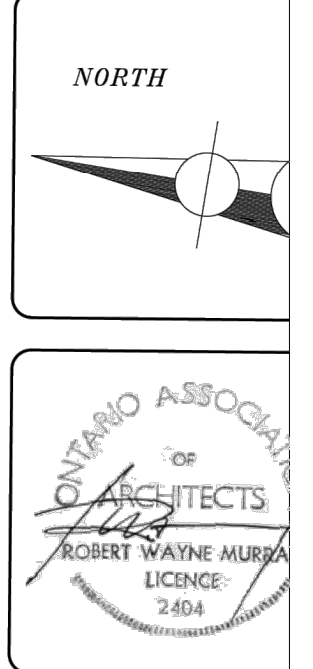


Excavation inside TPZ of trees to be preserved to be done by low impact method such as air-spade or hydrovac at low pressure (<500psi) and supervised by ISA certified arborist who will prune the roots as necessary.



DATE ISSUED	REVISIONS
Jan 18, 2024	For Review for S

CHAPMAN MURRAY ASSOCIATES ARCHITECTS INC.
 NIAGARA FALLS, ONTARIO
 PHONE: (905) 354-1674
 FAX: (905) 354-2940

COMMISSION TITLE:
DUNN STREET DEVELOPMENTS

SHEET TITLE:
SITE PLAN

SCALE: 1:300
 DATE: JAN 18, 2024
 DRAWN: KB
 CHECKED: RWM

COMMISSION NO.
222143

SHEET NO.
SPA2

- NOTES:**
- All field data have been recorded by Clayton Gray ISA Certified Arborist@ ON-2611A. All tree locations are based on the survey supplied by the client and field observation by the arborist.
 - This plan shall be used in conjunction with the Tree Protection Action Key (TPAK). Specific information regarding tree species, condition, and protection protocols are listed therein.
 - Refer to the Arborist Report prepared for this project for specific instruction regarding tree protection requirements.

PLAN KEY

- RETAINED TREE
- RETAINED CONIFEROUS TREE
- REMOVE TREE
- REMOVE CONIFEROUS TREE
- TREE PROTECTION FENCE
- TREE PROTECTION ZONE
- TPZ AREA IMPACTED BY EXCAVATION

