

SPECIFICATIONS																								
A. General																								
The following Tree Preservation and Protection Measures will be undertaken to help eliminate and/or significantly reduce construction injury to all trees recommended for preservation. All temporary tree protection measures cited for retained trees must comply with the Town of Caledon Tree Protection Specifications and Details. Any variation from the standard tree protection measures must be approved in writing by the Town of Caledon.																								
B. Pre-Construction Phase																								
1. Prior to construction, the trees to be preserved shall be protected with a Tree Protection Barrier. The barrier shall consist of 1.2m (4ft) high orange plastic snow fence wired to T-bars (see Town of Caledon Tree Protection Fencing, STD 606).	6. Where fill or excavated material must be temporarily located near a TPZ, a wooden barrier must be used to ensure no material enters the TPZ.	7. Remove any garbage and foreign debris from the tree protection zones. See details.	8. For the trees that were recommended for removal and/or crown pruning that are within the TPZ limits, these activities are to be performed by a qualified ISA certified arborist prior to the installation of the Tree Protection Zone barrier and prior to the commencement of any construction activities. Install the Tree Protection Zone barrier as per Tree Preservation Fencing, STD 606 at the limits shown on the tree inventory and protection plan after the tree removal, whichever is greater, and crown pruning activities are completed.	9. The Tree Protection Zone sign must be mounted on all sides of the tree protection barrier for the duration of site construction. The sign should be a minimum of 450mm x 450mm and made of unbleached board shall meet or exceed OPSD-219.110, and be installed to the satisfaction of the Town of Caledon.																				
2. If applicable, attach a filler cloth 600mm high to the construction side of the hoarding to act as a sediment control. Sediment control fencing shall meet or exceed OPSD-219.110, and be installed to the satisfaction of the Town of Caledon.	10. The sign must be similar to the illustration shown below, or as directed by the Town of Caledon.	<table border="1"> <thead> <tr> <th colspan="2">TREE PROTECTION ZONE</th> </tr> <tr> <th colspan="2">No work to be done in the Tree Protection Zone</th> </tr> </thead> <tbody> <tr> <td colspan="2">This illustration is for informational purposes only. It is not intended to be used as a standard. The actual sign must be approved by the Town of Caledon.</td> </tr> </tbody> </table>			TREE PROTECTION ZONE		No work to be done in the Tree Protection Zone		This illustration is for informational purposes only. It is not intended to be used as a standard. The actual sign must be approved by the Town of Caledon.															
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3. All supports and bracing used to safely secure the barrier should be located outside the Tree Protection Zone (TPZ). All supports and bracing should minimize damage to roots.	11. All contractors and site visitors should be informed of the tree preservation and protection measures at a pre-construction meeting.	specifications continued on next page.																						
4. The TPZ levels are to be marked along the edge of the tree protection zones. This hoarding is to remain in place and remain in good condition throughout the entire duration of the project. Dismantling the tree protection barrier prior to approval by the Town of Caledon staff may constitute a contravention.																								
5. The applicant shall notify the Town of Caledon and the consulting certified arborist or landscape architect to confirm that the tree protection barriers are in place.																								
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1 TREE PRESERVATION STANDARD NOTES
TOWN OF CALEDON

COMPENSATION WILL BE REQUIRED FOR ALL TREE REMOVALS AT A RATE DETERMINED IN THE TOWN'S TREE REMOVAL COMPENSATION CHART. TREE COMPENSATION PLANTING WILL BE IN ADDITION TO THE STANDARD REQUIRED PLANTING. IN THE EVENT TREE COMPENSATION CANNOT BE ACCOMMODATED FOR IN THE PLANTING DESIGN, FINANCIAL COMPENSATION SHALL BE COLLECTED AT A RATE DETERMINED BY THE TOWN, BASED ON THE COMPENSATION CHART. THREE (3) REPLACEMENT TREES ARE REQUIRED TO COMPENSATE FOR THE REMOVAL OF TREES ON THE SUBJECT PROPERTY.

