





WATER FEATURE

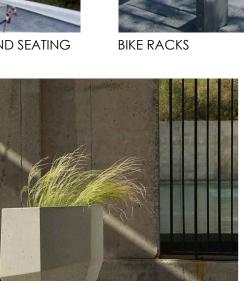
PLAZA SPACE WITH SEATING AND PLANTING



FEATURE PAVING PATTERNS



ANGULAR PLAZA SPACE WITH RAISED PLANTERS AND SEATING



ANGULAR CONCRETE PLANTERS





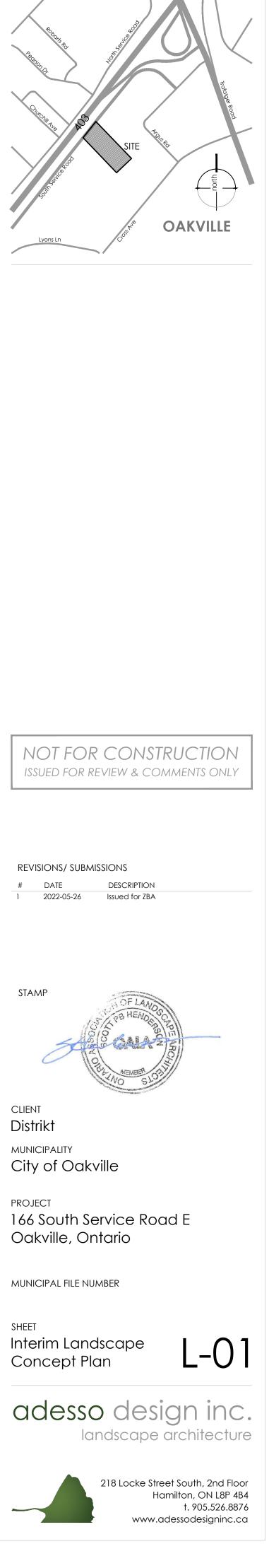
PLANTER WALL WITH BUILT IN SEATING



FREE STANDING BENCH

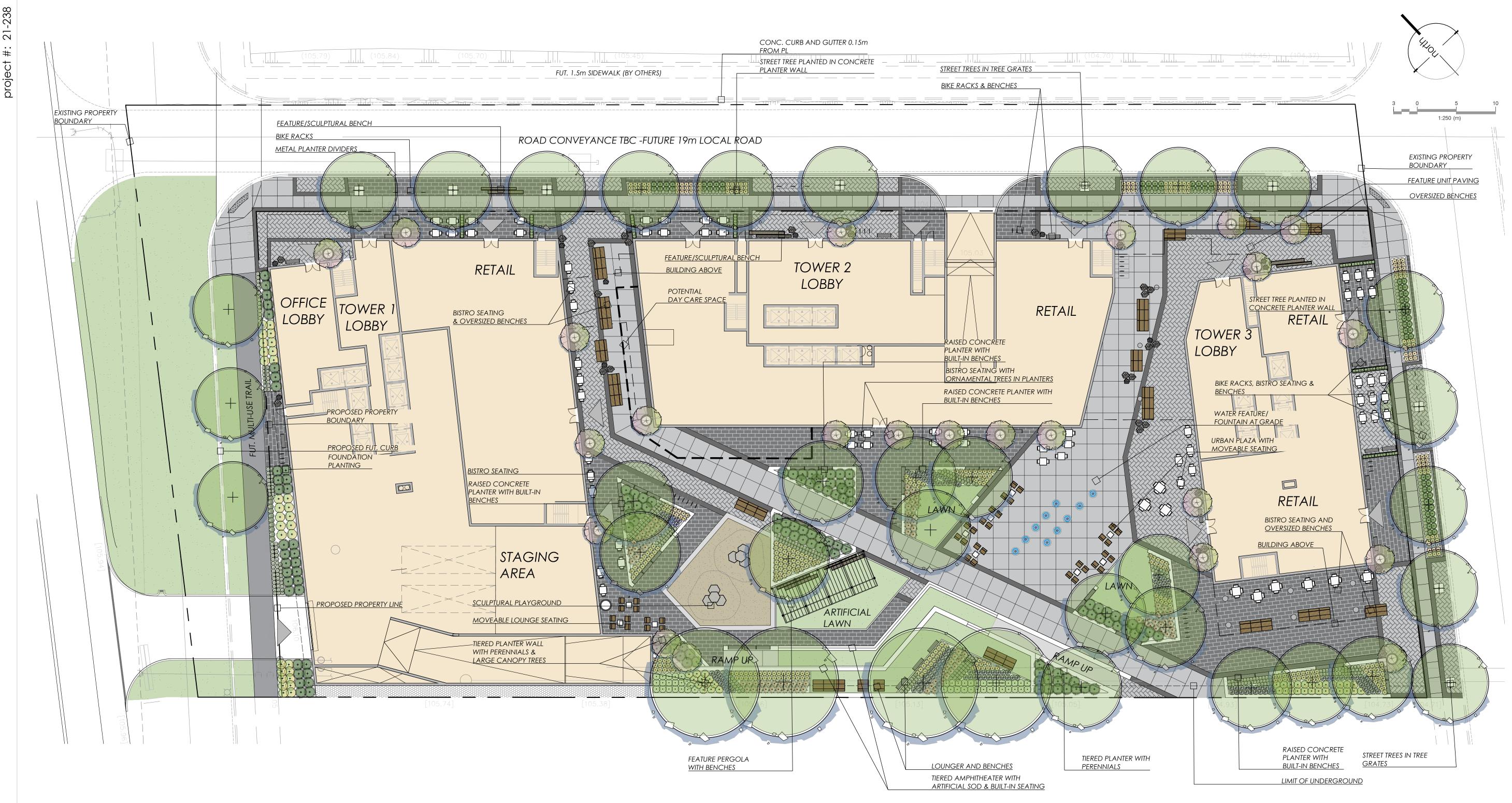


TIERED AMPHITHEATER



Key map - n.t.s.

