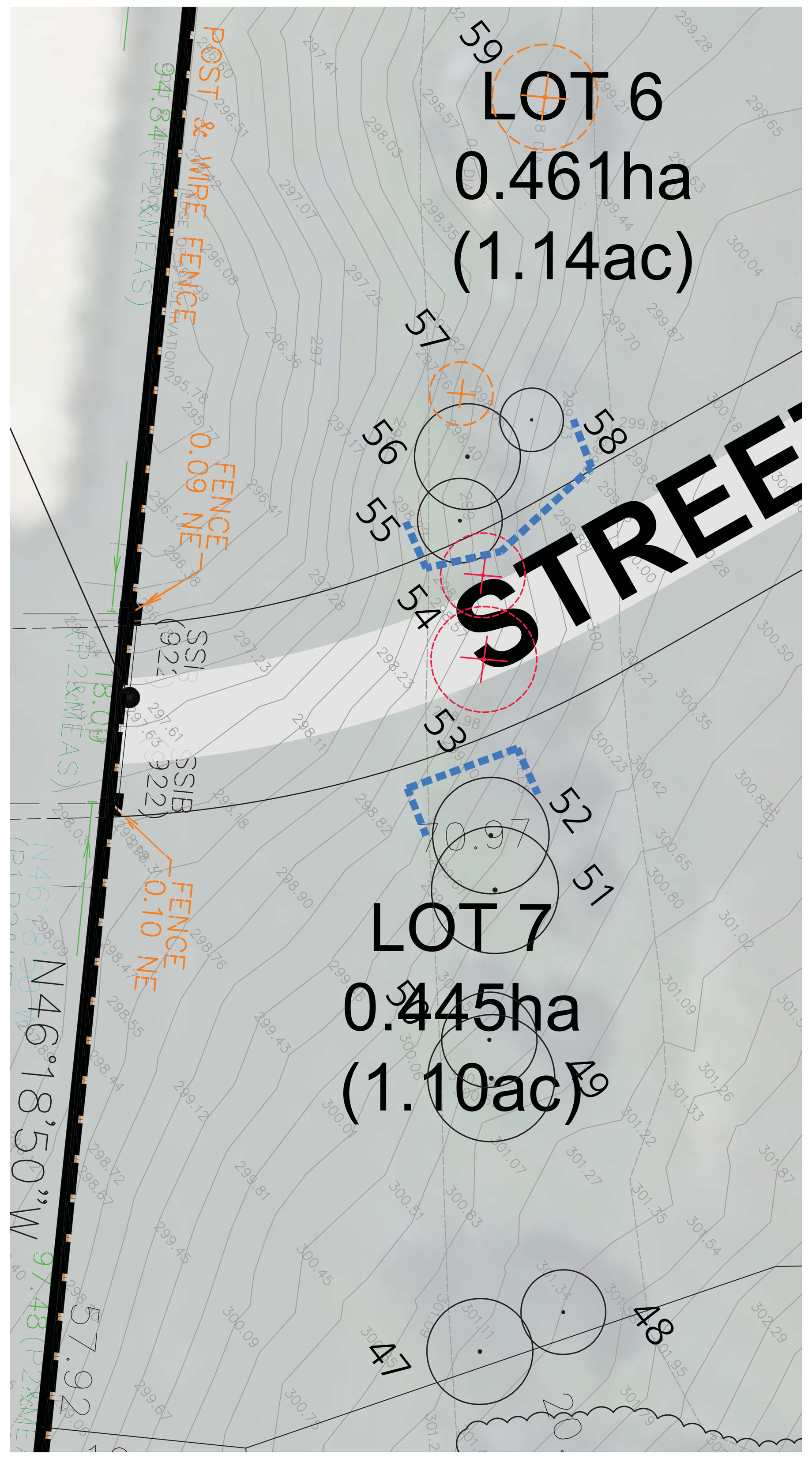
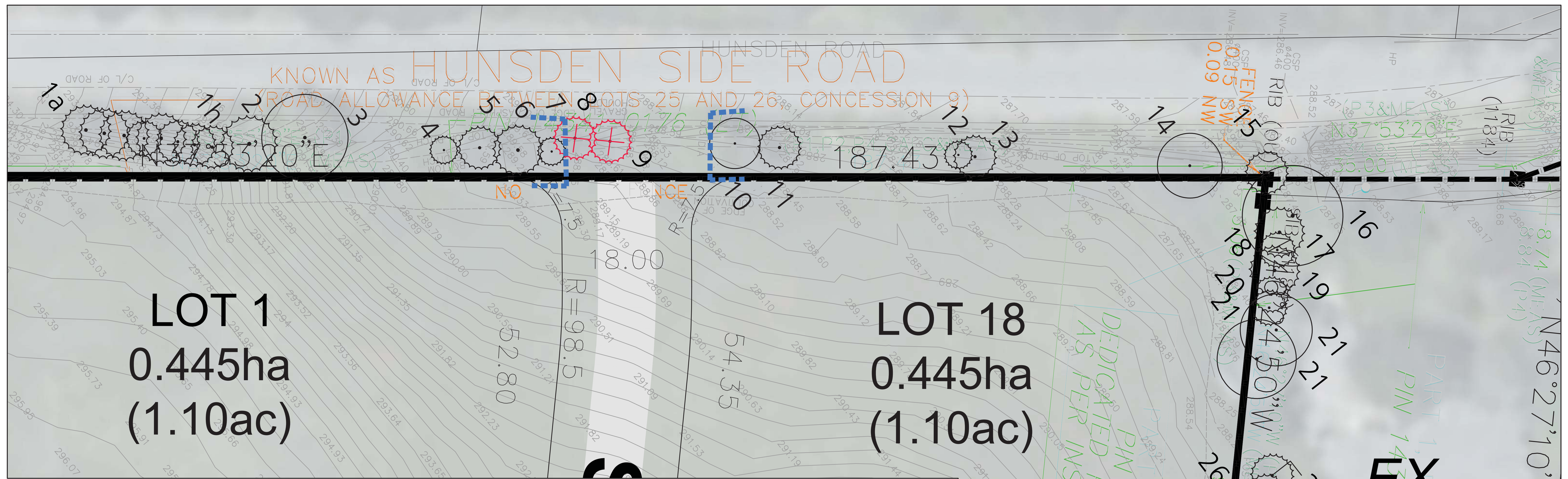


