

Tree Preservation Plan

GAPS IN NATURAL FOREST COVER (PREDOMINANTLY DECIDUOUS TREES IN NORTHERN (LOWER) PORTION OF THE PROPERTY). LOCATIONS TO BE CONFIRMED WITH SUB-SOIL DEPTH, BEDROCK LOCATIONS, AND WATER TABLE ON SITE DURING CONSTRUCTION.

FORMER DEVELOPMENT AREA (COTTAGE FOOTPRINT) TO BE REPLANTED WITH NATIVE SPECIES WITH PLANTING EXTENDING UP TO FRONT WALL OF NEW BASEMENT LEVEL. GRAVEL/MULCH PATHWAYS AND LANDSCAPE STONE STEPS TO PROVIDE ACCESS TO DOORWAYS.

EXISTING STRUCTURES TO BE REMOVED SHOWN DASHED FOR REFERENCE

SHORELINE TO BE REPLANTED WITH NATIVE SPECIES WITHIN FORMER DEVELOPMENT AREA (DOCK AND BOATHOUSE FOOTPRINT)

CONTROLLED WATER'S EDGE
CVD(28):78 = 234.42
HIGH WATER MARK
CVD(28):78 = 235.95m

CONTROLLED WATER'S EDGE
CVD(28):78 = 234.42
STONY LAKE FLOOD PLAN
ELEVATION
235.51m CVD(28) PER
OTONABET SEWER
CONVENTION AUTHORITY

FORMER SEPTIC AREA
TO BE RE-PLANTED
WITH NATIVE SPECIES
AND RE-GRADED TO
MATCH NATURAL
TOPOGRAPHY

REPAIR HOT TUB (SWIMMING POOL AS PER PLAN 3.45.2) AT BASEMENT LEVEL EMBEDDED IN LANDSCAPE WITH RETAINING WALL AND/OR NATURAL ROCK OUTCROPPINGS TO REMAIN EXPOSED. HOT TUB MECHANICAL EQUIPMENT TO BE CONTAINED WITHIN LANDSCAPE ROCK WALL, ACCESSIBLE VIA WOOD OR METAL GATE.

"RAILWAY" RAIN GARDEN TO DIRECT SURFACE WATER DOWN SLOPE AND CONTAIN RUN-OFF WITH PLANTING AND PONDS TO MANAGE STORMWATER

LANDSCAPE (STONE) STAIRS EMBEDDED IN TOPOGRAPHY WITH RETAINING WALLS ABOVE/BELOW AS REQUIRED, OR NATURAL ROCK OUTCROPPINGS TO REMAIN EXPOSED

EXISTING EXPOSED ROCK FACE AND LIMESTONE CLIFF BEYOND TO BE EXCAVATED/HAMMERED TO STABILIZE EXISTING ROCK FACES AND REMOVE LOOSE, UNSTABLE SURFICIAL BEDROCK. UNDERCUT AREAS TO BE CUT BACK TO FURTHEST POINT UNDER CUT AND RESHAPED AS PER GEOTECHNICAL ENGINEER AND SLOPE STABILITY/DRAINAGE CONSULTANT. MINIMIZE BLASTING TO MAINTAIN STABILITY OF ADJACENT EXPOSED LIMESTONE LAYERS. REFER TO GEOTECHNICAL ENGINEERING REPORT AND SLOPE STABILITY/GRADING CONSULTANT PLAN.

STRUCTURES ON ADJACENT PROPERTY ARE SHOWN NOTATIONALLY FOR REFERENCE AND ARE BASED OFF OF SATELLITE IMAGERY ACCESSED DIGITALLY THROUGH PETERBOROUGH COUNTY (TYP.)

GRADES ON ADJACENT PROPERTY ARE SHOWN NOTATIONALLY FOR REFERENCE AND ARE BASED OFF OF SATELLITE IMAGERY ACCESSED DIGITALLY THROUGH PETERBOROUGH COUNTY (TYP.) AND EXTRAPOLATING TOPOGRAPHIC SURVEY OBTAINED FOR THE PROPERTY AT 1182 BIRCHVIEW ROAD

ADJACENT DRIVEWAY AND TURN-AROUND (APPROX. LOCATION)

PROPOSED SECOND DWELLING TO BE BUILT ATOP EXPOSED ROCK OUTCROPPINGS, WITH EXPOSED UNDERSIDE AND ATOP STRUCTURAL STILT CONSTRUCTION. SEE ELEVATIONS.

