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1. INTRODUCTION

1. Tree Inventory Purpose

The Tree Inventory on the Estates of Glenway property was commissioned by Marianneville Developments. The purpose was to identify the number, sizes and health of trees, on the property in areas intended for redevelopment.

2. Property Description

The property is the lands of the former Glenway Golf Course and Clubhouse located in northwest Newmarket, ON. The scope of the inventory includes holes 1 to 11 inclusive and the lands around the clubhouse, parking and maintenance shed. The lands defined are east of the north-south



hydro corridor that strikes through the Glenway subdivision. The lands were developed as a golf course approximately 35 years ago, Residential properties were developed around and at the same time as the golf course construction.

The lands are maintained by staff of the Glenway Golf Course.

3. Methodology

The tree inventory was performed by Mark Inglis, principal of York Urbanist, and Shan Tennyson, certified arborist, for all those lands within the property boundaries as shown on the plan(s) in Appendix A. The tree inventories took place on September 9 and 16, 2011. The weather was clear and above 20 degrees celcius. Photography of the trees and golf course lands took place on those days. A full compilation of photography is available from the consultant. Some photos are included in this report as part of Appendix B. The golf course superintendent was briefly interviewed about the progression of planting on the golf course. Locations of trees on adjoining properties within 4.5m are shown on the plans. All trees on the property were located based on topographic plans derived from air photography. Species of plants are given in botanical and common names in the charts enclosed as part of this inventory (Appendix C).



The sizes of the trees were determined primarily by measurement of the tree trunk at breast height. The average radius from the trunk to the branch canopy was also measured. Where a tree is newly planted, its height and location are identified. Multi-stem trees were assigned an approximate height and branch radius.



The health of each tree was determined from observation of its leaves, branches, trunk and exposed root conditions. A value of good, fair or poor was assigned to each live tree. Other observations might include the height, relationship to other vegetation or unusual growth habits. Definitions follow:

Good: The tree demonstrates little dieback to 10% of the growth. Colouration and form of the tree match typical tree specie and age characteristics. Limited evidence of insect infestation or disease exists.

Fair. The tree demonstrates more than 10% and less than 30% dieback. Colour and form may be different than a characteristic tree of its specie. Growth may be stunted or the tree may be leaning or trunk damaged. Leaves and trunk may evidence some insect infestation or disease that should not affect the future success of the tree.

Poor: The tree demonstrates more than 30% dieback of branches. Colour and form are much different from expected characteristics of the tree specie. Growth is hampered by soils, microclimate or maintenance. Major insect infestation or disease have deleteriously affected the growth of the tree. Trunk damage may be large, impeding future health of the tree.



2. OBSERVATIONS

1. General

Most trees in the subject lands are similar in age 30-35 years. Since the development of the golf course, trees have been transplanted from the golf course's nursery. The superintendent informed the consultant that significant numbers of plantings took place approximately 20 and 10 years ago, primarily coniferous plantings to help screen/protect adjoining



lands. The observations confirm these actions. Plant health sizes vary based on soils and microclimate conditions of the planting sites. There is limited variety of tree species. Because the lands are primarily manicured for golf purposes, little regeneration is taking place.

Remnants of the former farm field edges remain, an observation made based on the findings of mature apples and hawthorns between the green of Hole 1 and tee of Hole 2. These trees are in a row that is roughly parallel to and south of Davis Drive. A large and older ash exists on the left side of the fairway of Hole 2.

Trees – Individuals and Groups
 Tree charts are available in
 Appendix C. The numbers are
 keyed to the plans in Appendix A.
 Botanical and common names are
 given for each tree. The tree size is
 given in diameter at breast height
 (dbh in cm) and the radii of the
 branches from the trunk are given in
 metres. Comments describe the



quality of the tree in good, fair and poor. Reasons for the trees quality are often



described if there is visible fungal, insect or mechanical damage or characteristics uncommon to the specie. Trees are in groups where their proximity suggested such grouping.

3. DISCUSSION AND CONCLUSIONS

The golf course trees have limited diversity of species and size on lands that allow accessibility to each tree. Trees are predominantly located toward the property lines because the fairways, located centrally within the width of the lands, are clear of trees. Trees have been evidently planted to define the fairways for the golfers and to protect adjoining residential



properties from errant golf balls hit from the tees or fairways. The trees are sometimes located on berms that assist to protect the adjacent lands. Few trees exceed 35cm dbh. Most trees are non-native to Ontario with the exception of white ash, white pine, balsam fir, silver and sugar maples. Remnants of the former farm hedgerows have multiple stems and dense growth. Few areas of the golf course remain unmaintained.