TREE INVENTORY PLAN 'C'
1:500



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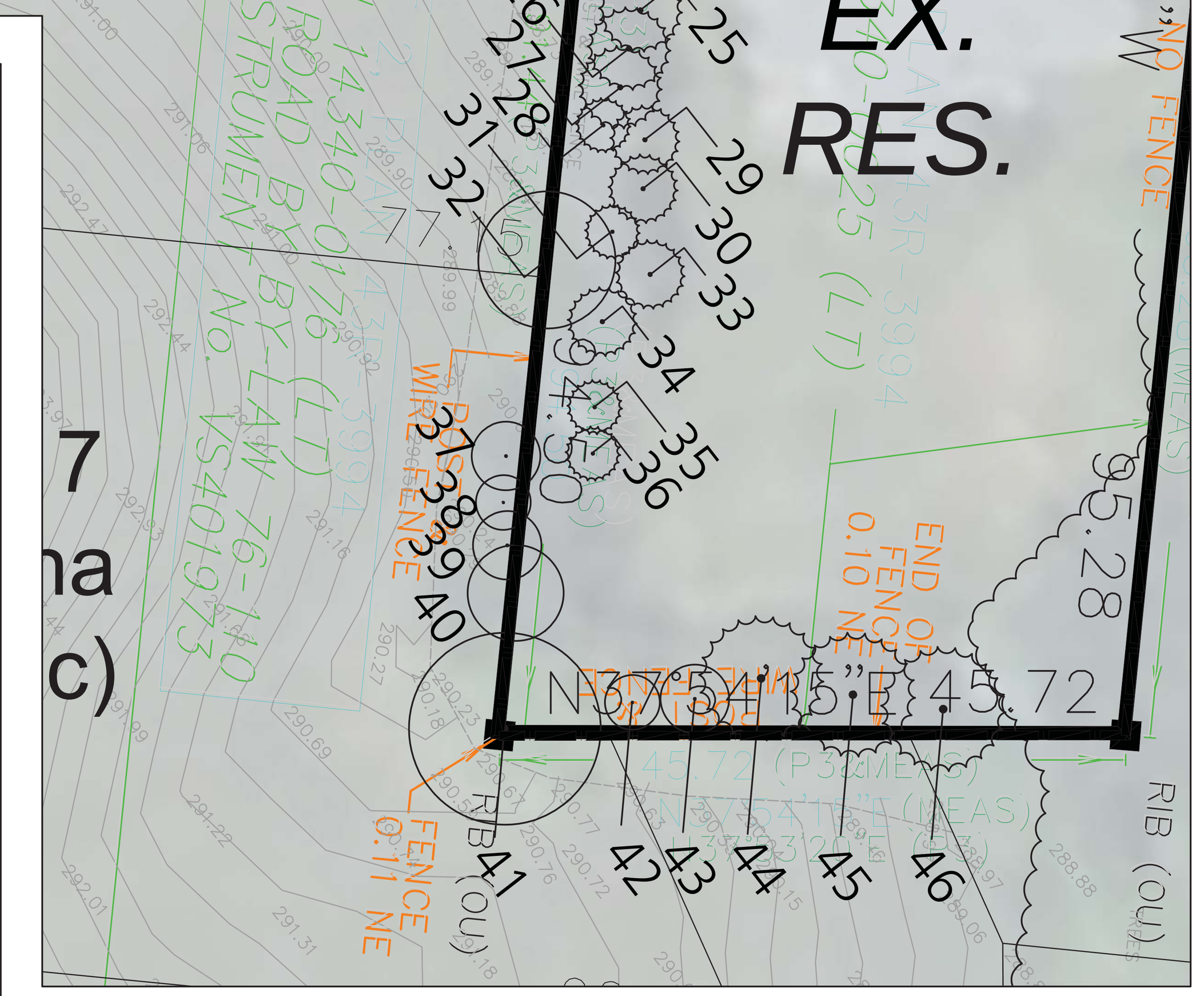