SHEET



PRECEDENTS



PLAZA SPACE WITH SEATING AND PLANTING



FEATURE PAVING PATTERNS



ANGULAR PLAZA SPACE WITH RAISED PLANTERS AND SEATING



BIKE RACKS



WATER FEATURE



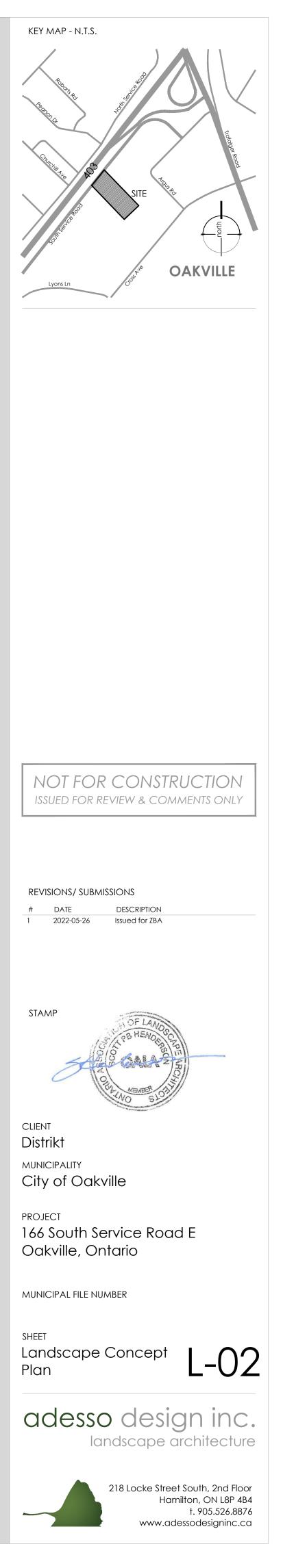
PLANTER WALL WITH BUILT IN SEATING



FREE STANDING BENCH



TIERED AMPHITHEATER











































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EXISTING VEGETATION IDENTIFICATION TABLE

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Tree #	Species (Common Name)	Species (Botanical Name)	DBH (cm)	TI	CS	с٧	Dripline (m)	mTPZ (m)	Crown Class	Ownership	Comments	Recommendation	Potential Impacts from Construction
1	Red Oak	Quercus rubra	13, 7	F	F	F	2	2.4	D	Road Allowance	Union at 0.4 m, stem wounds, heavy witches broom	REMOVE	Conflicts with proposed sidewalk
2	Columnar Swedish Aspen	Populus tremula 'Erecta'	17	G	G	G	2	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
3	Columnar Swedish Aspen	Populus tremula 'Erecta'	15	G	G	G	2	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
4	Columnar Swedish Aspen	Populus tremula 'Erecta'	12	G	G	G	2	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
5	Columnar Swedish Aspen	Populus tremula 'Erecta'	16	G	G	G	2	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
6	Columnar Swedish Aspen	Populus tremula 'Erecta'	12	G	G	G	2	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
7	Columnar Swedish Aspen	Populus tremula 'Erecta'	18	G	G	G	2	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
8	Little-leaf Linden	Tilia cordata	23	G	G	G	3	2.4	D	Neighbouring	Epicormic branching	REMOVE	Conflicts with proposed road
9	Columnar Swedish Aspen	Populus tremula 'Erecta'	22	FG	G	G	2	2.4	CD	Neighbouring	Stem wound	REMOVE	Conflicts with proposed road
10	Columnar Swedish Aspen	Populus tremula 'Erecta' Populus tremula 'Erecta'	14	G	G	G	1	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
11	Columnar Swedish Aspen Columnar Swedish Aspen	Populus tremula 'Erecta'	10	G G	G	G G	1	1.8 2.4	CD CD	Neighbouring Neighbouring		REMOVE	Conflicts with proposed road Conflicts with proposed road
12	Silver Maple	Acer saccharinum	41	FG	FG	FG	5	3.0	D	Neighbouring	Union at 2 m, 10% crown dieback	REMOVE	Conflicts with proposed road
14	Siberian Elm	Ulmus pumila	14	F	G	G	3	2.4	D	On Property	Sweep, growing out of asphalt	REMOVE	Conflicts with proposed road
15	Little-leaf Linden	Tilia cordata	21	FG	G	G	3	2.4	D	Neighbouring	Swollen flare	REMOVE	Conflicts with proposed road
16	Little-leaf Linden	Tilia cordata	17	G	G	G	2	2.4	D	Neighbouring	Pruning wounds	REMOVE	Conflicts with proposed road