REMOVALS SHOULD OCCUR OUTSIDE OF THE BREEDING BIRD SEASON (APRIL 1 – AUGUST 1); IF THIS IS NOT POSSIBLE, CLEARANCE WITH AN ECOLOGIST SHOULD OCCUR PRIOR TO CONSTRUCTION TO ENSURE NO LOSS OF BIRD NESTS, EGGS, OR UNFLEDGED YOUNG.

ANY TREES LOCATED ON PROPERTY LINE OR ON THE ADJACENT PROPERTY THAT ARE PROPOSED TO BE REMOVED, PRUNED OR INJURED, WILL REQUIRE WRITTEN CONSENT FROM THE ADJACENT LANDOWNER. A CORRESPONDENCE IS TO BE FORWARDED TO THE TOWN PRIOR TO ANY REMOVALS.

AREAS WITHIN THE TREE PROTECTION ZONE SHALL REMAIN UNDISTURBED FOR THE DURATION OF SITE CONSTRUCTION AND SHALL NOT BE USED FOR THE STORAGE OF EXCAVATED FILL, BUILDING/CONSTRUCTION MATERIAL, STRUCTURES, OR EQUIPMENT.

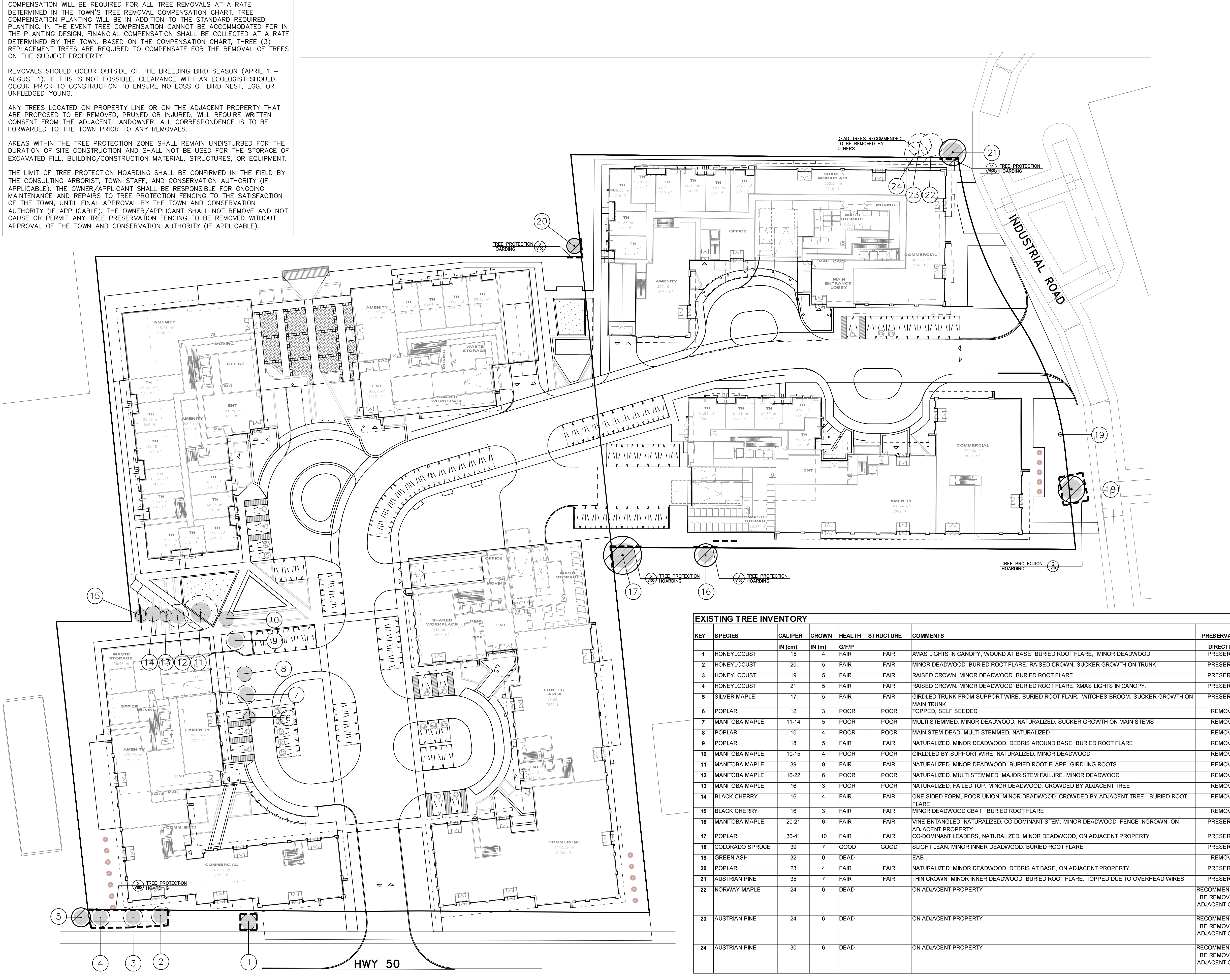
THE LIMIT OF TREE PROTECTION HOARDING SHALL BE CONFIRMED IN THE FIELD BY THE CONSULTING ARBORIST, TOWN STAFF, AND CONSERVATION AUTHORITY (IF APPLICABLE). THE OWNER/APPLICANT SHALL BE RESPONSIBLE FOR ONGOING MAINTENANCE AND REPAIRS TO TREE PROTECTION FENCING TO THE SATISFACTION OF THE TOWN, UNTIL FINAL APPROVAL BY THE TOWN AND CONSERVATION AUTHORITY (IF APPLICABLE). THE OWNER/APPLICANT SHALL NOT REMOVE AND NOT CAUSE OR PERMIT ANY TREE PRESERVATION FENCING TO BE REMOVED WITHOUT APPROVAL OF THE TOWN AND CONSERVATION AUTHORITY (IF APPLICABLE).

