# Tree Inventory and Preservation Plan Report 13290 Nunnville Road Caledon, Ontario

TOWN OF CALEDON PLANNING RECEIVED

Mar 23, 2023

prepared for

Bolton Summit Developments Inc. 6198 Tremaine Court Mississauga, Ontario L5V 4B5

prepared by



PO Box 1267 Lakeshore W PO 146 Lakeshore Road West Oakville ON L6K 0B3 289.837.1871 www.kuntzforestry.ca consult@kuntzforestry.ca

6 April 2022, revised 10 January 2023, 14 February 2023 and 6 March 2023

KUNTZ FORESTRY CONSULTING Inc. Project P3110

#### Introduction

Kuntz Forestry Consulting Inc. was retained by Bolton Summit Developments Inc. to complete a Tree Inventory and Preservation Plan Report in support of a development application for the property at 13290 Nunnville Road in the Town of Caledon, Ontario. The subject property is located on the north end of Nunnville Road, within a residential area

The work plan for this study included the following:

- Prepare inventory of the tree resources over 10cm on and within six metres of the proposed development;
- Evaluate tree saving opportunities based on proposed site plans and grading; and,
- Document the findings in a Tree Inventory and Preservation Plan report.

Trees included were visually assessed for condition utilizing the following parameters:

**Tree #** - number assigned to trees that corresponds to Figure 1.

**Species** - common and botanical names provided in the inventory table.

**DBH** - diameter (centimeters) at breast height, measured at 1.4 m above the ground.

**Condition** - condition of tree considering trunk integrity (TI), crown structure (CS) and crown vigor (CV). Condition ratings include poor (P), fair (F), and good (G);

**Crown Die Back** – Percentage of dead branches within the crown.

Drip Line - Crown radius; and

**Comments** – Any other relevant tree condition information.

The results of the evaluation are provided below.

## Methodology

Trees measuring over 10cm DBH on and within six metres of the proposed development were identified included in the tree inventory. Trees were located using a handheld GPS unit (Trimble GeoExplorer® 6000 series) accurate to ±1m. Trees included in the inventory were identified with numbers 289-300 and 401-459. Trees located on the neighbouring properties are identified with letters A-C. Tree locations are shown on Figure 1. See Table 1 for the results of the inventory.

## **Existing Site Conditions**

The subject property is currently occupied by one residential dwelling, a shed, and an asphalt driveway. There is a woodlot on the west and east side of the subject property regulated by the Toronto and Region Conservation Authority (TRCA). Tree resources exist in the form of landscape trees and natural generations. Refer to Figure 1 for the existing site conditions.

#### **Individual Tree Resources**

The tree inventory was conducted on 11 March 2022. The inventory documented 74 trees on and within six metres of the proposed development. Refer to Table 1 for the full tree inventory and Figure 1 for the location of tree reported in the tree inventory.

Tree resources included in the inventory are Freeman Maple (*Acer x freemanii*), Manitoba Maple (*Acer negundo*), Norway Maple (*Acer platanoides*), Shademaster Honey Locust (*Gleditsia triacanthos 'inermis'*), Black Walnut (*Juglans nigra*), Apple Species (*Malus spp.*), White Mulberry (*Morus alba*), White Spruce (*Picea glauca*), Blue Spruce (*Picea pungens*), Red Pine (*Pinus*)

resinosa), Scots Pine (*Pinus sylvestris*), Bur Oak (*Quercus macrocarpa*), Red Oak (*Quercus rubra*), Ivory Silk Lilac (*Syringa reticulata 'Ivory Silk'*), and Eastern White Cedar (*Thuja occidentalis*).

The woodlot located on the west side of the subject property is dominated by invasive European Buckthorn (*Rhamnus cathartica*) with scattered Hawthorns (*Crataegus spp.*). This woodlot can be a candidate for restoration opportunities.