17	Columnar Swedish Aspen	Populus tremula 'Erecta'	17	G	G	G	2	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
18	Columnar Swedish Aspen	Populus tremula 'Erecta'	17	G	G	G	2	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
19	Columnar Swedish Aspen	Populus tremula 'Erecta'	16	G	G	G	2	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
20	Columnar Swedish Aspen	Populus tremula 'Erecta'	16	Р	G	G	2	2.4	CD	Neighbouring	Stem wounds - canker	REMOVE	Conflicts with proposed road
21	Columnar Swedish Aspen	Populus tremula 'Erecta'	19	G	G	G	2	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
22	Little-leaf Linden	Tilia cordata	24	G	G	G	3	2.4	D	Boundary		REMOVE	Conflicts with proposed road
23	Norway Maple	Acer platanoides	11	FG	G	G	2	2.4	I	On Property	Union at 1.5 m	REMOVE	Conflicts with proposed road
24	Little-leaf Linden	Tilia cordata	29	G	G	G	4	2.4	D	Boundary		REMOVE	Conflicts with proposed road
25	Little-leaf Linden Columnar Swedish Aspen	Tilia cordata Populus tremula 'Erecta'	27	FG	FG	G	4	2.4	D	Boundary Neighbouring	Union at 2 m	REMOVE	Conflicts with proposed road Conflicts with proposed road
26 27	Columnar Swedish Aspen	Populus tremula 'Erecta'	18	G FG	G	G G	1	2.4	CD CD	Neighbouring	Stem spiralling around Tree 28	REMOVE	Conflicts with proposed road Conflicts with proposed road
27	Columnar Swedish Aspen	Populus tremula 'Erecta'	16	G	G	G	2	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
20	Columnar Swedish Aspen	Populus tremula 'Erecta'	11	G	G	G	2	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
30	Columnar Swedish Aspen	Populus tremula 'Erecta'	11	G	G	G	2	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
31	Little-leaf Linden	Tilia cordata	28	FG	FG	G	4	2.4	D	Boundary	Union at 2 m	REMOVE	Conflicts with proposed road
32	Little-leaf Linden	Tilia cordata	32	G	G	G	4	2.4	D	Boundary		REMOVE	Conflicts with proposed road
33	Columnar Swedish Aspen	Populus tremula 'Erecta'	19	G	G	G	2	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
34	Columnar Swedish Aspen	Populus tremula 'Erecta'	14	G	G	G	2	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
35	Columnar Swedish Aspen	Populus tremula 'Erecta'	16	G	G	G	2	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
36	Little-leaf Linden	Tilia cordata	33	FG	FG	G	4	2.4	CD	Boundary	Multiple branch attachments, girdling root, stem wound	REMOVE	Conflicts with proposed road
37	Little-leaf Linden	Tilia cordata	24	FG	G	G	4	2.4	CD	Neighbouring	Stem wounds, pruning wounds	REMOVE	Conflicts with proposed road
38	Little-leaf Linden	Tilia cordata	33	G	G	G	5	2.4	CD	Neighbouring		REMOVE	Conflicts with proposed road