SPECIFICATIONS																								
C. During Construction Phase																								
1. At areas where the TPZ shall remain undisturbed for the duration of construction, there will be no grade changes, dumping, and storage of any materials, structures or equipment within these areas. The Tree Protection Barrier must not be removed without the written authorization of the Town of Caledon.	2. Minor grading works will be permitted at the edge of the preservation zone as required to correct isolated depressions, and to level existing grades. The work to be undertaken under the direct supervision of an ISA certified arborist. A certified ISA arborist will undertake proper root pruning in accordance with acceptable arboriculture practices when and if roots of retained trees are to be exposed, damaged, or severed by construction work. The exposed roots will be backfilled with appropriate material as soon as possible to prevent desiccation. Root pruning prior to excavation will help prevent necessary damage to tree roots. The use of air pressure hydraulic to expose roots is recommended, if not additional cost.	3. The Town of Caledon must be notified for all work that impacts the TPZ for temporary removal of a section of hoarding to gain access for the grading or other works. All works are to be supervised by the Town of Caledon.	4. No cables, wire or ropes of any kind shall be strung across or installed in trees to be preserved.	5. No containers will be dumped or stored in the TPZ areas or where feeder roots of trees exist (generally beyond the TPZ areas).																				
D. Post-Construction Phase																								
Following the completion of all site works including landscaping, and after review and approval by the Town of Caledon staff, the protective hoarding may be removed.																								
2. After removal of the protective hoarding, the Tree Preservation Zones shall be inspected by the Town of Caledon staff. Any remaining dead, diseased, or hazardous limbs or trees are to be removed by an ISA certified arborist as directed by the consulting arborist or Town of Caledon staff.																								
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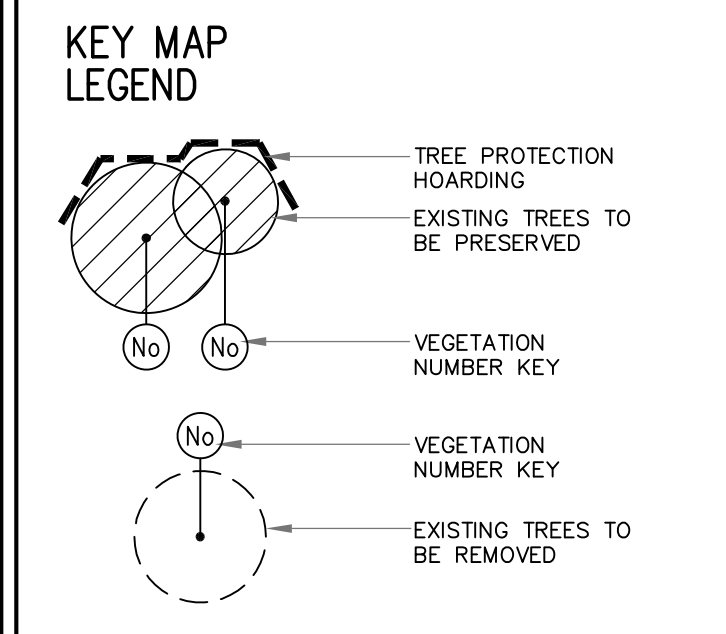
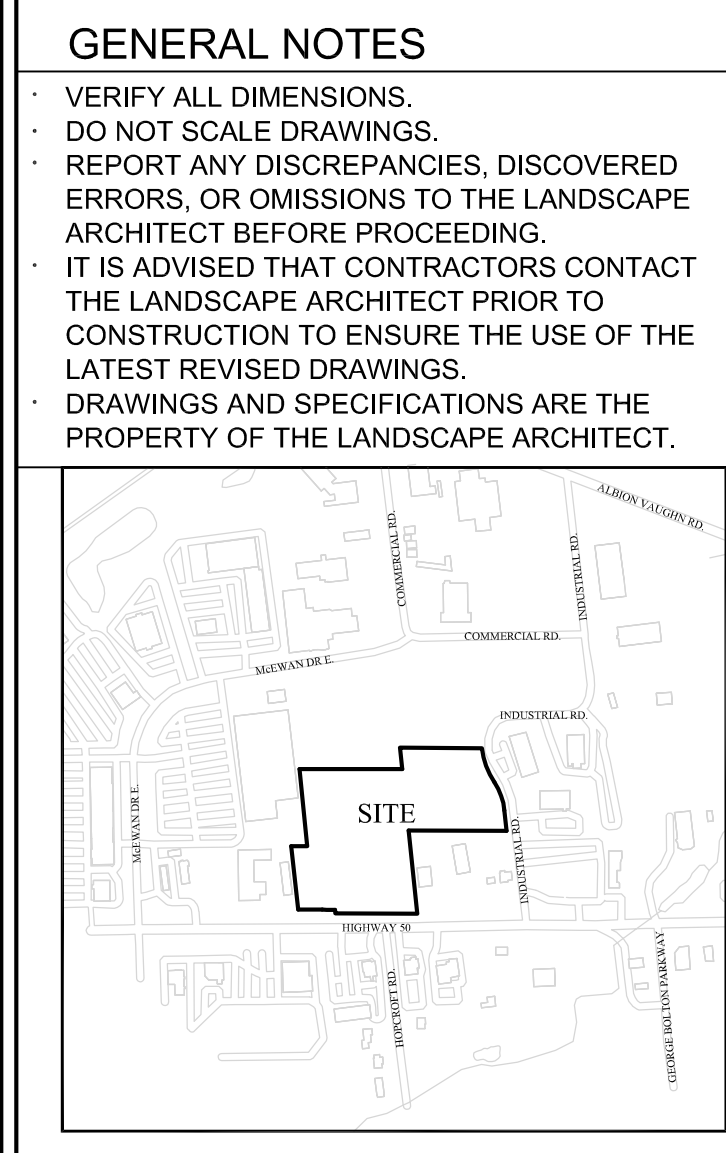
2 TREE PRESERVATION HOARDING
TOWN OF CALEDON