## **Proposed Development**

The proposed development includes the demolition of the existing dwelling and the construction of 15 townhouses and associated driveway. Refer to Figure 1 for the proposed development.

### Discussion

The following sections provide a discussion and analysis of development impacts, tree removal requirements and tree preservation relative to the proposed development.

#### Development Impacts/Tree Removals

The removal of 39 trees is required to accommodate the proposed development. Required tree removals include Trees 290-300, 401-408, 426, 442, 444-459, B and C. Trees 295-300, 401-406 and C are located within the Town road right-of-way; the remaining trees for removal are located within the subject property. Refer to Figure 1 for the location of the proposed tree removals.

During the construction and prior to the final approval by the Town of Caledon, KFCI staff along with appropriate Town staff shall inspect the entire site. Any noted hazardous trees must be identified and removed prior to final approval. No additional hazard tree monitoring will be required as all hazard trees should be removed prior to the proposed development. All tree removals must be conducted outside of the bird breeding season (April 1<sup>st</sup> – August 1<sup>st</sup>).

The owner must retain the same Certified Arborist to carry out the recommendations in TIPP report to the satisfaction of the Town. A certification letter will be provided by a Certified Arborist that tree removals have been completed as per the approved TIPP report. An additional certification letter from the same Arborist that confirms any long-term requirements and recommendations in the report have been carried out.

The owner is solely responsible for ongoing maintenance and repairs to tree protection fencing throughout the proposed development.

### Tree Preservation

The preservation of the remaining 35 trees will be possible with appropriate tree protection measures. Recommended tree preservation includes Trees 289, 409-425, 427-441, 443, and A. Sediment and erosion control fencing should be sufficient as tree protection fencing. Refer to Figure 1 for the location of prescribed tree preservation fencing, further tree preservation plan notes and the tree protection fencing detail.

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 materials, 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 the 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 the approval of the Town and conservation authority (if applicable).

## **Tree Compensation**

The Town of Caledon requires tree compensation for any healthy tree removal. The compensation ratio is below:

Diameter at Breast Height (DBH)	Compensation Ratio
<10cm	Not applicable
10-20cm	1:1
21-35cm	2:1
36-50cm	3:1
51-65cm	4:1
>65cm	5:1

The removal of 22 private trees is proposed to accommodate the proposed site plan. Trees 455 and 457 are in poor condition and not applicable to compensation requirements. As such, a total of 38 replacement plantings is required on the subject property. Refer to Landscape Plan for the planting plan.

## **Summary and Recommendations**

Kuntz Forestry Consulting Inc. was retained by Bolton Summit Developments Inc. to complete a Tree Inventory and Preservation Plan in support of a development application for the property located at 13290 Nunnville Road in Caledon, Ontario. A tree inventory was conducted and reviewed in the context of the proposed development plan.

The findings of the study indicate a total of 74 trees on and within six metres of the proposed development. The removal of 39 trees is required to accommodate the proposed development. The preservation of the remaining 35 trees will be possible with appropriate tree protection measures.

The following recommendations are suggested to minimize impacts to trees identified for preservation. Refer to Figure 1 for additional Tree Protection Plan Notes and tree preservation fence detail.

- Tree protection barriers and fencing should be erected at locations as prescribed on Figure 1.
   All tree protection measures should follow the guidelines as set out in the tree preservation plan notes and the tree preservation fencing detail.
- No construction activity including surface treatments, excavations of any kind, storage of
  materials or vehicles, unless specifically outlined above, is permitted within the area identified
  on Figure 1 as a tree protection zone (TPZ) at any time during or after construction.
- Site visits, pre, during and post construction is recommended by either a certified consulting arborist (I.S.A.) or registered professional forester (R.P.F.) to ensure proper utilization of tree

protection barriers. Trees should also be inspected for damage incurred during construction to ensure appropriate pruning or other measures are implemented.

Respectfully Submitted, Kuntz Forestry Consulting Inc.

