

Two Industrial Buildings
4496 Tomken Road
Mississauga, ON L4W 1J8

prepared for

Mantella Corporation
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Toronto, ON M9W 1C8

prepared by



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Introduction

IBI Group was retained by Mantella Corporation Inc. to conduct a Tree Inventory, and to prepare a Tree Protection Plan and Arborist Report, in support of a site plan application for the property at 4496 Tomken Road, Mississauga, ON L4W 1J8. The report will provide:

- A tree species inventory
- A visual assessment of trees for health and condition
- Recommendations for tree removals or preservation based on construction activity, in relation to tree health/risk status and/or species concerns

Existing Site Conditions

The existing site (Figure 1) is bordered by Tomken Road to the north-east, existing residential, commercial and industrial properties north-west, a power line easement to the south-east and a designated Significant Natural Area and Natural Green Space to the south-west. The subject site is currently cultivated under agricultural land use and has no structures. Chain link fencing lines the north boundary intermittently for approximately 300m.

Methodology

Tree resources were assessed and are reported using the following attributes:

Tree No.	identifier assigned to the tree corresponding to those indicated in the Tree Inventory Plan L100 (Figure 2).
Botanical Name	formal scientific name.
Common name	locally known English name.
DBH	diameter at breast height, in centimetres, measured at 1.4m above the adjacent ground.
Condition	condition of the specimen based on the visual assessment of the tree health reported as: <ul style="list-style-type: none"> Good (G) - dead branches less than 10%; signs of good compartmentalization on any wounds; no structural defects Fair (F) -10-30% dead branches; size or occurrence of wounds present some concerns; minor structural defects Poor (P) - more than 30% dead branches; weak compartmentalization; early leaf drop; presence of insects or disease; major structural defects Dead (D) - tree shows no signs of life
Comments	observations on tree structure, condition, location and highlighting any attributes that may require specific attention (e.g. invasive species, pest infestation, etc.)

Impacts of Development

determination of whether or not the specimen is impacted by the proposed construction:

None – no construction impact within the dripline

Limited – construction activity occurs at or within the dripline (less than 30%) and requires precautionary measures.

Impacted – construction activity occurs within a significant portion of the dripline or requires the removal of the specimen.

Recommendation determination to retain/preserve or remove the specimen.

The tree survey was conducted on August 27, 2021. Trees with a DBH of 10cm or more within the site of disturbance within the subject property, any trees within 6m of the area of disturbance, and all specimen found in the City right-of-way (ROW) (regardless of DBH) were included in the inventory. Trees were located using an android GIS application MapIt GIS Version 7.6.0.0Core – accuracy of tree locations are within 5m of the actual location, or triangulation where individual trees were inaccessible. This information is summarized in Existing Tree Identification Table (Table 1) and Tree Protection Plan L100 (Figure 2).

Tree Species

A total of seventy-four (74) individual trees and twenty (20) tree groups were observed. Tree species include:

Manitoba Maple	<i>(Acer negundo)</i>
Silver Maple	<i>(Acer saccharinum)</i>
Hawthorn Tree	<i>(Crataegus spp)</i>
White Ash	<i>(Fraxinus americana)</i>
Crabapple Tree	<i>(Malus spp)</i>
Norway Spruce	<i>(Picea abies)</i>
White Spruce	<i>(Picea glauca)</i>
Eastern White Pine	<i>(Pinus strobus)</i>
Scots Pine	<i>(Pinus sylvestris)</i>
White Poplar	<i>(Populus alba)</i>
Pear Tree	<i>(Pyrus spp.)</i>
White Oak	<i>(Quercus alba)</i>
Bur Oak	<i>(Quercus macrocarpa)</i>
Common Buckthorn	<i>(Rhamnus cathartica)</i>
Black Locust	<i>(Robinia pseudoacacia)</i>
Northern White Cedar	<i>(Thuja occidentalis)</i>
American Elm	<i>(Ulmus americana)</i>

Proposed Development

The proposed use of the subject site is for a two (2) building industrial development. The development remains, at minimum, 10m away from the wetland/woodland boundary. The development also considers the Winchester Road Extension that intersects the site on the north-west boundary. The proposed development is shown for reference in Concept Site Plan (Figure 3).