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1. PRIOR TO INSTALLATION OF THE PROTECTIVE HOARDING AND BEFORE ANY BUILDING OR LANDSCAPING WORK BEGINS, ALL EXISTING TREES THAT ARE TO BE PRESERVED SHALL BE IDENTIFIED AND PROTECTED WITH AN UNBROKEN TREE PROTECTION HOARDING. THE HOARDING SHALL BE INSTALLED TO THE SATISFACTION OF THE TOWN OF CALEDON.																								
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2 TREE PRESERVATION HOARDING
TOWN OF CALEDON



KEY	SPECIES	CALIPER	CROWN	HEALTH	STRUCTURE	COMMENTS	PRESERVATION	MIN. TPZ	KEY
		IN (cm)	IN (m)				DIRECTION		
1	HONEYLOCUST	15	4	FAIR	FAIR	XMAS LIGHTS IN CANOPY; WOUND AT BASE; BURIED ROOT FLARE; MINOR DEADWOOD	PRESERVE	1.8	1
2	HONEYLOCUST	20	5	FAIR	FAIR	MINOR DEADWOOD; BURIED ROOT FLARE; RAISED CROWN; SUCKER GROWTH ON TRUNK	PRESERVE	1.8	2
3	HONEYLOCUST	19	5	FAIR	FAIR	RAISED CROWN; MINOR DEADWOOD; BURIED ROOT FLARE	PRESERVE	1.8	3
4	HONEYLOCUST	21	5	FAIR	FAIR	RAISED CROWN; MINOR DEADWOOD; BURIED ROOT FLARE; XMAS LIGHTS IN CANOPY	PRESERVE	1.8	4
5	SILVER MAPLE	17	5	FAIR	FAIR	GIRDLED TRUNK FROM SUPPORT WIRE; BURIED ROOT FLARE; WITCHES BROOM; SUCKER GROWTH ON MAIN TRUNK	PRESERVE	1.8	5
6	POPLAR	12	3	POOR	POOR	TOPPED; SELF SEEDING	REMOVE	1.8	6
7	MANITOBA MAPLE	11-14	5	POOR	POOR	MULTI STEMMED; MINOR DEADWOOD; NATURALIZED; SUCKER GROWTH ON MAIN STEMS	REMOVE	1.8	7
8	POPLAR	10	4	POOR	POOR	MAIN STEM DEAD; MULTI STEMMED; NATURALIZED	REMOVE	1.8	8
9	POPLAR	18	5	FAIR	FAIR	NATURALIZED; MINOR DEADWOOD; DEBRIS AROUND BASE; BURIED ROOT FLARE	REMOVE	1.8	9
10	MANITOBA MAPLE	10-15	4	POOR	POOR	GIRDLED BY SUPPORT WIRE; NATURALIZED; MINOR DEADWOOD	REMOVE	1.8	10
11	MANITOBA MAPLE	39	9	FAIR	FAIR	NATURALIZED; MINOR DEADWOOD; BURIED ROOT FLARE; GIRDLING ROOTS	REMOVE	2.4	11
12	MANITOBA MAPLE	16-22	6	POOR	POOR	NATURALIZED; MULTI STEMMED; MAJOR STEM FAILURE; MINOR DEADWOOD	REMOVE	1.8	12
13	MANITOBA MAPLE	16	3	POOR	POOR	NATURALIZED; FAILED TOP; MINOR DEADWOOD; CROWDED BY ADJACENT TREE	REMOVE	1.8	13
14	BLACK CHERRY	16	4	FAIR	FAIR	ONE SIDED FORM; POOR UNION; MINOR DEADWOOD; CROWDED BY ADJACENT TREE; BURIED ROOT FLARE	REMOVE	1.8	14
15	BLACK CHERRY	16	3	FAIR	FAIR	MINOR DEADWOOD CBAT; BURIED ROOT FLARE	REMOVE	1.8	15
16	MANITOBA MAPLE	20-21	6	FAIR	FAIR	VINE ENTANGLED; NATURALIZED; CO-DOMINANT STEM; MINOR DEADWOOD; FENCE IN GROWN ON ADJACENT PROPERTY	REMOVE	1.8	16
17	POPLAR	36-41	10	FAIR	FAIR	CO-DOMINANT LEADERS; NATURALIZED; MINOR DEADWOOD; ON ADJACENT PROPERTY	PRESERVE	3.0	17
18	COLORADO SPRUCE	39	7	GOOD	GOOD	SLEIGHT LEAN; MINOR INNER DEADWOOD; BURIED ROOT FLARE	PRESERVE	2.4	18
19	GREEN ASH	32	0	DEAD	DEAD	EAB	REMOVE	NA	19
20	POPLAR	23	4	FAIR	FAIR	NATURALIZED; MINOR DEADWOOD; DEBRIS AT BASE; ON ADJACENT PROPERTY	PRESERVE	1.8	20
21	AUSTRIAN PINE	35	7	FAIR	FAIR	THIN CROWN; MINOR INNER DEADWOOD; BURIED ROOT FLARE; TOPPED DUE TO OVERHEAD WIRES	PRESERVE	2.4	21
22	NORWAY MAPLE	24	6	DEAD	DEAD	ON ADJACENT PROPERTY	RECOMMENDED TO BE REMOVED BY ADJACENT OWNER	1.8	22
23	AUSTRIAN PINE	24	6	DEAD	DEAD	ON ADJACENT PROPERTY	RECOMMENDED TO BE REMOVED BY ADJACENT OWNER	1.8	23
24	AUSTRIAN PINE	30	6	DEAD	DEAD	ON ADJACENT PROPERTY	RECOMMENDED TO BE REMOVED BY ADJACENT OWNER	2.4	24