Kaho Hayashi

Kaho Hayashi, B.Sc., M.Sc.F. Associate Forest Ecologist ISA Certified Arborist #ON-2153A

# **Table 1. Tree Inventory**

Location: 13290 Nunnville Road, Caledon Date: 11 March 2022 Surveyors: KH

Tree of   Common Name													
250   100	Tree #	Common Name	Scientific Name	DBH	TI	CS	CV	CDB	DL	Comments	Owner	Action	Comp.
282   Scote Press	289	Red Oak	Quercus rubra	11.0	FG	G	G		1.5	Seam (L)	Town	Preserve	
Section   Prince   Prince   Section   Sectio	290	Red Pine	Pinus resinosa	5.5	D	D	G		1.0		Town	Remove	-
280   Freeman Margio	291	Freeman Maple	Acer x freemanii	4, 3.5	FG	G	G		1.0	Union at base	Town	Remove	-
256   Freeman Mayle   Acer & Freeman   6.0   G   G   G   10	292	Scots Pine	Pinus sylvestris	8.0	G	G	G		1.0		Town	Remove	-
294   Ferenan Mayle   Alex & Ferenaud   8.0   G   G   C   1.0	293	Freeman Maple	Acer x freemanii	8, 7.5	FG	G	G		1.5	Co-dominance at 0.1m	Town	Remove	-
288   Freeman Magos												Remove	-
298   Minkle Spuce   Pince glauce   10.5   G   G   G   L   L   Dook (L)   Town   Remove   1.													-
287   Ferreiran Misple										Crook (L)			-
289   Freeman Margine   Private systems   7.5   G   G   G   1.0   Tourn   Remove										Crook (L)			1
2999   Freeman Mingle   Acer x Feenman   5.5   G   G   G   1.5													
200   White Sprace   Pices places   15.0   G   G   G   1.5   Town   Remose   - 1.6   Freeman   Register   Remose   - 1.6   Freeman   Remose   - 1.6   Remose													-
Accordance													-
2005 Prine													-
403   Accord Prime   Prime systems   13.5   E   G   FG   FG   C   1.5   Co-dominance at 1.6m   Town   Remote   According to the prime   Prime systems   14.0   G   G   G   1.5   Town   Remote   According to the prime   Prime systems   12.0   G   G   G   1.5   Town   Remote   According to the prime   Prime systems   According to the prime   Pri													-
405 White Spurce			Pinus sylvestris								Town	Remove	-
Add   White Spuce			Picea glauca							Co-dominance at 1.6m			-
A07   Bur Outs   Queeze mareconage   12.0   G   G   G   C	404	Scots Pine	Pinus sylvestris	14.0	G	G	G		1.5		Town	Remove	-
409   Sur Oak   Quernius macrocraps   12.0   G   G   F   1.5	405	White Spruce	Picea glauca	13.5	D	D	G		1.5		Town	Remove	-
Manitoba Magile	406	White Spruce	Picea glauca	14.0	D	D	G		1.5		Town	Remove	-
Age   Prince   Prin	407	Bur Oak	Quercus macrocarpa	12.0	G	G	G		2.0		Private	Remove	1
Age													1
10   Scots Pine										, ,			
1412   Scots Pine   Pinus sylvestris   10.5   G   G   FG   1.0   Pinate   Preserve   Preserve   1412   Scots Pine   Pinus sylvestris   12.0   G   G   G   C   C   C   C   C   C   C	409	Manitoba Maple	Acer negundo	24, 18	Р	PF	F	20	4.0		Private	Preserve	
1412   Scots Pine   Pinus sylvestris   10.5   G   G   FG   1.0   Pinate   Preserve   Preserve   1412   Scots Pine   Pinus sylvestris   12.0   G   G   G   C   C   C   C   C   C   C	410	Scots Pine	Pinus sylvestris	12.0	G	G	FG		1.5		Private	Preserve	
A13   Nowwy Maple													1
1414   White Mubbery													
1416   Eastern White Codar   Thuja occidentalis   15,14   FG   G   FG   1.5   Co-dominance at 1.5m   Private   Preserve										Co-dominance at 1 6m, crook (M)			<b>†</b>
416   Eastern White Cedar   Thuja occidentalis   15, 14   FG   G   FG   1.5   Co-dominance at 0.3m   Prisete   Presence													<del>                                     </del>
417													1
Eastern White Cedar   Thuja occidentalis   18.5   FG   FG   FG   1.5   (M)   Private   Preserve													<del>                                     </del>
141   Eastern White Cedar	416	Eastern vynite Cedar	i riuja occidentalis	20.0	نی	FG	G		1.5		Private	Preserve	1
442	417	Eastern White Cedar	Thuja occidentalis	18.5	FG	FG	FG		1.5	· •	Private	Preserve	
442	418	Eastern White Cedar	Thuja occidentalis	15.0	G	G	FG		1.0		Private	Preserve	
242   Eastern White Codar		Eastern White Cedar											
										Co-dominance at 3m			
## Prise   P													
Eastern White Codar   Thuja occidentalis   16.5   G   G   F   1.0										Asymmetrical crown (w)			