39	Willow species	Salix sp.	96	FG	FG	G	0	6.0	CD	Neighbouring	Union at 1.8 m, pruning wounds	REMOVE	Conflicts with proposed road
40	Weeping White Pine	Pinus strobus 'pendula'	18	G	G	G	3	2.4	S	Neighbouring		REMOVE	Conflicts with proposed road
41	Austrian Pine	Pinus nigra	31	FG	FG	G	4	2.4	CD	Neighbouring	Union at 1.8 m	REMOVE	Conflicts with proposed road
42	Little-leaf Linden	Tilia cordata	16	G	FG	G	3	2.4	D	Neighbouring	Multiple branch attachments	REMOVE	Conflicts with proposed road
43	Austrian Pine	Pinus nigra	39	G	G	G	3	2.4	D	Neighbouring		REMOVE	Conflicts with proposed road
44	Siberian Elm	Ulmus pumila	41, 25	F	FG	G	5	3.0	D	Neighbouring	Union at 0.4 m	REMOVE	Conflicts with proposed road
45	Siberian Elm		25, 34	FG	FG	G	5	2.4	D	Neighbouring	Union at 0.6 m, broken branches	REMOVE	Conflicts with proposed road
46	Siberian Elm Norway Maple	Ulmus pumila Acer platanoides	47	G FG	FG FG	G G	э 4	3.0 3.0	CD CD	Boundary	Broken branches Union at 3 m, seam, stem wound	REMOVE	Conflicts with proposed road Conflicts with proposed road
47	Trembling Aspen	Populus tremuloides	14	P	P	P	1	2.4	D	On Property	80% crown dieback, crack	REMOVE	Conflicts with proposed road
49	Norway Maple	Acer platanoides	31	G	F	F.	4	2.4	D	Boundary	Poor form	REMOVE	Conflicts with proposed planting bed
50	Norway Maple	Acer platanoides	43	PF	F	FG	6	3.0	CD	Boundary	Moderate lean, stem wound	REMOVE	Conflicts with proposed planting bed
51	Trembling Aspen	Populus tremuloides	31	FG	FG	G	4	2.4	CD	On Property	Stem wound	REMOVE	Conflicts with proposed planting bed
52	Trembling Aspen	Populus tremuloides	21	G	G	G	3	2.4	CD	On Property		REMOVE	Conflicts with proposed planting bed
53	Amur Maple	Acer ginnala	13, 9, 11	F	F	FG	4	2.4	l	On Property	Union at ground, heavy bow	REMOVE	Conflicts with proposed planting bed
54	Norway Maple	Acer platanoides	26	FG	FG	F	4	2.4	CD	On Property	Union at 1.7 m, 10% crown dieback	REMOVE	Conflicts with proposed planting bed
55	Norway Maple	Acer platanoides	35	G	FG	G	6	2.4	CD	On Property	Pruning wounds	REMOVE	Conflicts with proposed planting bed
56	Norway Maple	Acer platanoides	38	FG	F	F	5	2.4	CD	On Property	Union at 2 m, seam, poor form	REMOVE	Conflicts with proposed planting bed
57	Norway Maple	Acer platanoides	22	Р	Р	Р	3	2.4	CD	On Property	Heavy canker, 40% crown dieback	REMOVE	Conflicts with proposed planting bed
58	Norway Maple	Acer platanoides	29	FG	G	G	4	2.4	CD	On Property	Light seam	REMOVE	Conflicts with proposed planting bed
59	Norway Maple	Acer platanoides	26	G	F	FG	5	2.4	CD	On Property	Poor form	REMOVE	Conflicts with proposed planting bed
60	Norway Maple	Acer platanoides	31	F	F	F	4	2.4	CD	On Property	Union at 2 m, growth deficit at flare, natural branch wound,	REMOVE	Conflicts with proposed building