No.	DATE	BY	REVISIONS
1	11/25/23	CG	Tree Protection Plan



TITLE:
Tree Protection Plan
 5881 Dunn St
 Niagara Falls, ON L2G 2N9

CLIENT:
 1984351 Ontario Limited

DRAWING NO.: 001	SCALE: 1:350
JOB NO.:	SHEET: 1 OF 3

Species	Botanical	DBH (cm) @ 1.4 m	Tree Ownership	Minimum Tree Protection Zone	Health	Structure	Overall Condition	Crown Width (m)	Deadwood (%)	Construction inside Min TPZ? (Y/N)	Impact: None, Low, Medium, High	Action	Comments
1 Honey Locust	<i>Gleditsia triacanthos</i>	31	Private	3.0	Good	Good	Good	6	10	Y	High	Remove	Inside Building Envelope
2 Honey Locust	<i>Gleditsia triacanthos</i>	32	Private	6.0	Good	Good	Good	12	15	Y	High	Remove	Inside Building Envelope
3 Honey Locust	<i>Gleditsia triacanthos</i>	31	Private	5.5	Good	Good	Good	11	10	Y	High	Remove	Inside Building Envelope
4 Norway Maple	<i>Acer platanoides</i>	31	Private	4.5	Good	Good	Good	9	5	Y	High	Remove	Inside Building Envelope
5 Norway Maple	<i>Acer platanoides</i>	44	Private	6.5	Good	Good	Good	13	5	Y	High	Remove	Inside Building Envelope
6 Honey Locust	<i>Gleditsia triacanthos</i>	34	Private	7.0	Good	Good	Good	14	15	Y	High	Remove	Inside Building Envelope
7 Honey Locust	<i>Gleditsia triacanthos</i>	38	Private	6.5	Good	Good	Good	13	15	Y	High	Remove	Inside Building Envelope
8 Honey Locust	<i>Gleditsia triacanthos</i>	27	Private	6.5	Good	Good	Good	13	15	Y	High	Remove	Inside Building Envelope
9 Austrian Pine	<i>Pinus nigra</i>	46	Private	6.5	Good	Good	Good	13	10	Y	High	Remove	Inside Building Envelope
10 Austrian Pine	<i>Pinus nigra</i>	45	Private	5.0	Good	Good	Good	10	15	Y	High	Remove	Inside Building Envelope
11 Norway Maple	<i>Acer platanoides</i>	47	City	5.5	Good	Fair	Fair	11	5	N	None	Preserve	
12 Norway Maple	<i>Acer platanoides</i>	27	City	4.5	Good	Good	Good	9	5	Y	High	Remove	Driveway expansion inside TPZ
13 Norway Maple	<i>Acer platanoides</i>	35	Private	3.5	Good	Good	Good	7	5	Y	High	Remove	Inside Building Envelope
14 Norway Maple	<i>Acer platanoides</i>	32	Private	5.0	Good	Good	Good	10	5	Y	High	Remove	Inside Building Envelope
15 Norway Maple	<i>Acer platanoides</i>	35	Private	6.5	Good	Good	Good	13	5	Y	High	Remove	Inside Building Envelope
16 Norway Maple	<i>Acer platanoides</i>	42	Private	6.0	Good	Good	Good	12	10	Y	High	Remove	Inside Building Envelope
17 Norway Maple	<i>Acer platanoides</i>	38	Private	4.0	Good	Good	Good	8	5	Y	High	Remove	Inside Building Envelope
18 Norway Maple	<i>Acer platanoides</i>	38	Private	6.5	Good	Good	Good	13	5	Y	High	Remove	Inside Building Envelope
19 Black Cherry	<i>Prunus serotina</i>	57	Boundary	8.0	Good	Good	Good	16	15	Y	High	Remove	Parking lot expansion inside CRZ
20 Norway Maple	<i>Acer platanoides</i>	31	Neighbour	7.0	Good	Good	Good	14	5	N	None	Preserve	