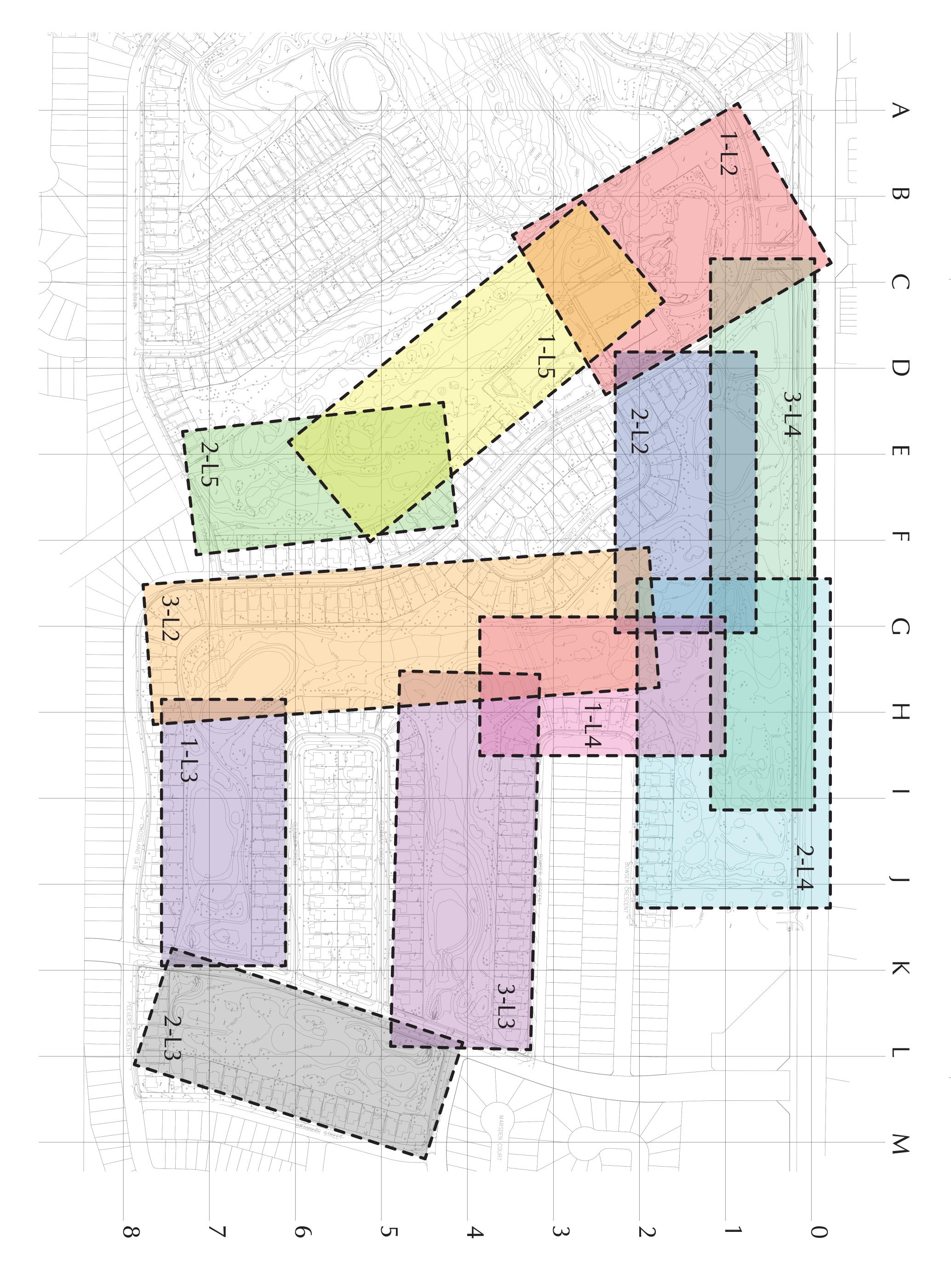
4. CONCLUSION(S)

- 1. Opportunities exist to transplant some trees, particularly those planted in the past 20 years.
- Where trees are located within areas not requiring grading, most trees will survive surrounding construction if properly protected.
- 3. No regionally rare plants were found on the subject property.
- 4. The next steps should include tree preservation, relocation and protection plans following preliminary design of the proposed housing.









NOTES:

WOODLAND EDGE PLANTING FASCINE

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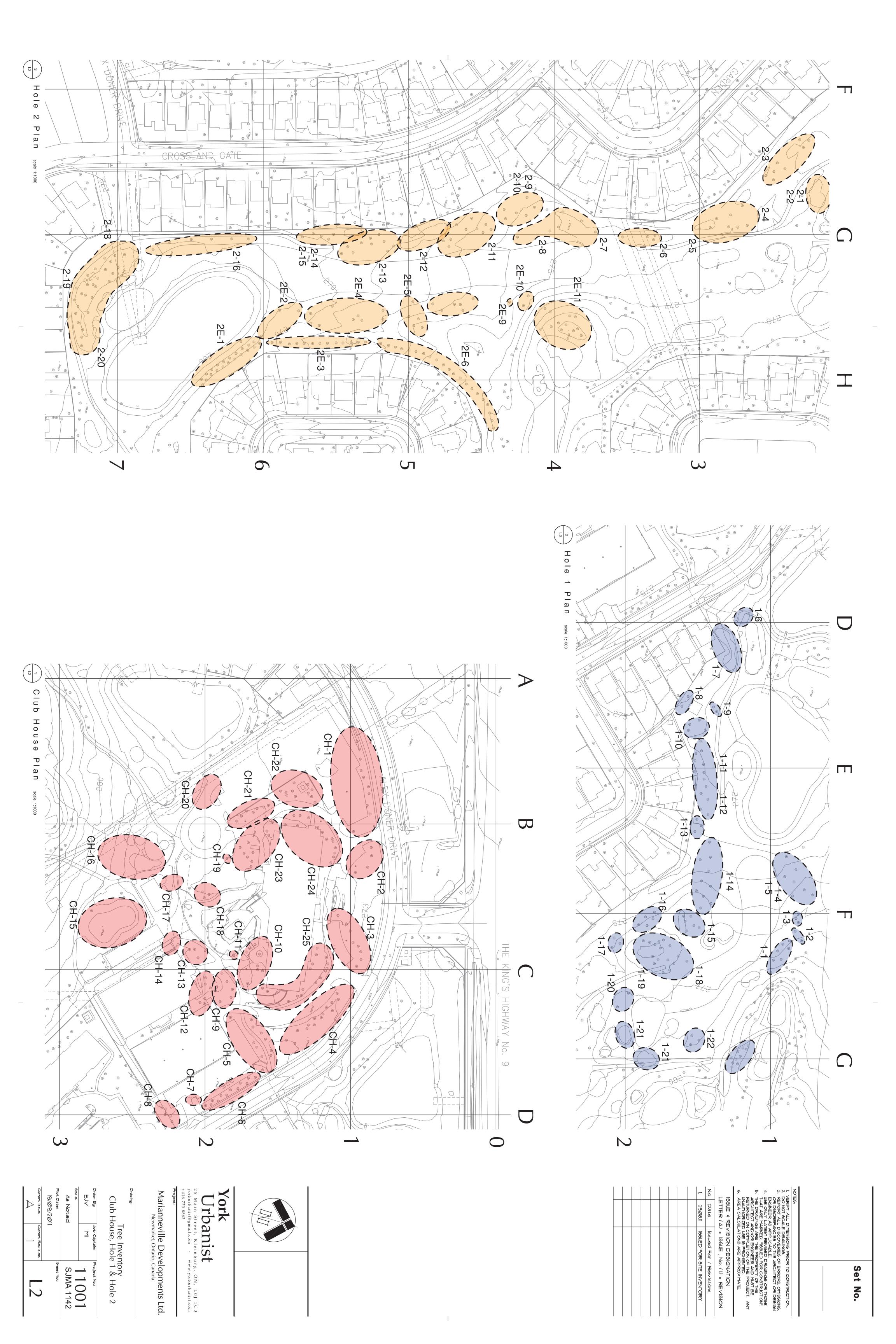
25 Main Street, Kleinburg, ON, L0J 1C0
yorkurbanist@gmail.com · www.yorkurbanist.com