Findings

The development requires the removal of most of the trees on site, with the exception of trees on the neighbouring property close to the property line. Particular care will have to be taken when grading close to the Minimum Tree Protection Zone (MPTZ) as shown in Figure 2. Trees that are impacted largely as a result of the layout of the buildings, including roadways and parking, and the grading activities associated with construction.

Management and Quality Assurance

Pre-Construction Phase

1. TPZ Fencing: Tree Protection measures shall be installed prior to any site work per City of Mississauga specifications
2. TPZ Signage: Tree Protection Zone (TPZ) barriers shall be clearly marked with signs stating that the area within is a TPZ and that no one is allowed to enter or disturb this area without authorization from the project Arborist.
3. Trunk Protection: Where there is potential mechanical damage to the tree trunk or buttress, the exposed area should be protected by thick wood planks on a closed cell foam pad (or other protective material), bound in place by straps or wires.
4. Root Pruning: Standard arboricultural practices shall be employed where root pruning is necessary to maintain the tree health and structural stability. Hand excavation or other approved methods shall be used where necessary to minimize root damage.
5. Grade Changes: Every effort shall be made to maintain the existing grades within the tree dripline, at minimum.
6. Soil Decompaction: Newly exposed soil shall be manually decompacted to prepare the soil to receive new topsoil and plant material.
7. Irrigation: Areas within the TPZ shall be watered and maintained to an acceptable level throughout the course of construction.
8. Pruning: Removal of dead, diseased and dying branches before construction is recommended to reduce risk of failure within the subject site during construction.

Construction Phase

Site Monitoring: Site monitoring is recommended to be completed at least three (3) times during construction to detect any decline in plant health and to institute mitigative measures. These inspections should be no more than six (6) months apart.

Post-Construction Phase:

1. **TPZ Fencing Removal:** All tree protection measures may be removed once all work on the subject site is complete or in order to facilitate proposed landscape plantings. All plant material, existing and new must be maintained until the final inspection. Fence removal will only be with the written permission of the City.
2. **Plant Health Mitigation:** If required, treatments should be prescribed where evidence suggests that it may be beneficial.
3. **Plant Replacement:** Existing trees shall be maintained in an acceptable condition for two (2) years after the completion of construction. Any tree that declines beyond acceptable depreciation, and fails to recover following treatment, shall be replaced with the same or alternate local species appropriate to the site.
4. **Landscape Inspection:** Upon completion of construction an inspection shall be completed to verify that plant health of preserved trees has been maintained. This can be held in conjunction with the inspections of the landscape works.

Additional Recommendations

1. Tree preservation measures shall be implemented as shown in Figure 2, and per City of Mississauga specifications.
2. Tree protection barriers shall be erected prior to construction and shall remain in place, in good condition, for the duration of the project.
3. Tree roots typically spread well beyond the dripline of trees, up to 3.5 times the dripline radius, and are located predominantly in the top 30cm of soil. As this area is not protected, activity should be kept to a minimum to prevent root damage and soil compaction. Where root systems of trees are exposed or damaged by construction work, the city must be advised first before the roots are trimmed neatly and the area back-filled with topsoil.

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4. Any pruning required for branches and roots that may extend past the TPZ or critical root zone must be carried out by a qualified Arborist or other tree professional, only as necessary – to prevent damage from construction activity or to prune broken limbs or roots. All pruning of tree roots and branches must be in accordance with good arboricultural standards.
5. Tree preservation methods must conform to City standards 2830-1 and 2830-6 for tree preservation and hoarding as indicated in the Tree Protection Plan, L100 (Figure 2).