Eastern White Cedar   Thuja occidentalis   16.0   G   G   G   F   15.1   10.0   Dead leader   Private   Presente   Thuja occidentalis   11.0   G   G   F   15.1   10.0   Dead leader   Private   Presente   Thuja occidentalis   11.0   G   G   F   15.1   10.0   Dead leader   Private   Presente   Thuja occidentalis   11.0   G   G   F   15.1   10.0   Dead leader   Private   Presente   Thuja occidentalis   11.0   G   G   F   15.1   Thuja occidentalis   Thuja occidentalis   11.0   G   G   F   15.1   Thuja occidentalis   Thuja occident													
425   Eastern White Cedar   Thuja occidentalis   11.0   G   G   F   15   1.0   Dead leader   Private   Private   Preserve													
Honey Locust (shademaster)   Gleditisia triacanithos inemmis   50.5   F   FG   FG   G   Co-dominance at 2.5m with 4 stems, pruning (shademaster)   Gleditisia triacanithos inemmis   17.0   G   G   G   2.0   Town   Private   Remove   3								45		D III - II -			
427   Black Walnut   Juglans nigra   17.0   G   G   G   2.0	425	Eastern white Cedar	i nuja occidentalis	11.0	G	G	F	15	1.0		Private	Preserve	
427         Black Walnut         Juglans nigra         17.0         G         G         G         2.0         Union at 0.5m with 5 stems, crook (M)         Town         Preserve           428         Apple Species         Malus spp.         10-18 (avg. 12)         F G         G         3.0         Union at base with 7 stems, crook (M)         Town         Preserve           429         Apple Species         Malus spp.         22, 10-15 (avg. 12)         FG         FG         G         3.5         Union at base with 7 stems, crook (M)         Town         Preserve           430         Manitoba Maple         Acer negundo         21, 0         FG         G         FG         3.5         Co-dominance at 1m with included bark (M), private         Preserve           431         Manitoba Maple         Acer negundo         23, 17.5         PF         FG         FG         5.0         Union at base, lean (H) to east, sweep (M)         Private         Preserve           433         Scots Pine         Pinus sylvestris         24.0         G         G         2.5         Minion at base, lean (H) to east, sweep (M)         Private         Preserve           435         Scots Pine         Pinus sylvestris         23.0         G         G         3.0         Union at base, lean (H) to	426			50.5	F	FG	FG		4.5	wounds (H) with rot, crook (M), epicormic	Private	Remove	3
Apple Species   Malus spp.   10-18 (avg. 12)   F FG FG   3.0   Union at 0.5m with 5 stems, crook (M)   Town   Preserve	427	Plack Walnut	luglans nigm	17.0		_	-		2.0	branches (IVI)	Tour	Drocone	
Apple Species   Malus spp.   14    F   FG   FG   5.0   Union at Usan with 7 stems, crook (M)   Town   Preserve	421	DIACK WAITIUL	Jugians nigra		G	G	G		2.0		TOWIT	Fleseive	
Apple Species   Malus spp.   (22, 10-15   FG   FG   G.	428	Apple Species	Malus spp.		F	FG	FG		3.0	Union at 0.5m with 5 stems, crook (M)	Town	Preserve	
430   Manitoba Maple   Acer negundo   21.0   FG   G   FG   3.0   Co-dominance at 3.5m, crook (M), sweep (L)   Private   Preserve	429	Apple Species	Malus spp.	22, 10-15	FG	FG	FG		3.5	Union at base with 7 stems, crook (M)	Town	Preserve	
Manitoba Maple   Acer negundo   24, 21   FG   G   FG   3.5   Co-dominance at 1m with included bark (M), Private   Preserve	430	Manitoha Manle	Acer negundo		F.C	G	F.C		3.0	Co-dominance at 3.5m, crook (M), sweep (L)	Privato	Presens	<b>†</b>
Manitoba Maple   Acer negundo   24, 21   FG   FG   3.5   crook (M)   Private   Preserve	-30	manitoba mapie	, war nagunuu	21.0							i iivale		<del>                                     </del>
433   Scots Pine   Pinus sylvestris   24.0   G   G   G   G   G   G   G   G   G	431	Manitoba Maple	Acer negundo	24, 21	FG	G	FG		3.5		Private	Preserve	