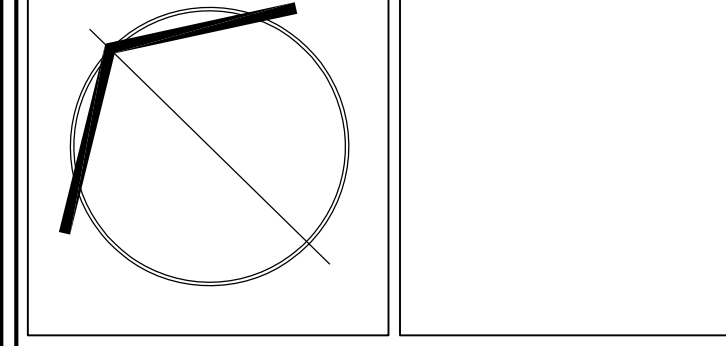


Matthew C. Gies
MATTHEW C. GIES
International Society of Arboriculture
Certified Arborist #ON-1144
Date: FEB 22, 2022

LIST OF DRAWINGS:

NO.	DATE	REVISION	ISSUED FOR	BY
2	2022-02-22		ISSUED FOR RE-SUBMISSION	BB
1	2021-03-03		ISSUED FOR SUBMISSION	BB

It is the responsibility of the Contractor and/or Owner to ensure that the drawings with the latest revisions are used for construction.



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WWW.STRYBOS.COM

STRYBOS BARRON KING
LANDSCAPE ARCHITECTURE

PROJECT:
PROPOSED HIGHRISE DEVELOPMENT
12563 & 12599 HWY 50
BOLTON - ONTARIO

DRAWING TITLE:
EXISTING TREE INVENTORY AND PRESERVATION PLAN

SCALE: 1 : 500	PROJECT No. 20-5528
DATE: DECEMBER 2020	DRAWING No. V100
DRAWN BY: SS/AL	
CHECKED BY: SM/BB	