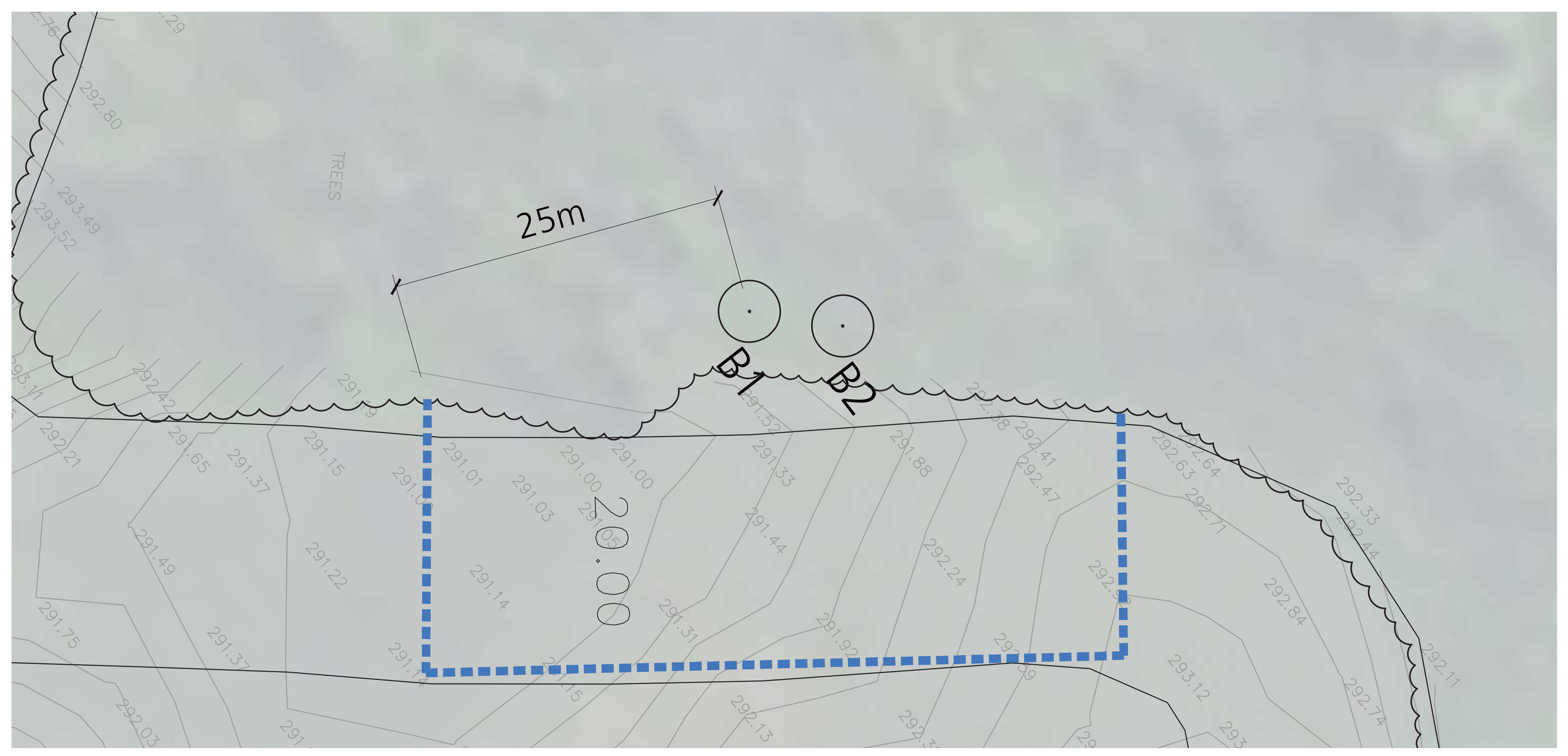

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