21 Norway Maple	<i>Acer platanoides</i>	26	Private	4.5	Good	Good	Good	9	5	Y	High	Remove	Parking lot expansion inside CRZ
22 Norway Maple	<i>Acer platanoides</i>	30	Private	3.0	Good	Good	Good	6	5	Y	High	Remove	Parking lot expansion inside CRZ
23 Norway Maple	<i>Acer platanoides</i>	22	Private	2.0	Fair	Poor	Poor	4	80	Y	High		
24 White Mulberry	<i>Morus alba</i>	38	Boundary	6.0	Fair	Fair	Fair	12	15	Y	High	Remove	Parking lot expansion inside CRZ
25 Norway Maple	<i>Acer platanoides</i>	36	Private	7.0	Good	Good	Good	14	10	N	None	Preserve	
26 Freeman Maple	<i>Acer x Freemanii</i>	30	Neighbour	6.5	Good	Good	Good	13	15	Y	High	Remove	Parking lot expansion inside CRZ
27 Norway Maple	<i>Acer platanoides</i>	40	Neighbour	7.5	Good	Good	Good	15	10	Y	High	Remove	Parking lot expansion inside CRZ
28 Freeman Maple	<i>Acer x Freemanii</i>	18	Neighbour	5.0	Good	Good	Good	10	5	Y	High	Remove	Parking lot expansion inside CRZ
29 Norway Maple	<i>Acer platanoides</i>	49	Neighbour	6.5	Good	Good	Good	13	15	Y	Med	Injure	Townhome excavation inside of TPZ
30 Norway Maple	<i>Acer platanoides</i>	38	Neighbour	7.5	Good	Good	Good	15	10	N	None	Preserve	
31 Norway Maple	<i>Acer platanoides</i>	23	Neighbour	6.0	Good	Good	Good	12	5	N	None	Preserve	
32 Silver Maple	<i>Acer saccharinum</i>	119	Private	9.0	Good	Fair	Good	18	10	Y	Med	Injure	Townhome excavation inside of TPZ
33 White Ash	<i>Fraxinus americana</i>	33	Private	0.5	Dead	Dead	Dead	1	100	N	None	Preserve	Dead tree with cavity in base
34 Silver Maple	<i>Acer saccharinum</i>	138	Private	8.5	Good	Good	Good	17	5	Y	Med	Injure	Townhome excavation inside of TPZ
35 Silver Maple	<i>Acer saccharinum</i>	110	Private	7.5	Good	Fair	Fair	15	15	N	None	Preserve	
36 Eastern White Pine	<i>Pinus strobus</i>	28	Neighbour	2.5	Good	Good	Good	5	10	N	None	Preserve	
37 Mulberry	<i>Morus species</i>	12	Neighbour	3.0	Good	Fair	Fair	6	15	N	None	Preserve	
38 Silver Maple	<i>Acer saccharinum</i>	145	Neighbour	6.5	Fair	Fair	Fair	13	20	N	None	Preserve	
39 Norway Spruce	<i>Picea abies</i>	14	Neighbour	2.5	Good	Good	Good	5	0	N	None	Preserve	
40 Norway Spruce	<i>Picea abies</i>	16	Neighbour	2.5	Good	Good	Good	5	15	N	None	Preserve	
41 Black Walnut	<i>Juglans nigra</i>	42	Neighbour	7.5	Good	Good	Good	15	15	N	None	Preserve	
42 Black Walnut	<i>Juglans nigra</i>	16	Neighbour	6.5	Good	Good	Good	13	10	N	None	Preserve	
43 Black Walnut	<i>Juglans nigra</i>	56	Neighbour	8.0	Good	Good	Good	16	10	Y	Low	Injure	Townhome excavation inside of TPZ
44 Black Walnut	<i>Juglans nigra</i>	47	Neighbour	8.5	Good	Good	Good	17	10	Y	Low	Injure	Townhome excavation inside of TPZ
45 Black Walnut	<i>Juglans nigra</i>	63	Neighbour	10.0	Good	Good	Good	20	10	Y	Low	Injure	Townhome excavation inside of TPZ