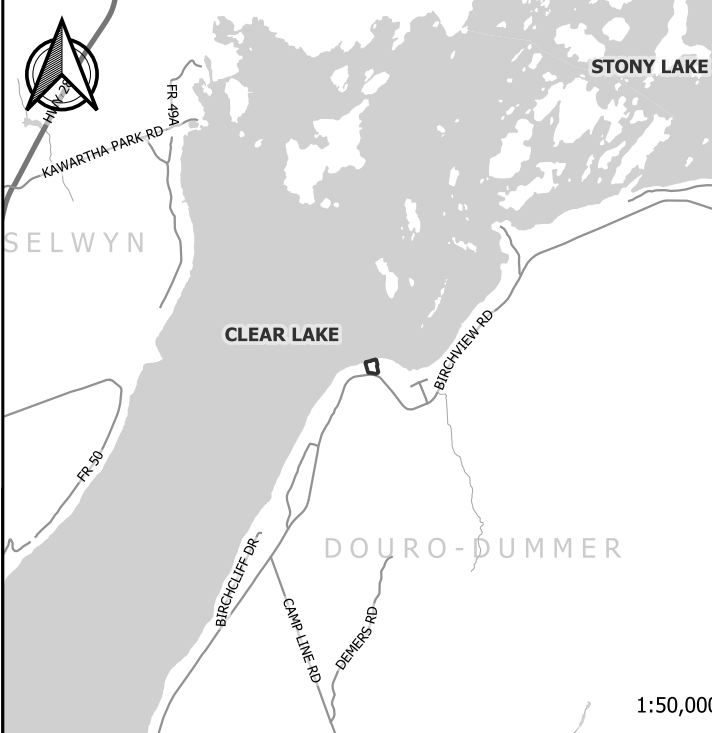
GRAVEL/MULCH PATHWAYS

TREES ON ADJACENT PROPERTY ARE SHOWN NOTATIONALLY FOR REFERENCE AND ARE BASED OFF OF SATELLITE IMAGERY ACCESSED DIGITALLY THROUGH PETERBOROUGH COUNTY (TYP.)

PROPOSED OVERHEAD UTILITY WIRES. EXISTING TREES BELOW TO BE LIMBED/PRUNED TO MAINTAIN NATURAL LANDSCAPE. TREES TO BE REMOVED ARE TO BE REPLACED WITH LOW-GROWING SPECIES TO AVOID FUTURE CONFLICTS WITH WIRES.

DRIVEWAYS AND PAVED AREAS ON ADJACENT PROPERTY ARE SHOWN NOTATIONALLY FOR REFERENCE AND ARE BASED OFF OF SATELLITE IMAGERY ACCESSED DIGITALLY THROUGH PETERBOROUGH COUNTY (TYP.)

ADJACENT DRIVEWAY AND ROADWAY ACCESS (APPROX. LOCATION)



1:50,000

Legend:

- Approximate Canopy
- Tree Protection Zone
- ▭ Tree Preservation Hoarding
- ▭ Proposed Building
- ▭ Proposed Driveway
- ▭ Proposed Septic
- ▭ Existing Building
- ▭ To be Removed
- ▭ Proposed Hardscaping
- ▭ Area of Work
- Tree Inventory
- ⊗ Tree to be Retained
- ⊗ Tree to be Removed

Title:

Tree Inventory and Preservation Plan (Page 1 of 4)

Prepared For:

David Zemans and Catherine Poyen Zemans

Approved By:



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ISA Certified Arborist
ON-374011A

Signature: *m.sallows*

Date: June 4, 2026

Revision #	Date	Comments
1	June 2, 2026	Issued For Review
2	June 3, 2026	Issued For Review
3	June 4, 2026	Site Plan Update
4		
5		
6		
7		

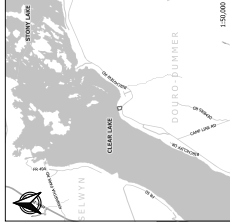


Designed by: N.E.
Date: 06/04/2026
Project: SEC26-082

Scale: 1:200

0 10 20 30 40 50

NEW NATIVE-SPECIES TREES TO BE PLANTED ADJACENT TO STREETLINE TO INFILL EXISTING 60m IN NATURAL FOREST COVER (PREDOMINANTLY DECIDUOUS TREES IN SOUTHERN (UPPER) PORTION OF THE PROPERTY). LOCATIONS TO BE CONFIRMED WITH SUB-SOIL DEPTH AND BEDROCK LOCATIONS ON-SITE DURING CONSTRUCTION.