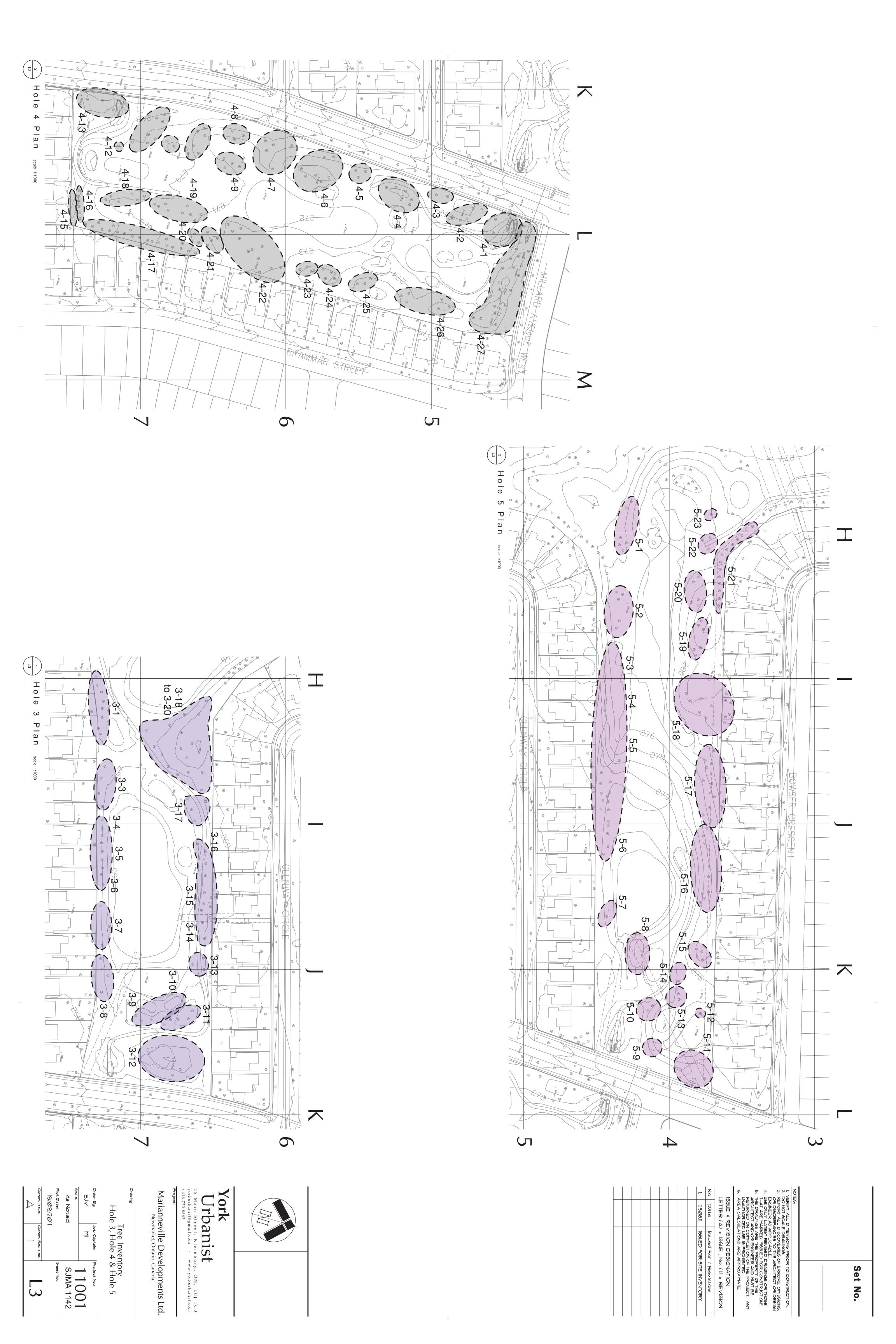
Marianneville Developments Ltd.