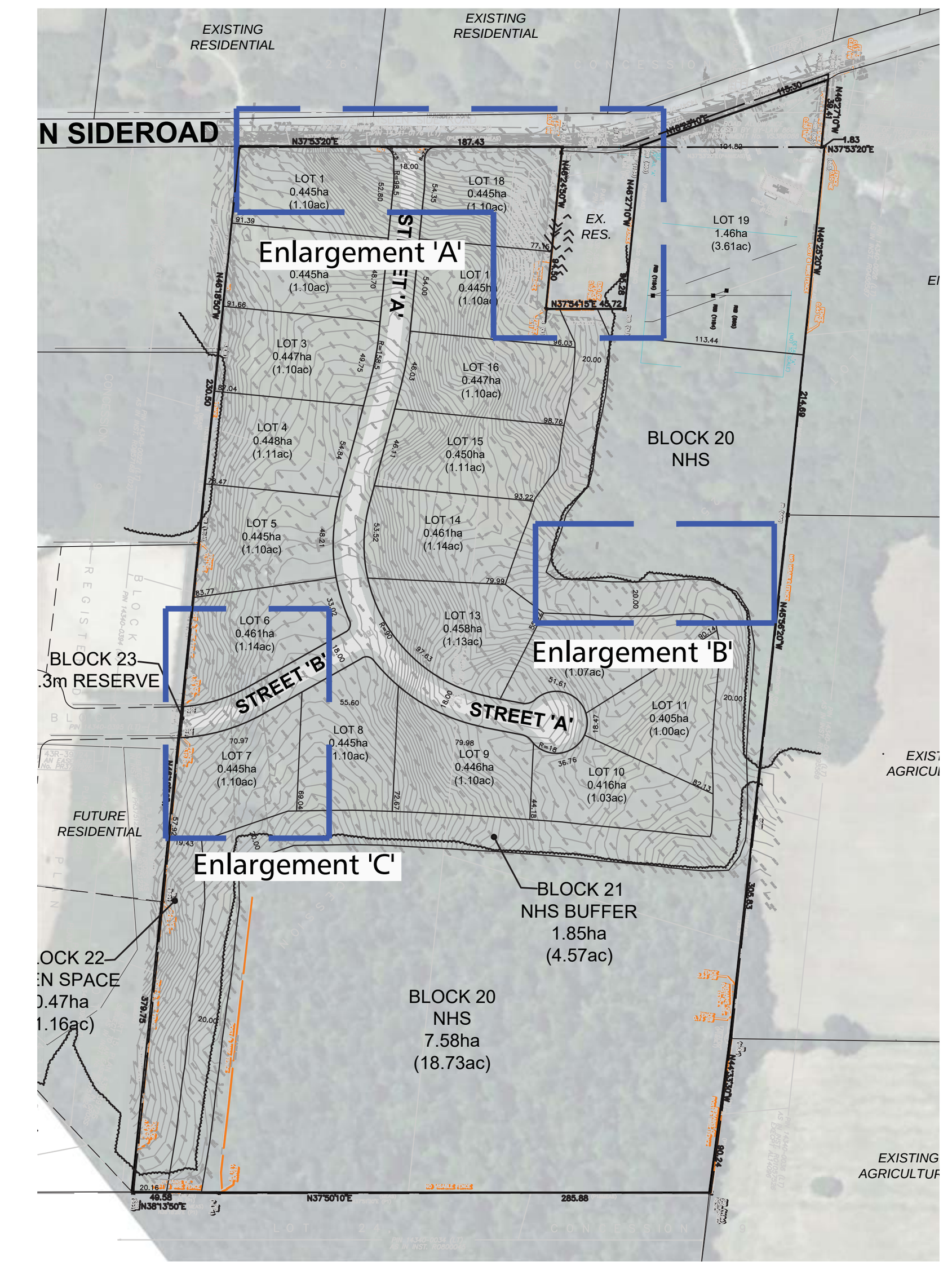