Tree Inventory

Tree ID	Tag No.	Scientific Name	Common Name	Approx. Radius (m)	Health	Comments	Hazard (TNY)	Recommendation
52	141	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare - Pruning damage	1.69	Remove
53	142	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare - Broken stem	1.32	Remove
54	143	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Poor	- Included bark at root flare - Decay at root flare - Broken stem	1.65	Remove
55	144	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Broken limb - Decay at root flare - Broken stem	2.094	Remove
56	145	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare - Broken stem	1.70	Remove
57	146	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare - Broken stem	1.48	Remove
58	147	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at crown - Lower crown dieback	1.2	Remove
59	148	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Decay at root flare - Decay/hollow on main stem - Ectopic shoots throughout	1.44	Remove
60	149	<i>Thuja occidentalis</i>	Eastern White Cedar	0	Fair	- Decay at root flare - Crown dieback	1.2	Remove
61	150	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Poor	- Decay at root flare - Broken limb - Broken stem	1.14	Remove
62	151	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Poor	- Decay at root flare - Broken limb - Broken stem	1.2	Remove
63	152	<i>Thuja occidentalis</i>	Eastern White Cedar	0	Fair	- Decay at root flare - Included bark at crown	1.14	Remove
64	153	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Broken limb - Decay at root flare - Broken stem	1.2	Remove
65	154	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Lower crown dieback - Decay at root flare - Included bark at crown	1.2	Remove
66	155	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Decay at root flare - Decay at root flare - Broken limb	2.52	Remove
67	156	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Broken limb - Decay at root flare - Learning	1.95	Remove
68	157	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Broken limb - Decay at root flare - Crown dieback	1.08	Remove
69	158	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Broken limb - Decay at root flare - Learning	0.84	Remove
70	159	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Broken limb - Decay at root flare - Included bark at root flare	1.99	Remove
71	160	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Broken limb - Decay at root flare - Included bark at root flare	1.8	Remove
72	161	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay at root flare	1.2	Remove
73	162	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare	2.27	Remove
74	163	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare	1.29	Remove
75	164	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay/hollow on main stem	2.88	Remove
76	165	<i>Thuja occidentalis</i>	Eastern White Cedar	3	Poor	- Decay at root flare - Decay/hollow on main stem - No living crown	2.3	Remove
77	166	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Poor	- Decay at root flare - Decay/hollow on main stem - Learning	0.9	Remove
78	167	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay/hollow on main stem - Learning	1.06	Remove
79	168	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay/hollow on main stem - Learning	1.06	Remove
80	169	<i>Fraxinus americana</i>	White Ash	0	Poor	- Included bark at root flare - Decay/hollow on main stem - Ectopic shoots throughout	1.39	Remove
81	170	<i>Acer saccharum</i>	Sugar Maple	0	Fair	- Decay at root flare - Ectopic shoots throughout	1.38	Remove
82	171	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay at root flare	1.74	Remove
83	172	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay at root flare	1.8	Remove
84	173	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay at root flare	2.052	Remove
85	174	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay at root flare	1.69	Remove
86	175	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare	1.62	Remove
87	176	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at crown - Decay/hollow on main stem	1.29	Remove
88	177	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Poor	- Included bark at root flare - Decay/hollow on main stem	1.68	Remove
89	178	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay at root flare	2.10	Remove
90	179	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Crown dieback	1.72	Remove