Newmarket, Ontario, Canada

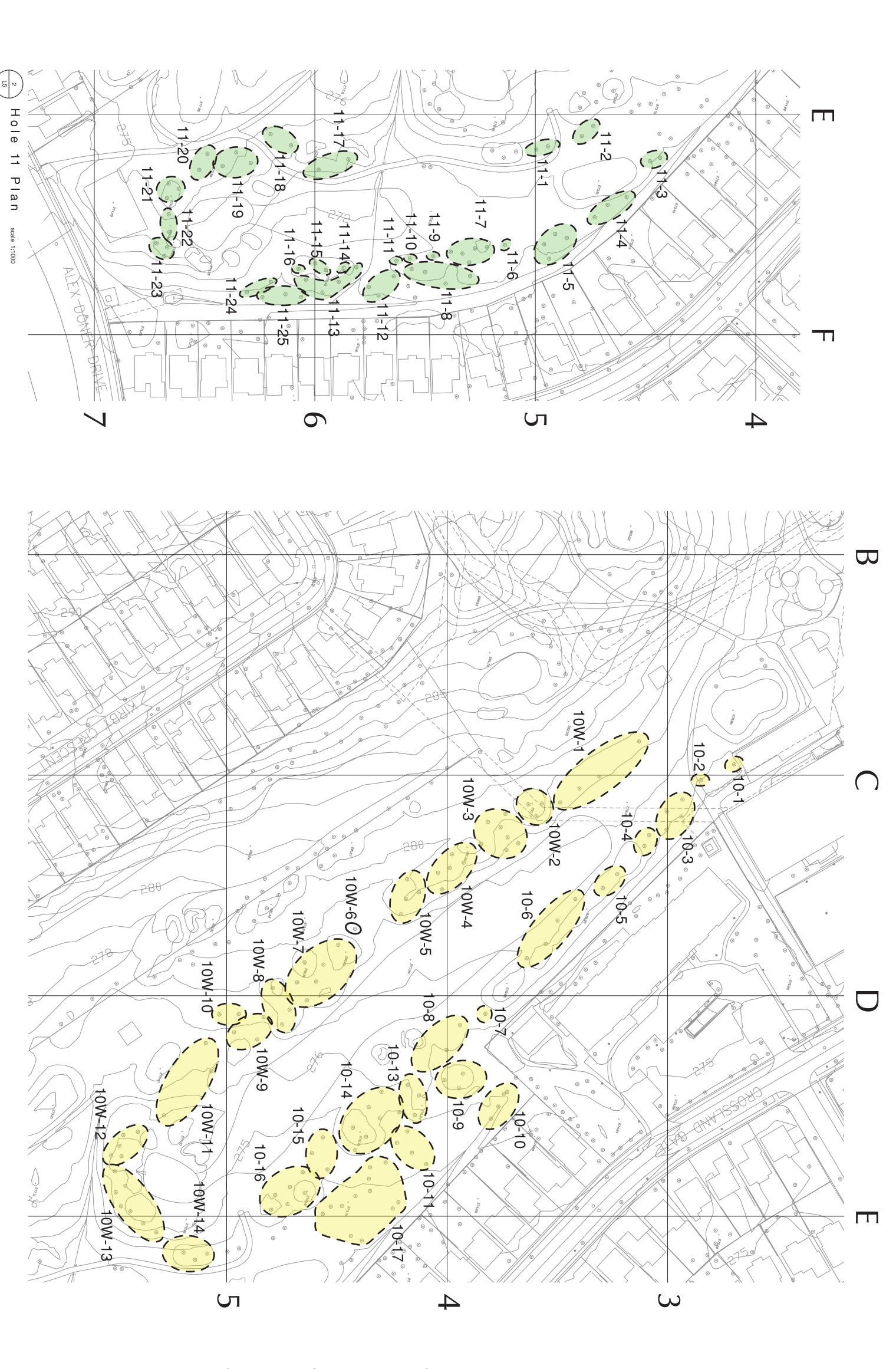
TREE INVENTORY REFERENCE PLAN

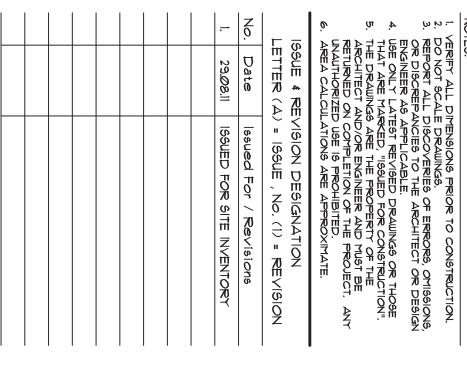
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Set No.

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Urbanist
einb
yorkurbanist@gmail.com · www.yorkurbanist.com t:416-770-8862

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Tree Inventory Hole 10 & Hole 11		

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Newmarket, Ontario, Canada

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APPENDIX B SELECTED PHOTOGRAPHY