434         Scots Pine         Pinus sylvestris         27.5         G         G         G         3.0         Private         Preserve           435         Scots Pine         Pinus sylvestris         23.0         G         G         G         3.0         Private         Preserve           436         Scots Pine         Pinus sylvestris         22.0         G         G         G         3.0         Private         Preserve           437         Scots Pine         Pinus sylvestris         22.0         G         G         G         3.0         Private         Preserve           438         Scots Pine         Pinus sylvestris         28.5         G         G         G         3.0         Crook (M)         Private         Preserve           440         Scots Pine         Pinus sylvestris         21.5         G         G         FG         G         FG         J         FG         FG         FG         J         FG         FG         FG         J         J         Private         Preserve           442         Honey Locust (shademaster)         Gleditsia triacanthos inermis         19.5         G         FG         FG         FG         G         G         Co-dominance	432	Manitoba Maple	Acer negundo	23, 17.5	PF	FG	FG		5.0	Union at base, lean (H) to east, sweep (M)		Preserve	
434         Scots Pine         Pinus sylvestris         27.5         G         G         G         3.0         Private         Preserve           435         Scots Pine         Pinus sylvestris         23.0         G         G         G         3.0         Private         Preserve           436         Scots Pine         Pinus sylvestris         22.0         G         G         G         3.0         Private         Preserve           437         Scots Pine         Pinus sylvestris         22.0         G         G         G         3.0         Private         Preserve           438         Scots Pine         Pinus sylvestris         28.5         G         G         G         3.0         Crook (M)         Private         Preserve           440         Scots Pine         Pinus sylvestris         21.5         G         G         FG         G         FG         J         FG         FG         FG         J         FG         FG         FG         J         J         Private         Preserve           442         Honey Locust (shademaster)         Gleditsia triacanthos inermis         19.5         G         FG         FG         FG         G         G         Co-dominance	433	Scots Pine	Pinus sylvestris	24.0	G	G	G		2.5		Private	Preserve	
435         Scots Pine         Pinus sylvestris         23.0         G <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>													
436   Scots Pine   Pinus sylvestris   25.0   G   G   G   G   G   G   G   G   G											Private		
437         Scots Pine         Pinus sylvestris         22.0         G <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>													
438 Scots Pine Pinus sylvestris 28.5 G G G G 3.5 Private Preserve Pinus sylvestris 24.0 FG G FG 3.0 Crook (M) Private Preserve Pinus sylvestris 21.5 G G FG 3.0 Crook (M) Private Preserve Preserve Pinus sylvestris 21.5 G G FG 3.0 Private Preserve Pinus sylvestris 21.5 G G FG 3.0 Private Preserve Pinus sylvestris 19.5 G G FG 2.5 Private Preserve Private Privat													
439 Scots Pine Pinus sylvestris 24.0 FG G FG 3.0 Crook (M) Private Preserve 440 Scots Pine Pinus sylvestris 21.5 G G FG 3.0 Private Preserve 441 Scots Pine Pinus sylvestris 19.5 G G FG 2.5 Private Preserve 442 Scots Pine Pinus sylvestris 19.5 G G FG Co-dominance at 2m with 3 stems, asymmetrical crown (M) Private Preserve 442 Scots Pine Pinus sylvestris 19.5 G G FG Scots Pine Private Preserve Pivate Private Preserve Pivate Private Remove 3 Pivate Private Preserve Pivate Private Remove Pivate Private Private Remove Pivate Private Preserve Pivate Private Private Remove Pivate Private Private Remove Pivate Private Private Remove Pivate Private Private Remove Pivate Remove Pivate Private Remove Pivate Re													