	Nonconstant	A oor plater sid									pruned for hydro, 10% crown dieback		
61	Norway Maple	Acer platanoides	36	FG	G	G	4	2.4	CD	On Property	Pruning wounds	REMOVE	Conflicts with proposed building
62	Amur Maple	Acer ginnala	19, 14, 8	F	FG	FG	2	2.4	CD	On Property	Union at ground with stem wound, epicormic branching	REMOVE	Conflicts with proposed building
63	Trembling Aspen	Populus tremuloides	15	G	G	G	3	2.4	D	On Property		REMOVE	Conflicts with proposed planting bed
64	Siberian Elm	Ulmus pumila	13, 8	FG	G	G	2	2.4	D	On Property	Union at ground	REMOVE	Conflicts with proposed hardscaping
65	Willow species	Salix sp.	~51, 61, 15,	F	F	G	5	4.2	D	On Property	Union at 0.3 m with included bark and fruiting body	REMOVE	Conflicts with proposed hardscaping
66	Amur Maple	Acer ginnala	25, 45	E	FG	FG	3	2.4	CD	On Property	fruiting body Union at ground, stem wound with heart rot	REMOVE	Conflicts with proposed hardscaping
66	Amur Maple	Acer ginnala	25	F	FG FG	FG FG	3	2.4	CD	On Property On Property	Heavy pruning wounds at flare, crook	REMOVE	Conflicts with proposed building
				-							Union at 0.6 and 1.2 m, pruning wounds at		
68	Amur Maple	Acer ginnala	6, 23, 19	F	FG	FG	3	2.4	CD	On Property	flare, crook	REMOVE	Conflicts with proposed building
69	Siberian Elm	Ulmus pumila	34	FG	G	G	4	2.4	D	On Property	Union at 2 m	REMOVE	Conflicts with proposed building
70	Honey Locust cultivar	Gleditsia triacanthos var. 'inermis'	36	G	G	G	5	2.4	CD	On Property		REMOVE	Conflicts with proposed building
71	Honey Locust cultivar	Gleditsia triacanthos var. 'inermis'	36	G	G	G	6	2.4	CD	On Property		REMOVE	Conflicts with proposed hardscape
72	Honey Locust cultivar	Gleditsia triacanthos var. 'inermis'	34	G	G	G	6	2.4	CD	On Property	Union of 1.9 m	REMOVE	Conflicts with proposed hardscape
73	Norway Maple	Acer platanoides	19	G FG	G	G	3	2.4	CD	On Property On Property	Union at 1.8 m	REMOVE	Conflicts with proposed roadway Conflicts with proposed hardscape
74	Little-leaf Linden Little-leaf Linden	Tilia cordata Tilia cordata	21	FG FG	FG FG	G G	4	2.4	CD CD	On Property On Property	Union at 2 m, swollen flare Union at 2 m	REMOVE	Conflicts with proposed hardscape Conflicts with proposed hardscape
75	Norway Maple	Acer platanoides	18	FG G	F	F	4	2.4	D	On Property On Property	Union at 2 m Main stem dead in crown	REMOVE	Conflicts with proposed hardscape Conflicts with proposed hardscape
78	Norway Maple	Acer platanoides	10	G	G	G	3	2.4	D	On Property		REMOVE	Conflicts with proposed hardscape
78	Siberian Elm	Ulmus pumila	11	G	G	G	2	2.4		On Property		REMOVE	Conflicts with proposed road
				-			-	_, ,		,			