Tree ID	Tag No.	Scientific Name	Common Name	Approx. Radius (m)	Health	Comments	Hazard (TNY)	Recommendation
1	101	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Good	- Included bark at root flare	1.028	Preserve
2	102	<i>Thuja occidentalis</i>	Eastern White Cedar	3	Fair	- Ectopic shoots on main stem - Decay at root flare	1.32	Preserve
3	103	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Ectopic shoots on main stem - Decay at root flare	1.44	Preserve
4	-	<i>Fraxinus americana</i>	White Ash	0	Poor	- Ectopic shoots on main stem - Decay at root flare	0.78	Preserve
5	104	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Decay at root flare - Ectopic shoots on main stem	0.78	Preserve
6	105	<i>Thuja occidentalis</i>	Eastern White Cedar	3	Fair	- Decay at root flare - Ectopic shoots on main stem	1.32	Preserve
7	106	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare	0.78	Preserve
8	107	<i>Thuja occidentalis</i>	Eastern White Cedar	3	Fair	- Lower crown dieback - Decay at root flare	2.46	Preserve
9	108	<i>Thuja occidentalis</i>	Eastern White Cedar	0	Fair	- Included bark at root flare - Decay at root flare	0.78	Preserve
10	109	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay at root flare	1.26	Preserve
11	-	<i>Fraxinus americana</i>	White Ash	1	Poor	- Ectopic shoots on main stem - Decay at root flare - Ectopic shoots throughout	1.32	Preserve
12	-	<i>Fraxinus americana</i>	White Ash	0	Poor	- Ectopic shoots on main stem - Decay at root flare - Ectopic shoots throughout	1.62	Preserve
13	110	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay at root flare	1.26	Preserve
14	111	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay at root flare	0.72	Preserve
15	112	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare	1.35	Preserve
16	113	<i>Thuja occidentalis</i>	Eastern White Cedar	3	Fair	- Included bark at root flare - Decay at root flare	2.81	Preserve
17	114	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay at root flare	1.8	Remove
18	115	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Decay at root flare - Crown dieback	2.74	Remove
19	116	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Decay at root flare - Crown dieback	0.96	Remove
20	117	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare	1.02	Remove
21	118	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare	1.44	Remove
22	119	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare	0.72	Remove
23	120	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare	1.32	Remove
24	121	<i>Thuja occidentalis</i>	Eastern White Cedar	3	Fair	- Included bark at root flare - Decay at root flare	2.82	Remove
25	-	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare	1.132	Preserve
26	-	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare	0.93	Preserve
27	-	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare	0.9	Preserve
28	-	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare	1.12	Preserve
29	122	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Good	- Included bark at root flare - Decay at root flare	0.66	Preserve
30	123	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Poor	- Lower crown dieback - Decay at root flare	0.78	Preserve
31	-	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Thin crown - Decay at root flare	0.66	Preserve
32	124	<i>Betula papyrifera</i>	Paper Birch	2	Good	- Thin crown - Peeling bark - Ectopic shoots	1.18	Remove
33	125	<i>Betula papyrifera</i>	Paper Birch	2	Fair	- Peeling bark - Ectopic shoots	0.78	Remove
34	126	<i>Thuja occidentalis</i>	Eastern White Cedar	3	Fair	- Included bark at root flare - Decay at root flare	1.74	Remove
35	-	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay at root flare	0.87	Preserve
36	-	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay at root flare	0.72	Preserve
37	-	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare	0.72	Preserve
38	127	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay at root flare	1.26	Preserve
39	128	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Damaged bark - Decay at root flare	2.249	Remove
40	129	<i>Thuja occidentalis</i>	Eastern White Cedar	0	Poor	- Decay/hollow on main stem - No living crown	1.26	Preserve
41	130	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay at root flare	1.662	Preserve
42	131	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Poor	- No living crown - Decay/hollow on main stem	1.416	Remove
43	132	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- No living crown - Decay/hollow on main stem	1.2	Remove
44	133	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay at root flare	1.08	Preserve
45	134	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay at root flare	3.39	Remove
46	135	<i>Thuja occidentalis</i>	Eastern White Cedar	3	Fair	- Decay at root flare - Decay at root flare	0.9	Remove
47	136	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Poor	- Crown dieback - Decay at root flare	1.278	Remove
48	137	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Decay at root flare - Crown dieback	1.44	Remove
49	138	<i>Thuja occidentalis</i>	Eastern White Cedar	2	Fair	- Included bark at root flare - Decay at root flare	0.72	Remove
50	139	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Decay at root flare	1.62	Remove
51	140	<i>Thuja occidentalis</i>	Eastern White Cedar	1	Fair	- Included bark at root flare - Crown dieback	1.62	Remove

Tree Inventory and Preservation Plan (Page 2 of 4)

Prepared for:

David Zemans and Catherine Poyen Zemans

Revision #	Date	Comments
1	June 2, 2024	Issued For Review
2	June 3, 2024	Issued For Review
3	June 4, 2024	Site Plan Final
4	June 4, 2024	Site Plan Final
5	June 6, 2024	Site Plan Final
6	June 6, 2024	Site Plan Final
7	June 6, 2024	Site Plan Final



Drawn by: NZ
Checked by: NZ
Approved by: NZ

