursion, critical

TREE MANAGEMENT RECOMMENDATIONS

PRE-CONSTRUCTION RECOMMENDATIONS

1. PRIOR TO ANY CONSTRUCTION ACTIVITY, TREE PRESERVATION FENCING IS TO BE INSTALLED AS PER THE TREE MANAGEMENT DRAWINGS AND TREE PRESERVATION FENCE DETAIL AND APPROVED BY THE PROJECT ARBORIST OR LANDSCAPE ARCHITECT.
2. 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.
3. 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 QUALIFIED 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.
4. 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.
5. 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.
6. FINAL SITE GRADING PLANS SHOULD ENSURE THAT THE EXISTING SOIL MOISTURE CONDITIONS ARE MAINTAINED.

RECOMMENDATIONS RELATED TO THE CONSTRUCTION PROCESS

1. 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.
2. TREE PRESERVATION FENCING IS TO REMAIN INTACT AS PER THE TREE MANAGEMENT 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.
3. 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.
4. 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.
5. 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. ADEQUATE MOISTURE LEVELS ARE TO BE MAINTAINED UNTIL SUCH TIME AS TOPSOIL HAS BEEN REPLACED SATISFACTORILY OR AS OTHERWISE DIRECTED BY THE CONTRACT ADMINISTRATOR.
6. 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.
7. 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.
8. REGULAR COMMUNICATION WITH THE SITE SUPERVISOR AND REGULAR MONITORING OF THE SITE BY THE PROJECT ARBORIST OR LANDSCAPE ARCHITECT IS RECOMMENDED TO ENSURE PROPER PROCEDURES ARE FOLLOWED AND PROTECTION BARRIERS ARE MAINTAINED. IT IS THE RESPONSIBILITY OF THE SITE SUPERVISOR TO PROMPTLY CONTACT THE PROJECT ARBORIST IF ANY CONCERNS OR QUESTIONS ARISE REGARDING TREES.
9. WATERING OF PRESERVED TREES MAY BE REQUIRED DURING CONSTRUCTION. WATERING DETAILS INCLUDING FREQUENCY, TIMING, METHOD, AND VOLUME WILL BE DETERMINED BY THE CONSULTING ARBORIST AND THE CONTRACT ADMINISTRATOR.

POST-CONSTRUCTION RECOMMENDATIONS

1. AVOID DISCHARGING RAIN WATER LEADERS ADJACENT TO RETAINED TREES, AS THIS MAY RESULT IN AN OVERLY MOIST ENVIRONMENT WHICH CAN CAUSE ROOT ROT.
2. AFTER ALL WORK IS COMPLETED, TREE PRESERVATION FENCES AND ANY OTHER IMPACT MITIGATION PARAPHERNALIA CAN BE REMOVED UNDER THE DIRECTION OF THE PROJECT ARBORIST OR LANDSCAPE ARCHITECT.
3. 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.
4. POST CONSTRUCTION MONITORING OF TREES MAY BE REQUIRED. MONITORING SCHEDULE TO BE DETERMINED WITH DESIGN TEAM AND CITY CONSENSUS.

TREE ASSESSMENT SUMMARY & COMPENSATION

- A TOTAL OF 86 INDIVIDUAL TREES WERE INCLUDED IN THE DETAILED TREE INVENTORY (DTI). (TREE NUMBERS 1-86)
- A TOTAL OF 6 VEGETATION UNITS WERE INCLUDED IN THE GENERAL VEGETATION INVENTORY (GVI). (VEGETATION UNITS A-F). A TOTAL OF 155 TREES ARE INCLUDED WITHIN THESE VEGETATION UNITS.
- ALL TREES WITHIN THE SUBJECT SITE HAVE BEEN RECOMMENDED FOR REMOVAL DUE TO DIRECT CONFLICT WITH THE PROPOSED DEVELOPMENT AND/OR POOR CONDITION.
- CONSENT FROM ADJACENT LAND OWNERS IS REQUIRED FOR THE RECOMMENDED REMOVAL OF 6 BOUNDARY TREES
- 15 BORDER TREES HAVE BEEN ESTIMATED TO HAVE 10% OR MORE INCURSION INTO THEIR CRITICAL ROOT ZONE.
- COMPENSATION FOR TREES REMOVED DUE TO CONSTRUCTION IMPACTS HAVE BEEN CALCULATED BASE ON CITY OF LONDON REQUIREMENTS OF 1 TREE / 10cm OF DBH REMOVED. CALCULATIONS FOR TREES WITHIN VEGETATION UNITS IS BASED ON MIDDLE DBH OF EACH DBH RANGE (IE. A TREE WITHIN THE DBH RANGE OF 10-19cm IS COUNTED AS 15cm DBH)

TREE / VEG UNIT RECOMMENDATIONS

Total 'Action' Trees	
Protect:	38
Remove - Condition:	5
Remove - Construction:	40
Remove - Construction & Condition:	3
Total:	**86**

Total 'Action' Vegetation Units	
Protect:	2
Remove - Condition:	0
Remove - Construction:	4
Total:	**6**

TREE / VEG UNIT COMPENSATION REQUIREMENTS

Compensation Required for Detailed Tree Inventory	
Aggregate DBH of trees to be removed due to construction:	4750
Compensation required = 1 tree per 10cm of DBH removed	**475**

Compensation Required for General Vegetation Inventory	
Aggregate DBH of trees to be removed due to construction:	3325
Compensation required = 1 tree per 10cm of DBH removed:	**333**

TOTAL QUANTITY OF TREES REQUIRED AS COMPENSATION FOR LIVING TREES REMOVED DUE TO CONSTRUCTION: 808 TREES

Stantec
600-171 Queens Avenue
London ON N6A 5J7
Tel. 519-645-2007

Consultants

Legend

Notes
1. ALL DRAWINGS SHOULD BE REVIEWED WITH REFERENCE TO COMPLETE CONTRACT DOCUMENTS.
2. REFER TO SHEETS T-102 & T-103 FOR TREE INVENTORY DATA

Revision	By	Appd.	YY.MM.DD
1. ISSUED FOR SPA	MP	MP	23.12.01

Issued	By	Appd.	YY.MM.DD
File Name: 161414378_tmp	MP Dwn.	SU Chkd.	MP Dsgn.	23.10.12 YY.MM.DD

Permit-Seal

CERTIFIED ARBORIST ISA
MICHELLE PEETERS
ISA ON2129A

Client/Project
SIFTON

4040 Colonel Talbot Road

London, ON Canada

Title
GENERAL VEGETATION INVENTORY TABLE NOTES, DETAILS & TREE MANAGEMENT RECOMMENDATIONS

Project No.	Scale	
161414378	SCALE AS SHOWN	
Drawing No.	Sheet	Revision
T-104	4 of 4	0

y:\01414\active\161414378\design\drawing\tree_mgmt\161414378_tmp.dwg
2023-12-1 11:34 AM by Peeters, Michelle

ORIGINAL SHEET - ANSI D