440 Scots Pine Pinus sylvestris 21.5 G G FG 3.0 Private Preserve Pinus sylvestris 19.5 G G FG 2.5 Private Preserve Pinus sylvestris 19.5 G G FG 2.5 Private Preserve Pinus sylvestris 19.5 G G FG 2.5 Private Preserve Pinus sylvestris 19.5 G G FG Co-dominance at 2m with 3 stems, asymmetrical crown (M) Private Remove 4 (Shademaster) Private Preserve Pinus sylvestris Private Preserve Pinus Private Preserve Private Preserve Pinus Private Preserve Pinus Private Preserve Private Preserve Pinus Private Preserve Pinus Private Preserve Private Pri										Crook (M)			<del>                                     </del>
441 Scots Pine Pinus sylvestris 19.5 G G FG 2.5  442 Honey Locust (shademaster)										OTOOK (IVI)			1
Honey Locust (shademaster)  442 Honey Locust (shademaster)  443 Manitoba Maple  464 Acer negundo  455 F F F F 20  466 G G F 20  467 G F G F G F G G F 20  468 White Spruce  468 Picea glauca  475 G G F 20  469 F 20  460 Lean (L), sparse crown (M)  475 Private Remove  475 Private Remove  487 Private Remove  488 Blue Spruce  489 Blue Spruce  489 Blue Spruce  480 Picea pungens  480 G F 10  480 Blue Spruce  480 Blue													<del>                                     </del>
442 (shademaster)										Co-dominance at 2m with 3 stems,			
44.3         Manttoba Maphe         Acer negundo         26.5         F         F         F         2         3.0         lean (L), epicormic branches (M)         Private         Preserve         2           444         White Spruce         Picea glauca         47.5         G         G         F         2.0         Lean (L), sparse crown (M)         Private         Remove         3           446         White Spruce         Picea glauca         35.5         G         G         F         2.5         Sparse crown (L)         Private         Remove         2           447         Blue Spruce         Picea pungens         25.0         G         G         F         1.5         Sparse crown (L)         Private         Remove         2           448         Blue Spruce         Picea pungens         23.0         G         G         F         1.0         Crood (M), sparse crown (L)         Private         Remove         2           450         Honey Locust (shademaster)         Gleditisia triacanthos inermis         36.0         FG         FG         FG         FG         1.0         Co-dominance at 1.8m, pruning wounds (M), epicomic branches (M)         Private         Remove         1           451         Nory Silk Lilac		(shademaster)	inermis					200		asymmetrical crown (M)			
445         White Spruce         Picea glauca         47.5         G         G         F         3.0         Private         Remove         3           446         White Spruce         Picea glauca         35.5         G         G         F         2.5         Sparse crown (L)         Private         Remove         2           447         Blue Spruce         Picea pungens         25.0         G         G         F         1.5         Sparse crown (L)         Private         Remove         2           448         Blue Spruce         Picea pungens         23.5         FG         G         F         1.0         Corok (M), sparse crown (L)         Private         Remove         2           449         Blue Spruce         Picea pungens         23.0         G         G         F         1.0         Sparse crown (L)         Private         Remove         2           450         Honey Locust (shademaster)         Gleditsia triacanthos inermis         36.0         FG         G         FG         1.0         Co-dominance at 1.8m, pruning wounds (M), epicormic branches (M)         Private         Remove         1           451         Nory Silk Lilac         Syringa reticulata         18.5         G         G         G<		·								lean (L), epicormic branches (M)			