HOLE 1



HOLE 2





HOLE 3









HOLE 4









HOLE 5





HOLE 6









HOLE 7





HOLE 8











HOLE 9









HOLE 10







HOLE 11



CLUBHOUSE

York Urbanist



ARBORIST REPORT PROJECT NAME: Estates of Glenway HOLE No. Clubhouse

		HOLE No.	Clubhouse			
Tree No.	Species Botanical Name	Common Name	Qty	Size DBH (cm)	radius (m)	Condition
	1 piece pungons	Colorado Sarvos	6	15-25	3.0	rood
	1 picea pungens acer platanoides	Colorado Spruce Norway Maple	4	15.0	3.0	good good; TS
			2	5.0	2.0	
	2 quercus rubra	Red Oak	1	20.0	3.0	good
	fraxinus americana	White Ash	3	1@25, 2@	1@3,	good
	picea pungens	Colorado Spruce	+	2mht	2@1m	good
	3 quercus rubra	Red Oak	1	12.0	2.5	good
	quercus palustris	Pin Oak	3	22.0	4.0	good; minor dieback
	picea pungens	Colorado Spruce	2	8.0	6mht	good
	abies balsamea	Balsam Fir	2	8.0	6mht	good
	4 picea pungens	Colorado Spruce	10	20.0	3.0	good
	acer saccharinum	Silver Maple	4	20.0	4.5	good;
	5 picea pungens	Colorado Spruce	5	20.0	3.0	good
	acer saccharinum	Silver Maple	1	35.0	4.5	good;
	acer platanoides	Norway Maple	5	25.0	3.0	good; TS
	6 picea pungens	Colorado Spruce	12	20.0	3.0	good
	7 quercus rubra	Red Oak	1	5.0	1.0	good
	8 picea pungens	Colorado Spruce	5	25.0	3.5	good
	9 acer platanoides	Norway Maple	6	25.0	3.0	good; TS
1	0 chamaecyparis nootkatensis	Nootka False Cypress	3	8.0	3.0	good
	betula papyrifera	European Birch	1	20.0	3.5	good
1	1 acer platanoides	Norway Maple	1	25.0	3.0	good health, contorted growth
1	2 picea pungens	Colorado Spruce	6	20-25	3.5	good;
1	3 picea pungens	Colorado Spruce	3	20-25	3.5	good;
1	4 fraxinus americana	White Ash	1	25.0	4.0	good
1	5 malus sp	Apple	1	18.0	2.0	good health, pruned growth
	fraxinus americana	White Ash	2	15.0	3.0	good
1	6 malus sp	Crabapple	3	15.0	3.5	good;
1	7 acer saccharinum	Silver Maple	1	30.0	3.5	good
1	8 abies balsamea	Balsam Fir	1	30.0	3.0	good
	picea pungens	Colorado Spruce	2	30.0	3.0	good
1	9 acer platanoides	Norway Maple	1	12.0	2.0	good
2	0 malus sp	Crabapple	2	15.0	3.5	good;
2	1 acer platanoides	Norway Maple	2	18.0	3.0	good
	picea pungens	Colorado Spruce	5	20.0	3.0	good
			_	_		

22	fraxinus americana	White Ash	3	10.0	1.5	good
	acer ginnala	Amur Maple	2	multistem	2.5m ht	good
	picea pungens	Colorado Spruce	6	20.0	3.0	good
23	picea pungens	Colorado Spruce	9	20.0	3.0	8 good; 1 dead
24	picea pungens	Colorado Spruce	2	35.0	4.5	good
	malus sp	Crabapple	8	20-25	3.5	good;

ARBORIST REPORT PROJECT NAME: Estates of Glenway

		HOLE No.	1			
Tree No.	Species Botanical Name	Common Name	Qty	Size DBH (cm)	radius (m)	Condition
	1 fraxinus americana	White Ash	7	12.0	22.0	fair; lichen fungus
	2 betula papyrifera	Paper Birch	2	10-15	3.0	fair; stunted growth; pruned to 3m
	3 fraxinus americana	White Ash	3	12-20	3.0	fair; lichen fungus
	4 acer platanoides Crimson King	Crimson King Maple	1	20.0	3.0	fair; TS; frost crack; fungus
	picea pungens	Colorado Spruce	2	25.0	3.0	fair; 20% dieback
	5 fraxinus americana	White Ash	3	10-15	3.0	2 good; 1 poor - 60% dieback
	salix babylonica	Weeping Willow	1	30.0	3.0	good
	6 pinus nigra	Austrian Pine	5	22-30	4.0	good; one leaning
	7 pinus nigra	Austrian Pine	5	22-30	4.0	fair; 20% dieback
	picea pungens	Colorado Spruce	5	25-35	4.5	good
	8 pinus nigra	Austrian Pine	2	25-35	3.5	fair; 30% dieback; one leaning
	9 picea pungens	Colorado Spruce	2	22-30	3.0	good; one leaning; one is topped
1	0 pinus nigra	Austrian Pine	3	22-30	4.0	poor
	picea pungens	Colorado Spruce	2	20-30	4.0	good; dense group; internal branch dieback
1	1 pinus nigra	Austrian Pine	2	25.0	2.5	fair; one leaning; DTB
	abies balsamea	Balsam Fir	3	15-30	2-4	poor; 30% dieback; one leaning
1	2 pinus nigra	Austrian Pine	2	25-33	4.5	2 good; 1 poor; 1 dead
	abies balsamea	Balsam Fir	6	25-30	2-4	good; dieback on lower branches
1	3 acer saccharinum	Silver Maple	5	10-20	2-4	good; 2 succoring
1	4 fraxinus americana	White Ash	9	12-25	3-4	good; insect leaf damage; surface roots; fungus
	acer saccharum	Sugar Maple	1	20.0	3.0	good; minor trunk damage
1	5 picea pungens	Colorado Spruce	3	25-33	3.0	good; one leaning;
	pinus nigra	Austrian Pine	3	25-33	4.5	2 fair; 1 poor - 30% dieback, no leader
1	6 acer saccharinum	Silver Maple	5	10-20	2-4	good; grouped
1	7 fraxinus americana	White Ash	7	10-20	2-4	good; fungus
1	8 acer saccharinum	Silver Maple	6	12-25	2-4	good; one succoring; one with minor trunk damage; roots exposed
	acer platanoides	Norway Maple	5	20-25	3-3.5	good; surface roots; trunk damage on one
1	9 picea pungens	Colorado Spruce	5	20-35	3-3.5	good; dense group
2	0 acer platanoides	Norway Maple	1	30.0	5.0	good; flare trunk; surface roots; TS
	acer saccharum	Sugar Maple	1	20.0	2.5	good
2	1 pinus nigra	Austrian Pine	5	35-45	4.5	good; minor trunk damage and DTB
2	2 acer saccharinum	Silver Maple	3	15-20	4.5-6	good; succoring
Notes:	DTB	Diplodia Tip Blight	•	•	•	-