MIGRATORY BIRDS AND NESTS:

1. The Owner and Contractor must be aware of the Migratory Birds Convention Act, 1994 - specifically;

 No tree removal or construction activity shall contravene the Act. Construction activities with the potential to harm migratory birds

or their nest should be restricted from March 15 to August 31. If work must occur during the migratory bird breeding season, a nest survey should be taken by a qualified avian biologist.

• A mitigation plan (showing active nests and appropriate buffers) may be required for review and approval by the Canadian Wildlife Services.

TREE REMOVAL:

 No trees shall be removed prior to municipal approvals of the Tree Management/Tree Preservation Plan. BOUNDARY TREES:

2. Note that boundary trees are protected under the Ontario Forestry Act. Boundary trees are defined in the Forestry Act (Section 10.2) and are considered shared or co-owned property. The Forestry Act indicates that it is a prosecutable offense for one co-owner to injure

- or cut down a boundary tree without the other co-owner's permission. 3. Written permission from the neighbouring property owner is required prior to removal or injury of any boundary tree(shared ownership) or any tree that is not fully on the subject property.
- 4. An ISA certified Arborist should be on site prior to any work being performed within the rootzone of a boundary or neighbouring tree to perform root pruning as required.

* CROWN CLASS Dominant- (D) Emergent canopy (receives full sunlight) Co-dominant - (C) Not fully emergent (top of canopy receives sunlight) Intermediate - (I) Sub-canopy tree (receives partial sunlight) ** CONDITION - consideration of trunk integrity, crown structure and crown vigor Good - few or no issues related to trunk integrity, crown structure or crown vigor Fair - minor issues related to trunk integrity, crown structure (form, some dead or

damged branches) or crown vigor (20-80% healthy foliage) Poor - issues with trunk integrity such as cavities or exposed dead wood, poor crown structure (poor form, no clear leader, significant dead or damaged branches) or poor crown vigor (<20% healthy foliage)

CONDITION OF TREES The decision to remove or retain a tree is subject to the forecasted development impacts, the structural condition of the tree (e.g. cracks, cavities, decay, weak branching, leaning, hazard potential), the biological condition of the tree (e.g. pest or disease concerns, overall health) and the suitability of the tree in its location (e.g. hardiness, soil conditions, salt tolerance, visual obstruction, available soil volume)







Tree 45



Tree 49



Tree 53-56

Tree 48





Tree 57-59

Tree 60-61



Tree 65



Tree 62





Crown Class: D = Dominant, CD = Codominant, I = Intermediate, S = Suppressed

CHART LEGEND/CODES

DBH = Diameter at Breast Height (cm) Trunk Integrity (TI): G = Good, F = Fair, P = Poor **Crown Structure (CS):** G = Good, F = Fair, P = Poor Crown Vigor (CV): G = Good, F = Fair, P = Poor

NOTE: Written permission from the neighbouring property owner is required prior to removal or injury of any boundary tree(shared ownership) or any tree that is not fully on the subject property.











Tree 46



Tree 50-52





Tree 64



Tree 76-77

NOT FOR CONSTRUCTION ISSUED FOR REVIEW & COMMENTS ONLY

NOTE: Vegetation inventory undertaken by XXX, ISA Certified Arborist (ON-XXXXX) on DATE.