Regards,



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Table 1. Existing Tree Identification Table

Arborist Report - 4496 Tomken Road, Mississauga, ON

TREE NO. OR GRP	BOTANICAL NAME	COMMON NAME	DBH (cm)	CONDITION ⁽²⁾	MINIMUM TREE PROTECTION ZONE (MTPZ) (m)	OWNERSHIP ⁽³⁾	IMPACTS OF DEVELOPMENT ⁽⁴⁾	RECOMMENDATION ⁽⁵⁾	COMMENTS ⁽⁶⁾⁽⁷⁾
1	ULMUS AMERICANA	AMERICAN ELM	30.0	G	2.4	S	LIMITED: PARKING LOT, DRAINAGE	R	
2	(DEAD)		25.0	D		S	LIMITED: PARKING LOT, SWALE	R	(868)
3	(DEAD)		25.0	D		S	LIMITED: PARKING LOT, DRAINAGE	R	
4	MALUS SPP.	CRABAPPLE SPP.	43.0	F	3.0	S	LIMITED: PARKING LOT, SWALE, GRADING	R	
5	CRATAEGUS SPP.	HAWTHORN TREE	39.5	F	2.4	S	LIMITED: PARKING LOT, SWALE, GRADING	R	(185)
6	CRATAEGUS SPP.	HAWTHORN TREE	40.0	F	2.4	S	IMPACTED: PARKING LOT, DRAINAGE	R	
7	ULMUS AMERICANA	AMERICAN ELM	21.5	F	2.4	S	IMPACTED: PARKING LOT	R	
8	(DEAD)			D		S	IMPACTED: PARKING LOT	R	
9	(DEAD)		54.0	D		S	IMPACTED: SWALE	R	(882) CLUMP
10	(DEAD)		18.5	D		S	IMPACTED: PARKING LOT	R	
11	MALUS SPP.	CRABAPPLE SPP.	30.0	F	2.4	S	IMPACTED: PARKING LOT	R	
12	(DEAD)		22.0	D		S	IMPACTED: SWALE	R	
13	ULMUS AMERICANA	AMERICAN ELM	42.0	P	3.0	S	IMPACTED: PARKING LOT, DRAINAGE	R	CLUMP
14	ULMUS AMERICANA	AMERICAN ELM	55.0	F/G	3.6	S	IMPACTED: PARKING LOT	R	
15	ACER NEGUNDO	MANITоба MAPLE	18.0	F	2.4	S	IMPACTED: PARKING LOT	R	MODERATE LEAN
16	ACER NEGUNDO	MANITоба MAPLE	11.0	F	2.4	S	IMPACTED: PARKING LOT	R	
17	RHAMNUS CATHARTICA	BUCKTHORN	40.0	G	2.4	S	IMPACTED: PARKING LOT, DRAINAGE	R	
18	ULMUS AMERICANA	AMERICAN ELM	46.0	F	3.0	S	IMPACTED: PARKING LOT	R	
19	ACER SACCHARINUM	SILVER MAPLE	41.70	F	3.0	S	IMPACTED: PARKING LOT	R	
20	FRAXINUS AMERICANA	WHITE ASH	32.50	D	2.4	S	IMPACTED: PARKING LOT	R	
21	QUERCUS ALBA	WHITE OAK	17.0	G	2.4	S	IMPACTED: PARKING LOT	R	
22	ULMUS AMERICANA	AMERICAN ELM	53.0	G	3.6	S	IMPACTED: PARKING LOT, DRAINAGE	R	
23	ULMUS AMERICANA	AMERICAN ELM	26.0	F	2.4	S	IMPACTED: PARKING LOT	R	
24	(DEAD)		30.9	D		S	IMPACTED: PARKING LOT	R	
25	(DEAD)		26.5	D		S	IMPACTED: PARKING LOT, DRAINAGE	R	
26	(DEAD)		36.0	D		S	IMPACTED: PARKING LOT	R	EPICORMIC (FROM THE ROOT) SPROUTING
27	(DEAD)		15.0	D		S	IMPACTED: PARKING LOT	R	