KEY MAP

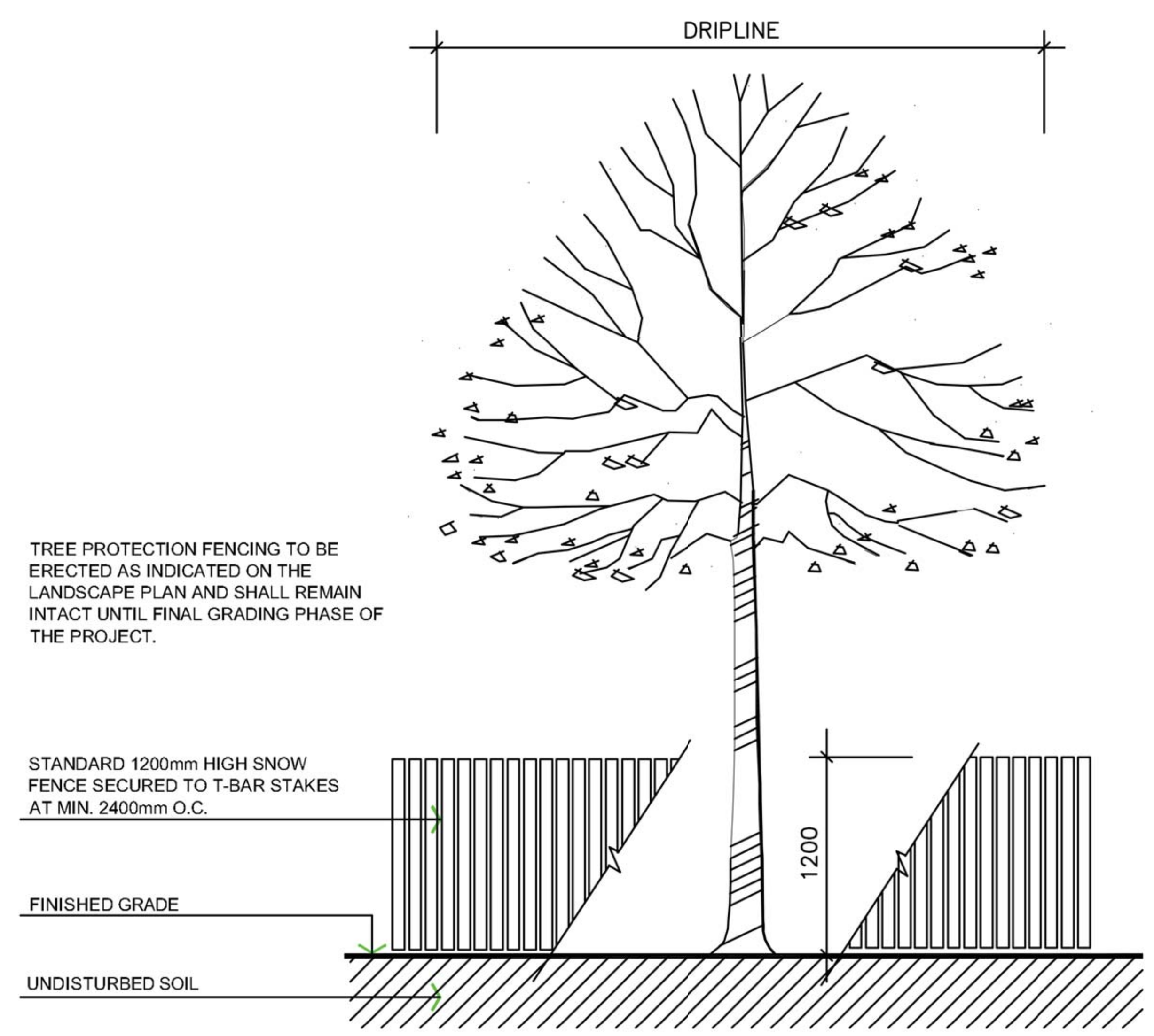
TREE INVENTORY TABLE

	Species	DBH (cm)	Canopy diameter (m)	Bioglogical Health	Structural Condition	Recommended Action	Comments	Location
1a	Pinus sylvestris (Scots Pine)	33	7	H	MH	P	Multibranch node and backfilled.	M
1b	Pinus sylvestris (Scots Pine)	21	7	H	H	P	Backfilled.	M
1c	Pinus sylvestris (Scots Pine)	24	7	H	H	P	Backfilled.	M
1d	Pinus sylvestris (Scots Pine)	15, 14	5	H	M	P	Multi-leader with included bark from 0.15m-0.3m ht. and backfilled.	M
1e	Pinus sylvestris (Scots Pine)	26	7	H	H	P	Backfilled.	M
1f	Pinus sylvestris (Scots Pine)	22	6	H	H	P	Backfilled.	M
1g	Pinus sylvestris (Scots Pine)	20	6	H	H	P	Backfilled.	M
1h	Pinus sylvestris (Scots Pine)	22.5	6	H	H	P	Backfilled.	M
2	Picea glauca (White Spruce)	44	8	M	H	P	Branch tips with dieback of 30% of canopy.	M
3	Acer negundo (Manitoba Maple)	41, 33, 31	12	M	M	P	Three leaders, approx. 20 medium-sized dead branches, emerging included bark at the main union.	M
4	Pinus sylvestris (Scots Pine)	~15	n/a	D	D	P	Dead.	M
5	Pinus sylvestris (Scots Pine)	29	6	H	H	P	Backfilled.	M
6	Pinus sylvestris (Scots Pine)	39	7	H	M	P	Large limb of 15cm dia. Torn off with ripping wound, co-dominant leaders, and backfilled.	M
7	Pinus sylvestris (Scots Pine)	21	4	ML	M	P	Backfilled, canopy 60% dead.	M
8	Pinus sylvestris (Scots Pine)	21.5, 25	6	H	M	RC	Co-dominant leaders with included bark (10cm length), backfilled, medium branch fusind with 2 leaders.	M
9	Pinus sylvestris (Scots Pine)	32	6	H	MH	RC	Large broken limb, branch stubs with ripping wound.	M
10	Acer negundo (Manitoba Maple)	25.5	7	H	M	P	Multiple limbs cut at base.	M
11	Pinus sylvestris (Scots Pine)	31.5	6	MH	H	P	Some defoliation on twigs, 1 limb broken at branch collar.	M
12	Pinus sylvestris (Scots Pine)	21	4	ML	ML	P	Unbalanced canopy to west, zig zag branch from on leader. Wound on leader with 30% trunk circumference.	M