Notes: DTB

Diplodia Tip Blight Tar Spot on leaves

TS

ARBORIST REPORT PROJECT NAME: Estates of Glenway
HOLE No. 2

		HOLE No.	2			
Tree	Species		Qty	Size	radius (m)	Condition
No.	Botanical Name	Common Name		DBH (cm)	` '	
				2 4	2.0	
	1 abies balsamea	Balsam Fir	4	2-4m ht	2.0	good; located on slope
	2 betula pendula	European Birch	3	35.0	3.5	2 good; 1 poor 40% dieback
	3 abies balsamea	Balsam Fir	13	5.0	3-4.5m ht	good
	4 acer saccharinum	Silver Maple	9	15-35	4.0	good; pruned high; surface roots
	5 acer saccharinum	Silver Maple	1	45.0	5.0	good
	fraxinus americana	White Ash	4	10-15	2-3	good; surface roots
	6 abies balsamea	Balsam Fir	21	5-8	3-7mht	19 good; 2 fair
	7 acer platanoides	Norway Maple	2	12.0	2.0	1 good; 1 poor
	acer saccharinum	Silver Maple	3	12-18	2-3.5	good
	8 acer saccharinum	Silver Maple	1	dbl stem	2.5	fair; lichen fungus
	9 fraxinus americana	White Ash	1	95.0	8.5	good; some dieback and insect damage on leaves
1	.0 acer platanoides	Norway Maple	2	18.0	3.0	good; surface roots
1	1 pinus nigra	Austrian Pine	7	18.0	3.0	1 good; 6 poor; DTB
	picea pungens	Colorado Spruce	5	35.0	4.5	4 good; 1 poor; dieback and leaning
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ARBORIST REPORT PROJECT NAME: Estates of Glenway
HOLF No. 2

		HOLE No.	2			
Tree No.	Species Botanical Name	Common Name	Qty	Size DBH (cm)	radius (m)	Condition
1	malus sp.	Apple	3	2-4m ht	2.0	originai tarm neogerow; trees
		Dotted Hawthorn	5	multistem		original farm neagerow; trees overmature
-	crateagus sp		1	7.0		
	prunus sp acer saccharinum	Cherry Silver Maple	8	18-30	4.0	covered in vines - poor fair; succoring
	abies balsamea	Balsam Fir	1	30.0	4.5	good
4	populus tremuloides	Trembling Aspen	1	30.0	4.5	poor 30% dieback
			1	18.0	2.5	
	fraxinus americana	White Ash	3	25-30	3-4	good good; one succoring; one with
	acer saccharinum	Silver Maple	2	30.0	3.0	frost crack
	pinus nigra	Austrian Pine	1	35.0	3.5	poor 30% dieback
/	picea pungens	Colorado Spruce	5	30-35	3.0	good
	abies balsamea	Balsam Fir	2	30-35	3.0	good
8	pinus nigra	Austrian Pine	1	15.0	3.0	good; some DTB
	fraxinus americana	White Ash	5	18-25	3.0	good
S	acer saccharinum	Silver Maple				good; 2 succoring
	acer saccharum	Sugar Maple	1	multistem	4.5	good; unusual; trunk fungus
10	ostrya virginiana	Hophornbeam	1	5.0	3.0	good; growing together
	fraxinus americana	White Ash	1	15.0	3.0	
11	acer platanoides	Norway Maple	6	22-33	6.0	good; surface roots; TS
	abies balsamea	Balsam Fir	3	35.0	3.5	good
12	pinus strobus	White Pine	4	33-38	3.5	good
	picea pungens	Colorado Spruce	4	33-38	3.5	good
13	acer saccharinum	Silver Maple	5	20-30	3.5	good; 2 succoring
	pinus strobus	White Pine	3	20-30	3.5	good; one weeping out trunk
	abies balsamea	Balsam Fir	2	30.0	3.5	good
14	pinus nigra	Austrian Pine	2	30.0	3.5	good; 10 % dieback
	abies balsamea	Balsam Fir	4	25.0	3.5	3 good; 1 fair - 20% dieback
15	acer platanoloes Crimson King	Crimson King Maple	1	20.0	3.0	good; trunk damage
16	tilia cordata	Littleleaf Linden	4	18-30	2.5-3	good; trunk damage
	abies balsamea	Balsam Fir	3	30.0	3.0	good

17	cnamaecyparis nootkatensis	Cypress	2	10.0	6m ht	good
18	fraxinus americana	White Ash	5	10-15	2.0	good
	acer saccharinum	Silver Maple	11	10-15	2.0	surface roots; succoring
19	abies balsamea	Balsam Fir	5	20.0	3.0	good
	picea pungens	Colorado Spruce	2	20.0	3.0	good
20	acer platanoides	Norway Maple	2	18.0	3.0	good
21						