446         White Spruce         Picea glauca         35.5         G         G         F         2.5         Sparse crown (L)         Private         Remove         2           447         Blue Spruce         Picea pungens         25.0         G         G         F         1.5         Sparse crown (L)         Private         Remove         2           448         Blue Spruce         Picea pungens         23.5         FG         G         F         10         Corook (M), sparse crown (L)         Private         Remove         2           449         Blue Spruce         Picea pungens         23.0         G         G         F         1.0         Sparse crown (L)         Private         Remove         2           450         Honey Locust (shademaster)         Gleditsia triacanthos inermis         36.0         FG         G         FG         To-dominance at 1.8m, pruning wounds (M), epicormic branches (M)         Private         Remove         3           451         Nory Silk Lilac         Syringa reticulata 1/vory Silk         20.5         G         G         G         1.0         Private         Remove         1           452         Nory Silk Lilac         Syringa reticulata         18.5         G         G         G<								20		Lean (L), sparse crown (M)			
447         Blue Spruce         Picea pungens         25.0         G         G         F         1.5         Sparse crown (L)         Private         Remove         2           448         Blue Spruce         Picea pungens         23.5         FG         G         F         10         1.0 Crook (M), sparse crown (L)         Private         Remove         2           449         Blue Spruce         Picea pungens         23.0         G         F         1.0 Sparse crown (L)         Private         Remove         2           450         Honey Locust (shademaster)         Gleditsia triacanthos inermis         36.0         FG         FG         FG         1.0 Co-dominance at 1.8m, pruning wounds (M), epicomic branches (M)         Private         Remove         3           451         Nory Silk Lilac         Syringa reticulata Vory Silk'         20.5         G         G         1.0         Private         Remove         1           452         Mory Silk Lilac         Syringa reticulata         18.5         G         G         G         1.0         Private         Remove         1													
448     Blue Spruce     Picea pungens     23.5     FG     G     F     10     1.0     Crook (M), sparse crown (L)     Private     Remove     2       449     Blue Spruce     Picea pungens     23.0     G     G     F     1.0     Sparse crown (L)     Private     Remove     2       450     Honey Locust (shademaster)     Gleditisia triacanthos inemis     36.0     FG     G     FG     1.0     Co-dominance at 1.8m, pruning wounds (M), epicomic branches (M)     Private     Remove     3       451     Nory Silk Lilac     Syringa reticulata 'Ivory Silk'     20.5     G     G     1.0     Private     Remove     1       452     Nory Silk Lilac     Syringa reticulata     18.5     G     G     G     1.0     Private     Remove     1													
449 Blue Spruce Picea pungens 23.0 G G F 1.0 Sparse crown (L) Private Remove 2  450 Honey Locust (shademaster) Gleditsia triacanthos inermis 36.0 FG G FG 1.0 Co-dominance at 1.8m, pruning wounds (M), epicormic branches (M) Private Remove 3  451 Nory Silk Lilac Syringa reticulata 18.5 G G G 1.0 Private Remove 1  452 Nory Silk Lilac Syringa reticulata 18.5 G G G 1.0 Private Remove 1													
Honey Locust (shademaster)  Gleditsia triacanthos inermis  450 Nory Silk Lilac  Syringa reticulata  Vory Silk Lilac  Syringa reticulata		Blue Spruce	Picea pungens					10			Private	Remove	
450 (shademaster) inemis 36.0 FG G G 1.0 epicomic branches (M)  451 Nory Silk Lilac Syringa reticulata Ivory Silk' 20.5 G G G 1.0 Private Remove 1  452 Nory Silk Lilac Syringa reticulata 18.5 G G G 1.0 Private Remove 1	449		Picea pungens	23.0	G	G	F		1.0	Sparse crown (L)	Private	Remove	2
451 Nory Silk Lilac Syringa reticulata 1vory Silk Lilac Syringa reticulata 18.5 G G G 1.0 Private Remove 1  452 Nory Silk Lilac Syringa reticulata 18.5 G G G 1.0 Private Remove 1	450			36.0	FG	G	FG		1.0		Private	Remove	3
452 hory Silk Lilac Syringa reticulata 18.5 G. G. G. 1.0 Private Remove 1	451	,	Syringa reticulata	20.5	G	G	G		1.0		Private	Remove	1
	452	Ivory Silk Lilac	Syringa reticulata	18.5	G	G	G		1.0		Private	Remove	1