13	Pinus sylvestris (Scots Pine)	29.5	6	H	MH	P	Co-dominant leaders.	M
14	Pinus sylvestris (Scots Pine)	46	9	H	M	P	Co-dominant leaders with included bark from 4m to 5.5m ht.	M
15	Pinus sylvestris (Scots Pine)	17	5	M	M	P		M
16	Acer saccharinum (Silver Maple)	~70	14	MH	M	P	Multiple leaders from 2m ht., included bark at 6m ht. Has wrap on trunk for pest.	N
17	Pinus nigra (Austrian Pine)	~45	7	M	M	P	Co-dominant leaders from 6m ht. with medium sized branch fused between them and browning foliage. Has wrap on trunk for pest.	N
18	Pinus nigra (Austrian Pine)	~30	5	M	M	P	Unbalanced canopy to west and browning foliage. Has wrap on trunk for pest.	N
19	Pinus nigra (Austrian Pine)	~50	7	MH	H	P	Browning foliage and has wrap on trunk for pest.	N
20	Picea glauca (White Spruce)	~25	5	H	H	P	Has wrap on trunk for pest.	N
21	Picea glauca (White Spruce)	~25	5	MH	H	P	Suppressed branches at 10 - 15m from #22 but top is in leaf. Has wrap on trunk for pest.	N
22	Eleagnus angustifolius (Russian Olive)	~25, ~20	10	ML	M	P	Co-dominant, limb/trunk leans 45o to east and to west, slower canopy has a lot of dieback (50%).	N
23	Eleagnus angustifolius (Russian Olive)	~45, ~25	11	M	M	P	Fusing branch on trunk, 3 leaders, leans 45° to north and west, and grown on stone slope.	N
24	Pinus nigra (Austrian Pine)	~60	8	MH	MH	P	Co-dominant leaders, and wrap on trunk for pest.	N
25	Picea glauca (White Spruce)	~40	6	H	H	P		N
26	Picea glauca (White Spruce)	~35	6	H	H	P		N
27	Picea glauca (White Spruce)	~35	6	H	H	P		N
28	Picea glauca (White Spruce)	~20	4	H	H	P		N
29	Picea glauca (White Spruce)	~35	5	H	H	P		N
30	Picea glauca (White Spruce)	~30	5	H	H	P		N
31	Picea glauca (White Spruce)	~20	4	M	H	P	Suppressed at top 4m.	N
32	Acer negundo (Manitoba Maple)	40.5	10	H	M	P	Unbalanced canopy to west, leans 10° to west, and included bark at main union.	N