REVISIONS/ SUBMISSIONS

DATE #

DESCRIPTION 2022-05-26 Issued for ZBA

Stamp



CLIENT Distrikt MUNICIPALITY City of Oakville

PROJECT 166 South Service Road E Oakville, Ontario

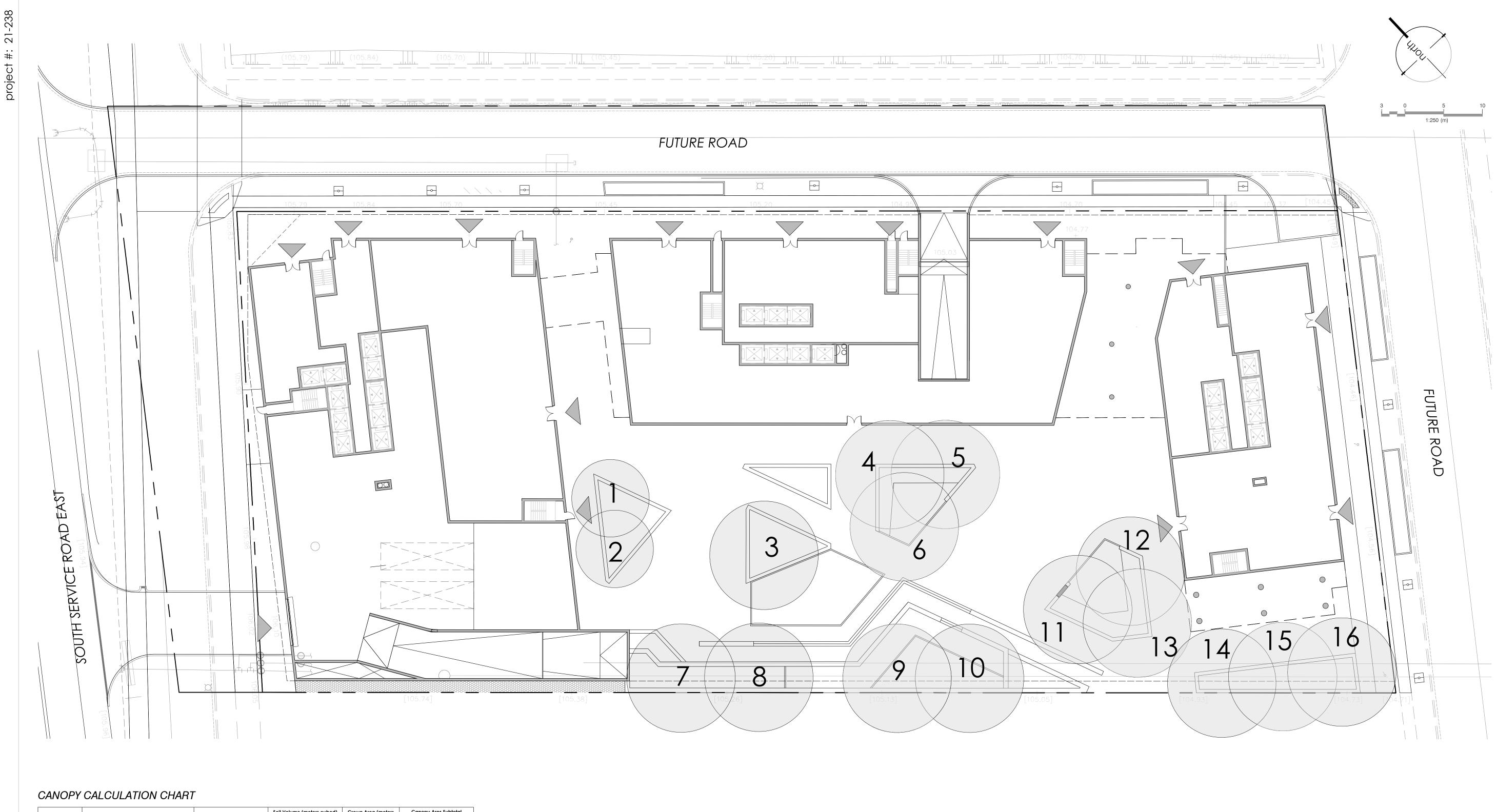
MUNICIPAL FILE NUMBER

SHEET Tree Protection Plan



adesso design inc. Iandscape architecture

218 Locke Street South, 2nd Floor Hamilton, ON L8P 4B4 t. 905.526.8876 www.adessodesigninc.ca



Tree #	Species (Botanical Name)	Number of Trees	Soil Volume (meters cubed) per tree	Crown Area (meters squared) per tree	Canopy Ares Subtotal (meters squared)
		Proposed Large Stature Tr	ees (14+m spread)		
3	Liriodendron tulipifera	1	40.50	154.00	154.00
4-6	Quercus macrocarpa	3	21.60	78.50	328.89
7-10	Quercus palustris	4	49.52	154.00	555.58
11-13	Liriodendron tulipifera	3	29.38	154.00	331.46
14-16	Quercus macrocarpa	3	17.99	154.00	360.13
		Proposed Medium Stature Ti	rees (10-13m spread)	·	
1-2	Ulmus x `Homestead`	2	23.75	78.50	139.06
	TOTAL TREES	16		TOTAL CANOPY (meters squared)	1869.12
Canopy Summo	ary			·	
	Net Site Area				8952.9 sq m
	Site Canopy Area				20.87%
	Land Use Canopy Cover Target				20.00%