	I	1		_	_	_					_	
453	Blue Spruce	Picea pungens	21.5	G	G	G		1.0		Private	Remove	2
454	White Spruce	Picea glauca	23.0	G	G	G		1.0		Private	Remove	2
455	Norway Maple	Acer platanoides	26.5	F	PF	F	25	1.0	Seam (L), lost leader	Private	Remove	0
456	Blue Spruce	Picea pungens	~13, 12, 10	FG	G	G		1.0	Union at base	Private	Remove	1
457	Norway Maple	Acer platanoides	46.0	Р	PF	PF	40	1.0	Union at 1.6m and 2.5m with 3 stems, vertical crack at union, 1 stem lost leader, stem wound (H), broken branches (M)	Private	Remove	0
458	Norway Maple	Acer platanoides	11.0	G	G	G		1.0		Private	Remove	1
459	Blue Spruce	Picea pungens	17.5	G	G	F	10	1.0	Sparse crown (M)	Private	Remove	1
Α	Black Walnut	Juglans nigra	17.0	G	G	G		2.0		Neighbour	Preserve	
В	Blue Spruce	Picea pungens	18.0	G	G	G		1.5		Private/ Neighbour	Remove	1
С	Red Oak	Quercus rubra	~30	G	G	G		4.0		Town	Remove	0
											TOTAL	38

Codes								
DBH Diameter at Breast (cm)								
TI	Trunk Integrity	(G, F, P)						
CS	Crown Structure	(G, F, P)						
CV	Crown Vigor	(G, F, P)						
CDB	Crown Die Back	(%)						
DL	Dripline in radius	(m)						

 $<sup>\</sup>sim$  = estimate; (VL) - very light; (L) = light; (M) = moderate; (H) = heavy

# **Appendix A. Photographs of Trees and Property**



Image 1. Driveway – view from Nunnville Road (Tree C on left)



Image 2. Trees 289-300 along driveway



Image 3. Trees 300 and 401-408 on left and Trees 458-459 and N on right



Image 4. Trees 406-414



Image 5. Trees 415-425 (right), 427, 428



Image 6. Trees 426 (front), 428, 429



Image 7. Trees 430-438



Image 8. Trees 439-442



Image 9. Trees 443-444



Image 10. Trees 445-446



Image 11. Hedge along fence line on the southwest corner



Image 12. Trees 447-450



Image 13. Trees 451-454



Image 14. Trees 454-455



Image 15. Tree 456



Image 16. Tree 457



Image 17. Trees 458-459 and B