	Species	DBH (cm)	Canopy diameter (m)	Bioglogical Health	Structural Condition	Recommended Action	Comments	Location
33	Picea glauca (White Spruce)	~35	5	H	H	P	Unbalanced canopy to east.	N
34	Picea glauca (White Spruce)	~30	5	H	H	P	Unbalanced canopy to southwest.	N
35	Picea glauca (White Spruce)	~20	4	H	H	P		N
36	Picea glauca (White Spruce)	~18	4	H	H	P	Has wrap on trunk for pest.	N
37	Populus tremuloides (Trembling Aspen)	20	5	ML	ML	P	Co-dominant leaders with one leader dead, remaining leader has 25% dead branches in lower canopy.	S
38	Populus tremuloides (Trembling Aspen)	18	4	MH	MH	P	Wound with rot at 0.3m ht.	S
39	Populus tremuloides (Trembling Aspen)	20	5	MH	MH	P	One leader cut at the base with fungus fruiting bodies and 20% of canopy dead particularly in lower canopy.	S
40	Populus tremuloides (Trembling Aspen)	20	7	M	ML	P	Multiple leaders with included bark at base to 0.3m ht. One leader has 75% of canopy dead 2 leaders are in satisfactory health.	N
41	Acer saccharinum (Silver Maple)	~35 x1, ~30 x1, ~25 x2, ~20	14	H	M	P	Multiple leaders with numerous points of fusing.	N
42	Picea glauca (White Spruce)	~20	4	M	M	P	Leader with dieback and new leader emerging.	N
43	Picea glauca (White Spruce)	~15	5	H	H	P		N
44	Acer platanoides (Norway Maple)	~45	9	H	H	P		N
45	Acer platanoides (Norway Maple)	~25, ~25	9	H	M	P	Co-dominant leader and included bark.	N
46	Acer platanoides (Norway Maple)	~50	9	H	H	P		N
47	Tilia americana (Basswood)	52, 28, 58	10	H	M	P	Three leaders with included bark.	S
50	Acer saccharum (Sugar Maple)	48	8	H	MH	P	Unbalanced canopy to northwest.	S
51	Acer saccharum (Sugar Maple)	25, 67	12	MH	M	RC	Co-dominant leaders with included bark. The smaller leader is hollow with wound of 25% trunk circumference and main leader leans 10° to south.	S
52	Acer saccharum (Sugar Maple)	65	9	MH	M	RC	Co-dominant leaders, with included bark at base to 4m ht and larger trunk has fallen.	S
53	Acer saccharum (Sugar Maple)	60, 51	12	M	ML	P	One (1) leader is dead and 2 leaders remain with included bark between, a wound of 50% trunk circumference and a few large dead branches.	S
54	Prunus serotina (Black Cherry)	52	11	MH	MH	P	Approximately 5 large dead branches.	S
55	Tilia americana (Basswood)	54, 57	10	ML	ML	P	One (1) leader remains with five (5) large broken or fallen trunk and four (4) large dead branches.	S
56	Ostrya virginiana (Ironwood)	28, 27	8	H	H	P		S
57	Ostrya virginiana (Ironwood)	31, 30	8	H	M	P	Co-dominant leaders with included bark.	S
58	Ostrya virginiana (Ironwood)	35	10	H	H	P		S
59	Fraxinus sp. (Ash)	~30 x4	6	D	D	R	Dead	S
60	Tilia americana (Basswood)	24	6	H	H	P		S
61	Fraxinus sp. (Ash)	65	10	L	L	R	Dying, 50% cnapoy is dead.	S
B1	Juglans cinerea (Butternut)	13	5	MH	M	P	Has a wound of 30% of trunk circumference from a fallen tree, rot is apparent, but growth is showing at all branch tips.	S
B2	Juglans cinerea (Butternut)	18	5	H	MH	P	Fusing branch with trunk leaving wound and growth showing at all branch tips.	S

TREE PROTECTION RECOMMENDATIONS:

- Install hoarding for subsequent municipal review/approval.
- Hoarding may be moved temporarily to provide access for tree removal only. These trees should be felled away from protected areas to avoid pulling and breaking of roots of trees to remain.
- Pruning, if required, should be done prior to construction and in accordance with current arboricultural practices.
- Storage of any materials, fill, vehicles/equipment, and disposal of liquids is not permitted within 1m of protected areas.
- Excavation in close proximity to protected areas are to be undertaken with a certified arborist present.
- Roots encountered due to excavation are to be cut with a clean sharp blade. Tearing and ripping of roots is not permitted.
- Hydrovacing is recommended as the preferred method for excavation. within 1m of protected areas.
- Exposed roots are to be covered immediately with mulch or topsoil and watered thoroughly. A light coloured tarpaulin may also be used to prevent root desiccation.
- Deep root fertilize (3:1:1) following backfilling.
- Trees should be re-assessed periodically in order to maintain an up to date understanding of health and structure.