28	(DEAD)		14.0	D		S	LIMITED: PARKING LOT	R	
29	(DEAD)		20.0	D		S	IMPACTED: INDUSTRIAL BUILDING	R	
30	MALUS SPP.	CRABAPPLE SPP.	28.3	F	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
31	CRATAEGUS SPP.	HAWTHORN TREE	53.0	G	3.6	S	IMPACTED: INDUSTRIAL BUILDING	R	
32	ACER SACCHARINUM	SILVER MAPLE	36.3	F	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
33	(DEAD)		65.0	D		S	IMPACTED: PARKING LOT	R	
34	(DEAD)		45.0	D		S	IMPACTED: PARKING LOT	R	
35	FRAXINUS AMERICANA	WHITE ASH	18.0	G	2.4	S	IMPACTED: PARKING LOT	R	
36	(DEAD)		45.0	D		S	IMPACTED: PARKING LOT	R	
37	FRAXINUS AMERICANA	WHITE ASH	21.0	F	2.4	S	IMPACTED: PARKING LOT	R	TOP OF CROWN DEAD, EPICORMIC SHOTS
38	ULMUS AMERICANA	AMERICAN ELM	24.0	F	2.4	S	IMPACTED: PARKING LOT	R	
39	(DEAD)		17.0	D		S	IMPACTED: PARKING LOT	R	
40	FRAXINUS AMERICANA	WHITE ASH	18.0	G	2.4	S	LIMITED: SITE DESIGN	R	
41	ULMUS AMERICANA	AMERICAN ELM	14.0	F	2.4	S	IMPACTED: ROAD EXTENSION	R	
42	FRAXINUS AMERICANA	WHITE ASH	21.2	F	2.4	S	IMPACTED: PARKING LOT	R	
43	QUERCUS ALBA	WHITE OAK	33.0	F	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	BURNED LEAF TIPS
44	ROBINIA PSEUDOACACIA	BLACK LOCUST	22.0	G	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
45	FRAXINUS AMERICANA	WHITE ASH	24.6	G	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
46	(DEAD)		20.0	D		S	IMPACTED: INDUSTRIAL BUILDING	R	
47	ULMUS AMERICANA	AMERICAN ELM	23.0	P	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
48	MALUS SPP.	CRABAPPLE SPP.	41.8	G	3.0	S	IMPACTED: ROAD EXTENSION	R	
49	FRAXINUS AMERICANA	WHITE ASH	22.4	F	2.4	S	IMPACTED: ROAD EXTENSION	R	
50	(DEAD)		70.0	D		S	IMPACTED: INDUSTRIAL BUILDING	R	
51	PICEA GLAUCA	WHITE SPRUCE	45.0	G	3.0	S	IMPACTED: INDUSTRIAL BUILDING	R	
52	(DEAD)		25.0	D		S	IMPACTED: INDUSTRIAL BUILDING	R	
53	POPULUS ALBA	WHITE POPLAR	28.2	G	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
54	PINUS STROBUS	EASTERN WHITE PINE	45.0	G	3.0	S	IMPACTED: INDUSTRIAL BUILDING	R	
55	CRATAEGUS SPP.	HAWTHORN TREE	32.0	F	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	(833)
56	CRATAEGUS SPP.	HAWTHORN TREE	21.0	F	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	(830)