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PLAN KEY

Remove	Remove
Injure	Injure
Preserve	Preserve

No.	DATE	BY	REVISIONS
1	11/25/23	CG	Tree Protection Plan

Tree Value Appraisal for neighbour/city owned trees to be removed

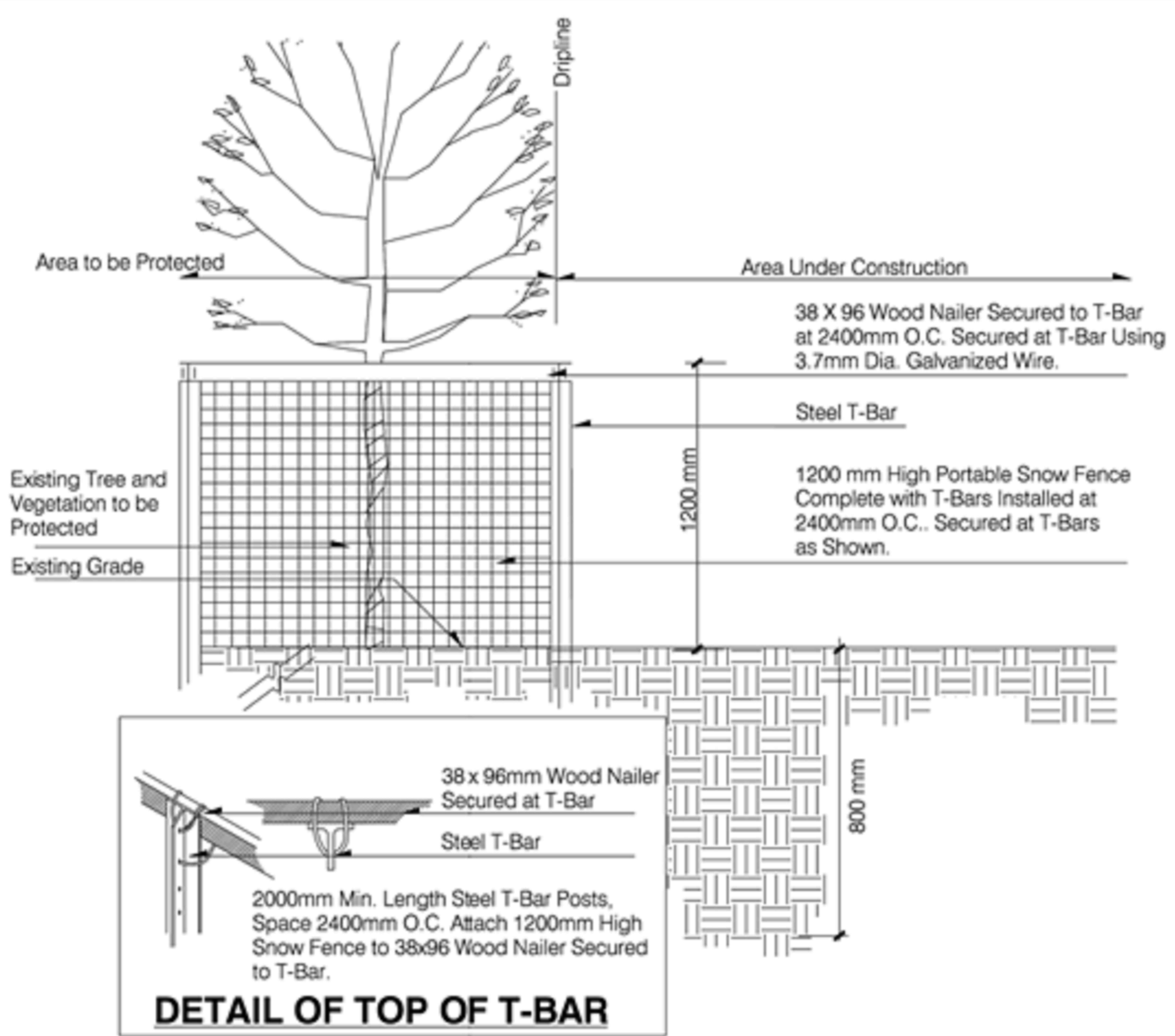
Tree #	Common Name	Botanical	Condition	DBH	Functional Limitations	Condition Rating	External Limitations	Replacement Trunk Size (cm)	Replacement Tree Cost	Installation Cost	Replacement Trunk Area (cm ²)	Appraised Trunk Area	Appraised Trunk Increase	Appraised Value
12	Norway Maple	<i>Acer platanoides</i>	Good	27	0.7	0.65	0.8	6	\$235	\$150	28.27	572.265	543.99	\$1,871.45
19	Black Cherry	<i>Prunus serotina</i>	Good	57	0.5	0.7	0.8	6	\$255	\$150	28.27	2560.6386	2532.36	\$6,579.67
24	White Mulberry	<i>Morus alba</i>	Fair	38	0.8	0.6	0.8	6	\$225	\$150	28.27	1133.54	1105.27	\$3,607.84
26	Freeman Maple	<i>Acer x Freemanii</i>	Good	30	0.8	0.7	0.8	6	\$255	\$150	28.27	706.5	678.23	\$3,035.99
27	Norway Maple	<i>Acer platanoides</i>	Good	40	0.8	0.7	0.8	6	\$255	\$150	28.27	1256	1227.73	\$15,094.96
28	Freeman Maple	<i>Acer x Freemanii</i>	Good	18	0.8	0.7	0.8	6	\$255	\$150	28.27	254.34	226.07	\$1,209.08



TITLE:
Tree Protection Plan
5881 Dunn St
Niagara Falls, ON L2G 2N9

CLIENT:
1984351 Ontario Limited

DRAWING NO.: 001	SCALE:
JOB NO.:	SHEET: 2 OF 3



SECTION

- NOTES:
1. Attachment of Fence to Trees to be Preserved is Not Allowed.
 2. Ensure Fence is Located Beyond the Drip Line of Trees to be Preserved.
 3. Fencing to be Installed Prior to Start of Construction and Remain in Place Until the Completion of All Work.

NOTES:

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PLAN KEY

No.	DATE	BY	REVISIONS
1	11/25/23	CG	Tree Protection Plan



TITLE:
Tree Protection Plan
5881 Dunn St
Niagara Falls, ON L2G 2N9

CLIENT:
1984351 Ontario Limited

DRAWING NO.: 001 SCALE:

JOB NO.: SHEET: 3 OF 3