SPECIFICATIONS FOR THE PROTECTION AND PRESERVATION OF EXISTING VEGETATION:

1. PRIOR TO ISSUANCE OF THE BUILDING PERMIT, ALL EXISTING TREES THAT ARE TO BE PRESERVED SHALL BE FULLY PROTECTED WITH HOARDING (IE SNOW FENCING) OUTSIDE THEIR 'DRIPLINES', TO THE SATISFACTION OF THE TOWN.
2. GROUPS OF TREES AND OTHER EXISTING PLANTINGS TO BE PROTECTED SHALL BE TREATED IN A LIKE MANNER WITH HOARDING AROUND THE ENTIRE CLUMP(S).
3. AREAS WITHIN THE PROTECTIVE FENCING SHALL REMAIN UNDISTURBED AND SHALL NOT BE USED FOR THE STORAGE OF BUILDING MATERIALS OR EQUIPMENT.NO CONTAMINANTS SHALL BE DUMPED OR FLUSHED WHERE FEEDER ROOTS OF TREES EXIST.
4. PRUNE BRANCHES TO REMOVE DAMAGED LIMBS ONLY. DO NOT DAMAGE LEADERS. ALL CUTS OVER 25mm SHALL BE TREATED IN ACCORDANCE WITH APPROPRIATE HORTICULTURAL PRACTICES AS APPROVED BYTHE TOWN.
6. CUTTING OF ROOTS OR CHANGING OF GRADES AROUND EXISTING TREES TO BE PRESERVED WILL NOT BE PERMITTED WITHOUT THE APPROVAL OF THE PUBLIC WORKS AND ENGINEERING DEPARTMENT.
7. TREES THAT HAVE DIED, OR HAVE BEEN DAMAGED BEYOND REPAIR SHALL BE REPLACED AT THE DEVELOPER'S EXPENSE, WITH TREES OF A SIZE AND SPECIES APPROVED BY THE TOWN.
8. IF TREES ARE BEING ADVERSLY AFFECTED BY CONSTRUCTION, A WATERING AND FERTILIZING PROGRAM IS TO BE SET UP TO THE SATISFACTION OF THE TOWN.
9. TREE PRESERVATION FENCE TO BE INSPECTED BY THE CONSULTING LANDSCAPE ARCHITECT AND APPROVED PRIOR TO CONSTRUCTION COMMENCING.

TOWN OF CALEDON					APP'D: C.C.	DATE: JUNE 08
TREE PRESERVATION	2	STANDARD No. 1135 NOW 707, NOTES EDIT		JUNE 08	DRAWN: abal	SCALE: NTS
	1	NOTE NO. 9 ADDED		MARCH 08	STANDARD No. 707	
	NO.	REVISION	APP'D	DATE		

LEGEND

- Property Line
- Tree protection -solid hoarding
- Existing Vegetation Grouping to Remain
- Existing tree to be preserved
- Existing tree to be removed
- Existing tree to be removed Dead, girdled or dangerous.

LIMITING CONDITIONS:

This tree inventory was derived from data gathered on the site using accepted arboricultural practices. This includes a visual examination of all above ground parts of the tree for structural defects and signs of health and vigour. All examination took place from the ground plane and no trees were cored, probed or climbed. There was also no detailed inspection of the root crown where excavation would have been required.

This inventory describes the health, structural stability and identifies potential hazards of the trees to a reasonable extent. Where dead branches or other are identified in the notes it is the owners responsibility to take action. This inventory does not provide or imply a guarantee that these trees or branches will remain standing intact. The stability of any tree or branches of a tree cannot be predicted with absolute certainty under all circumstances.

There is, likewise, no guarantee of survival for those trees to be preserved during construction but which are subject to injury. Tree preservation guidelines that are provided in this report are generally suitable for the tree as determined by the visual assessment. However, there is no guarantee that these guidelines will be followed throughout construction unless an arborist is retained for complete supervision of the site at all times. Even with complete supervision, roots in an urban environment are unpredictable. Guidelines, that suppose an even distribution of roots may not be effective in cases where roots have clustered in small areas.

The assessment in this inventory is valid only at the time of inspection.

Jon Woodside
ISA Certified Arborist
ON-1439A
Baker Turner Inc.

Note: All Drawings by Baker Turner inc. to be Printed in Colour.

REVISIONS

DATE	DESCRIPTION
June 2, 2022	Issued for Client Review

NOTE: Contractor is to check and verify all dimensions and conditions on the project, and is to immediately report any discrepancies to the landscape architect before proceeding with the work.

Landscape Architecture I Site Design

Suite 234
2010 Winston Park Drive
Oakville Ontario L6H 5R7
Tel: (289) 291-7620
email: tba@bakerturner.com

Project Title
Hillview Estates

Hunsden Residential
10249 Hunsden Sideroad
Town of Caledon, ON
TREE INVENTORY & PROTECTION PLAN

Date April 2022	Issued
Job Number BTI-1631	Drawn By JW, EO
Scale 1:1000	Checked By JW
Sheet Number TS.1	File Number

NOT FOR CONSTRUCTION