TREE NO. OR GRP	BOTANICAL NAME	COMMON NAME	DBH (cm)	CONDITION ⁽²⁾	MINIMUM TREE PROTECTION ZONE (MTPZ) (m)	OWNERSHIP ⁽³⁾	IMPACTS OF DEVELOPMENT ⁽⁴⁾	RECOMMENDATION ⁽⁵⁾	COMMENTS ⁽⁶⁾⁽⁷⁾
57	FRAXINUS AMERICANA	WHITE ASH	20.0	D	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
58	(DEAD)		20.0	D		S	IMPACTED: INDUSTRIAL BUILDING	R	
59	PINUS STROBUS	EASTERN WHITE PINE	35.0	G	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
60	ACER NEGUNDO	MANITOBA MAPLE	41.0	F	3.0	M	IMPACTED: PARKING LOT	R	MODERATE LEAN
61	PICEA ABIES	NORWAY SPRUCE	40.0	F	2.4	M	LIMITED: SWALE	R	(808)
62	THUJA OCCIDENTALIS	NORTHERN WHITE CEDAR	22.5	G	2.4	S	IMPACTED: PARKING LOT	R	
63	ULMUS AMERICANA	AMERICAN ELM	63.6	G	4.2	M	IMPACTED: PARKING LOT	R	
64	PICEA GLAUCA	WHITE SPRUCE	43.0	G	3.0	M	IMPACTED: SWALE	R	
65	PINUS SYLVESTRIS	SCOTS PINE	20.0	G	2.4	M	IMPACTED: SWALE	R	(817)
66	ACER SACCHARINUM	SILVER MAPLE	50.0	G	3.0	M	IMPACTED; SIDEWALK	R	(818)
67	ULMUS AMERICANA	AMERICAN ELM	20.0	F	2.4	S	IMPACTED: PARKING LOT	R	
68	THUJA OCCIDENTALIS	NORTHERN WHITE CEDAR	30.0	F	2.4	M	IMPACTED; SIDEWALK	R	
69	(DEAD)		40.0	D		S	IMPACTED: PARKING LOT	R	
70	PINUS SYLVESTRIS	SCOTS PINE	15.0	F	2.4	M	IMPACTED: SWALE, GRADING	R	
71	PINUS SYLVESTRIS	SCOTS PINE	25.0	F	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
72	QUERCUS ALBA	WHITE OAK	30.0	G	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
1001	PICEA GLAUCA	WHITE SPRUCE	42.0	G	3.0	A	LIMITED: CONSTRUCTION	P	
1002	PYRUS SPP.	PEAR TREE	25.0	G	2.4	A	LIMITED: CONSTRUCTION	P	
G1	a (DEAD)		19.5	D		S	IMPACTED: PARKING LOT, DRAINAGE	R	
	b (DEAD)		17.5	D		S	IMPACTED: PARKING LOT, DRAINAGE	R	
	c (DEAD)		10.5	D		S	IMPACTED: PARKING LOT, DRAINAGE	R	
	d (DEAD)		12.0	D		S	IMPACTED: PARKING LOT, DRAINAGE	R	
G2	a (DEAD)		24.0	D		S	IMPACTED: PARKING LOT	R	
	b (DEAD)		10.0	D		S	IMPACTED: PARKING LOT	R	
	c (DEAD)		15.0	D		S	IMPACTED: PARKING LOT	R	
	d (DEAD)		15.0	D		S	IMPACTED: PARKING LOT	R	
G3	a FRAXINUS SPP.	ASH TREE	19.0	P	2.4	S	IMPACTED: PARKING LOT, DRAINAGE	R	
	b FRAXINUS SPP.	ASH TREE	25.0	D	2.4	S	IMPACTED: PARKING LOT, DRAINAGE	R	
	c FRAXINUS SPP.	ASH TREE	13.0	F	2.4	S	IMPACTED: PARKING LOT, DRAINAGE	R	
G4	a RHAMNUS CATHARTICA	BUCKTHORN	54.5	G	3.6	S	IMPACTED: PARKING LOT	R	
	b RHAMNUS CATHARTICA	BUCKTHORN	27.0	G	2.4	S	IMPACTED: PARKING LOT	R	
G5	a QUERCUS MACROCRAPA	BUR OAK	17.0	F	2.4	S	IMPACTED: PARKING LOT	R	
	b QUERCUS MACROCRAPA	BUR OAK	33.0	F	2.4	S	IMPACTED: PARKING LOT	R	
G6	a (DEAD)		20.5	D		S	IMPACTED: INDUSTRIAL BUILDING	R	
	b (DEAD)		18.5	D		S	IMPACTED: INDUSTRIAL BUILDING	R	
G7	a ULMUS AMERICANA	AMERICAN ELM	25.0	D	2.4	S	IMPACTED: PARKING LOT	R	
	b ULMUS AMERICANA	AMERICAN ELM	30.0	D	2.4	S	IMPACTED: PARKING LOT	R	
G8	a FRAXINUS SPP.	ASH TREE	73.7	P	4.8	S	IMPACTED: INDUSTRIAL BUILDING	R	
	b FRAXINUS SPP.	ASH TREE	65.0	P	4.2	S	IMPACTED: INDUSTRIAL BUILDING	R	
	c FRAXINUS SPP.	ASH TREE	60.0	P	3.6	S	IMPACTED: PARKING LOT	R	
	d FRAXINUS SPP.	ASH TREE	15.0	P	2.4	S	IMPACTED: PARKING LOT	R	
G9	a (DEAD)		60.0	D		S	IMPACTED: INDUSTRIAL BUILDING	R	
	b (DEAD)		20.0	D		S	IMPACTED: INDUSTRIAL BUILDING	R	
G10	a FRAXINUS SPP.	ASH TREE	33.0	G	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
	b FRAXINUS SPP.	ASH TREE	25.0	G	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
	c FRAXINUS SPP.	ASH TREE	24.0	G	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
	d FRAXINUS SPP.	ASH TREE	16.9	G	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
G11	a (DEAD)		15.0	D		S	IMPACTED: ROAD EXTENSION	R	
	b (DEAD)		15.0	D		S	IMPACTED: ROAD EXTENSION	R	
G12	a CRATAEGUS SPP.	HAWTHORN TREE	16.0	G	2.4	S	IMPACTED: ROAD EXTENSION	R	
	b CRATAEGUS SPP.	HAWTHORN TREE	44.7	G	3.0	S	IMPACTED: ROAD EXTENSION	R	
G13	a (DEAD)		29.0	D		S	IMPACTED: INDUSTRIAL BUILDING	R	
	b (DEAD)		39.8	D		S	IMPACTED: INDUSTRIAL BUILDING	R	
	c (DEAD)		35.4	D		S	IMPACTED: INDUSTRIAL BUILDING	R	
	d (DEAD)		41.0	D		S	IMPACTED: INDUSTRIAL BUILDING	R	
G14	a (DEAD)		25.0	D		S	IMPACTED: ROAD EXTENSION	R	

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	b (DEAD)		20.0	D		S	Impacted: Road Extension	R	
	c (DEAD)		20.0	D		S	Impacted: Road Extension	R	
	d (DEAD)		15.0	D		S	Impacted: Road Extension	R	
	e (DEAD)		15.0	D		S	Impacted: Road Extension	R	
	f (DEAD)		15.0	D		S	Impacted: Road Extension	R	
G15	a (DEAD)		36.0	D		S	IMPACTED: INDUSTRIAL BUILDING, PARKING	R	
	b (DEAD)		25.0	D		S	IMPACTED: INDUSTRIAL BUILDING, PARKING	R	
G16	a CRATAEGUS SPP.	HAWTHORN TREE	45.0	G	3.0	M	LIMITED: DRAINAGE, EXISTING SIDEWALK	P	(801)
	b CRATAEGUS SPP.	HAWTHORN TREE	43.5	G	3.0	M	LIMITED: DRAINAGE, EXISTING SIDEWALK	P	(802)
G17	a PINUS STROBUS	EASTERN WHITE PINE	28.0	G	2.4	S	IMPACTED: PARKING	R	(803)
	b PINUS STROBUS	EASTERN WHITE PINE	22.0	G	2.4	S	IMPACTED: PARKING	R	
	c PINUS STROBUS	EASTERN WHITE PINE	20.0	G	2.4	S	IMPACTED: SWALE	R	
G18	a PICEA ABIES	NORWAY SPRUCE	30.0	G	2.4	S	IMPACTED: PARKING	R	
	b PICEA ABIES	NORWAY SPRUCE	32.5	G	2.4	S	IMPACTED: PARKING	R	(813)
	c PICEA ABIES	NORWAY SPRUCE	36.0	G	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	(811)
	d PICEA ABIES	NORWAY SPRUCE	22.0	G	2.4	S	LIMITED: BUILDING, DRAINAGE	R	
G19	a PICEA ABIES	NORWAY SPRUCE	30.0	G	2.4	S	LIMITED: BUILDING, DRAINAGE	R	
	b PICEA ABIES	NORWAY SPRUCE	32.5	G	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
	c PICEA ABIES	NORWAY SPRUCE	36.0	G	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
	d PICEA ABIES	NORWAY SPRUCE	22.0	G	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
G20	a ULMUS AMERICANA	AMERICAN ELM	40.0	F	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
	b ULMUS AMERICANA	AMERICAN ELM	30.0	F	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	
	c ULMUS AMERICANA	AMERICAN ELM	15.0	F	2.4	S	IMPACTED: INDUSTRIAL BUILDING	R	