Notes: DTB Diplodia Tip Blight

TS Tar Spot on leaves

ARBORIST REPORT PROJECT NAME: Estates of Glenway

		HOLE No.	3	ı		
Tree No.	Species Botanical Name	Common Name	Qty	Size DBH (cm)	radius (m)	Condition
				, , ,		
1	abies balsamea	Balsam Fir	3	5m ht	2.0	good
	picea pungens	Colorado Spruce	2	30.0	2.5	good
2	picea omorika	Serbian Spruce	3	3m ht	1m	good
3	abies balsamea	Balsam Fir	4	35.0	3-4.5	good
4	abies balsamea	Balsam Fir	1	15.0	2.0	good
	picea omorika	Serbian Spruce	3	15.0	2.0	good
5	abies balsamea	Balsam Fir	1	15.0	2.0	good
	picea pungens	Colorado Spruce	2	15.0	2.0	good
6	fraxinus americana	White Ash	1	20.0	3.0	good
7	betula pendula	European Birch	2	30,35	3.0	1 good; 1 poor
8	picea pungens	Colorado Spruce	2	30-35	3.5	good
	abies balsamea	Balsam Fir	2	30-35	3.5	good
9	abies balsamea	Balsam Fir	3	30.0	3.5	2 good; 1 poor 40% dieback
	fraxinus americana	White Ash	1	12.0	3.0	good
10	acer platanoides	Norway Maple	1	18.0	3.0	good
	acer saccharinum	Silver Maple	2	12,25	2-3.5	good; succoring
11	pinus nigra	Austrian Pine	2	30.0	3.0	good
	acer platanoides	Norway Maple	3	30.0	6.0	good; surface roots
12	pinus nigra	Austrian Pine	7	30-35	5.0	6 good; 1 poor
	picea pungens	Colorado Spruce	3	35.0	5.0	good
13	pinus nigra	Austrian Pine	3	30-38	3-4.5	good
14	abies balsamea	Balsam Fir	3	30-35	5.0	2 good; 1 poor 40% dieback
	pinus nigra	Austrian Pine	3	35.0	4.5	2 good; 1 fair DTB
15	abies balsamea	Balsam Fir	2	35.0	3.0	good
	picea pungens	Colorado Spruce	1	30.0	2.5	good
16	abies balsamea	Balsam Fir	2	25-30	3.5	good; 1 leaning
17	picea pungens	Colorado Spruce	1	20.0	2.5	good
	fraxinus americana	White Ash	3	20.0	4.0	good
18	pinus nigra	Austrian Pine	5	30-38	3-4.5	good
	fraxinus americana	White Ash	2	15-20	4.0	good
19	picea pungens	Colorado Spruce	4	30-35	3.5	good
	acer platanoides Schwedleri	Schwedler Maple	1	18.0	2.5	good
20	betula pendula	European Birch	3	25-35	3.5	1 good; 1 fair; 1 poor
	abies balsamea	Balsam Fir	1	30.0	3.5	good
21						
Notes:	DTB	Dinlodia Tin Blight				

Notes: DTB

Diplodia Tip Blight Tar Spot on leaves ARBORIST REPORT PROJECT NAME: Estates of Glenway

		HOLE No.	4			
Tree No.	Species Botanical Name	Common Name	Qty	Size DBH (cm)	radius (m)	Condition
1	pinus nigra	Austrian Pine	6	30-35	3.0	good
	acer platanoides	Norway Maple	2	8.0	2.5	good
2	acer saccharinum	Silver Maple	5	25-35	3.5	good; surface roots;
3	fraxinus americana	White Ash	2	25.0	3-4.5	good; fungus/lichen; frost damage
4	pinus nigra	Austrian Pine	4	30-35	3.0	good; minor dieback
5	fraxinus americana	White Ash	3	18.0	3.0	good
6	acer platanoides	Norway Maple	6	18-30	33.5	good;TS
	acer saccharum	Sugar Maple	1	18.0	2.5	good
7	acer saccharum	Sugar Maple	1	25.0	3.0	good; trunk damage
	acer saccharinum	Silver Maple	1	25.0	3.5	good
	fraxinus americana	White Ash	3	25-35	3.0	good
8	acer platanoides	Norway Maple	3	25-35	40667.0	good; TS
9	picea pungens	Colorado Spruce	4	30-35	3.5	good; one leaning
10	fraxinus americana	White Ash	3	21.0	3.0	good
	acer saccharinum	Silver Maple	3	25.0	3.5	good
11	pinus nigra	Austrian Pine	2	30.0	3.0	poor; misshapen
12	acer saccharinum	Silver Maple	7	20-25	4.5	good; 3 succoring
13	acer platanoides	Norway Maple	4	15-30	3-4.5	good; TS
14	picea pungens	Colorado Spruce	1	30.0	5.0	good
15	acer ginnala	Amur Maple	6	multistem		good; mature ht
16	abies balsamea	Balsam Fir	5	25-30	3.5	good;
	fraxinus americana	White Ash	1	20.0	4.0	good
17	abies balsamea	Balsam Fir	15	12.0	2.0	good; hedgerow on fence
	fraxinus americana	White Ash	6	20.0	4.0	good
18	acer saccharinum	Silver Maple	3	15-20	3.0	good; 3 succoring
	pinus nigra	Austrian Pine	3	20-30	4.0	good; DTB
19	acer saccharinum	Silver Maple	6	12-15	2.5	good; 3 succoring
	pinus nigra	Austrian Pine	3	25-30	4.0	2 good; 1 fair
20	abies balsamea	Balsam Fir	2	30.0	2.5	good
	picea pungens	Colorado Spruce	4	30-35	3.5	good
21	pinus nigra	Austrian Pine	3	30-35	3.0	1 good; 2 poor
	picea pungens	Colorado Spruce	1	30.0	3.5	good
22	fraxinus americana	White Ash	4	30-35	8.0	3 good; 1 poor
	acer platanoides	Norway Maple	6	26.0	3.0	good; TS
23	pinus nigra	Austrian Pine	2	18,30	4.5	1 good; 1 poor
	picea pungens	Colorado Spruce	1	35.0	4.5	good

24	acer saccharinum	Silver Maple	4	12-22	4.5	good; all succoring
25	picea pungens	Colorado Spruce	3	30-35	3.5	good
26	acer saccharinum	Silver Maple	3	25	3	good
	acer saccharum	Sugar Maple	3	20-25	5.5	good; succoring
27	pinus nigra	Austrian Pine	9	30-38	5	7 good; 2 poor
	picea pungens	Colorado Spruce	11	30-35	5	10 good; 1 poor
	acer platanoides	Norway Maple	2	33	5	good; TS

Notes:

DTB

Diplodia Tip Blight

TS

Tar Spot on leaves

ARBORIST REPORT Estates of Glenway PROJECT NAME:

	1	HOLE No.	5			<u></u>
Tree	Species	C	Qty	Size	radius (m)	Condition
No.	Botanical Name	Common Name		DBH (cm)	. ,	
	4	C'I - A A A A A	6	12-15	2.5	good; 1 has damaged trunk; surface roots; 4
	1 acer saccharinum	Silver Maple	2	30.0	3.5	are succoring
	2 acer platanoides	Norway Maple				good; surface roots; TS
3	pinus strobus	White Pine	18	20-30	3-4.5	16 good; 1 poor; 1 dead
	pinus nigra	Austrian Pine	4	28.0	3	poor; DTB
4	4 abies balsamea	Balsam Fir	16	25-35	3.5	good
	acer platanoides	Norway Maple	4	30.0	3.5	good; surface roots; TS
!	5 fraxinus americana	White Ash	2	15,30	3.5	fair; 30% dieback
	acer saccharum	Sugar Maple	3	12-20	4.5	good
(6 larix laricina	Tamarack	1	35.0	4.0	good
	7 acer saccharum	Sugar Maple	1	18.0	3.0	good
	acer platanoides	Norway Maple	1	22.0	4.0	good; fungus/lichen
	8 abies balsamea	Balsam Fir	6	30-35	3.5	good; clumped
	9 picea pungens	Colorado Spruce	9	30-35	3.5	good
	0 abies balsamea	Balsam Fir	2	25-30	3.5	good; some branches damaged
	1 pinus nigra	Austrian Pine	7	35-40	6.0	fair; 30% dieback
	acer saccharinum	Silver Maple	1	60.0	8.0	good
12	2 acer saccharinum	Silver Maple	1	50.0	7.0	good
13	3 abies balsamea	Balsam Fir	3	30-45	3.5	good
	4 acer platanoides	Norway Maple	2	30.0	5.0	good; TS
	5 acer saccharinum	Silver Maple	4	20-26	5.5	good; one has trunk damage
	6 abies balsamea	Balsam Fir	8	25-30	3.5	good;
	pinus nigra	Austrian Pine	2	30-35	4.0	good
1	7 picea pungens	Colorado Spruce	7	30-35	3.5	good
	8 abies balsamea	Balsam Fir	4	25-30	3.5	good;
10	pinus nigra	Austrian Pine	4	30-35	4.0	good
10	9 picea pungens	Colorado Spruce	3	30-35	3-4	2 good; 1 poor
	fraxinus americana	White Ash	3	20.0	2.5	
24			3	15-18	2.5	good; trunk damage
20	0 acer saccharinum	Silver Maple	2	15-22	2.5	good
	acer platanoides	Norway Maple				good; 2 succoring
2:	1 abies balsamea	Balsam Fir	14	15.0	2.5	good; fence row
22	2 acer saccharinum	Silver Maple	3	20.0	3.5	good
23	3 acer platanoides	Norway Maple	1	15.0	2.5	fair; stunted growth
24	4					
2!	5					
Notes:	DTB	Diplodia Tip Blight	_			

Notes:

DTB

Diplodia Tip Blight Tar Spot on leaves ARBORIST REPORT PROJECT NAME: Estates of Glenway
HOLE No. 6

		HOLE No.	6			
Tree No.	Species Botanical Name	Common Name	Qty	Size DBH (cm)	radius (m)	Condition
	1 fraxinus americana	White Ash	1	25.0	3.0	good
	2 fraxinus americana	White Ash	2	25.0	3.0	one poor; one good
	3 picea pungens	Colorado Spruce	1	30	3.5	good
	pinus nigra	Austrian Pine	2	25-35	3	1 good; 1 fair - leaning
	4 picea pungens	Colorado Spruce	3	25-35	3.5	good
	pinus nigra	Austrian Pine	3	25-35	3	2 good; 1 fair - dense group
	5 picea pungens	Colorado Spruce	3	25-28	3.5	good
	6 acer saccharinum	Silver Maple	2	25.0	4.0	good
	abies balsamea	Balsam Fir	1	25.0	3.5	good
	acer platanoides	Norway Maple	1	25.0	3.5	good
	7 pinus nigra	Austrian Pine	2	30	3.5	1 good; 1 poor
	8 acer platanoides	Norway Maple	4	30-35	3.5	good; TS; roots exposed
	9 pinus nigra	Austrian Pine	3	35.0	3.5	1 good; 2 fair DTB
1	0 picea pungens	Colorado Spruce	4	35.0	3.5	good
	pinus nigra	Austrian Pine	3	35.0	4.5	good
1	1 thuja occidentalis	White Cedar	6	3m ht		good
1	2 acer platanoides	Norway Maple	4	22.0	2.5	good; TS
1	3 acer saccharinum	Silver Maple	3	25.0	3.0	good
1	4 crataegus punctata	Dotted Hawthorn	10	multi-stem		original farm hedgerow; declining
1	5 abies balsamea	Balsam Fir	2	25.0	3.5	good
1	6 picea pungens	Colorado Spruce	4	30-35	2-2.5	good
1	7 pinus nigra	Austrian Pine	4	30-35	3.0	3 good; 1 fair - multistem, no leader
1	8 acer platanoides	Norway Maple	1	25.0	3.5	good; TS
1	9 picea pungens	Colorado Spruce	3	30-35	3-4	good
2	0 acer saccharinum	Silver Maple	3	25-30	3.5	good; two succoring
2	1 pinus nigra	Austrian Pine	3	25-30	3.0	2 good; 1 fair - dense group
2	2 acer saccharinum	Silver Maple	3	15-25	3.5	good; one succoring
2	3					
2	4					
2						
Notes:	DTB	Diplodia Tip Blight				

ARBORIST REPORT PROJECT NAME: Estates of Glenway

		HOLE No.	7			
Tree No.	Species Botanical Name	Common Name	Qty	Size DBH (cm)	radius (m)	Condition
	1 acer platanoides	Norway Maple	3	20	3	good; TS; fungus; surface roots
	2 acer saccharinum	Silver Maple	3	12-18	3	good: surface roots
	3 acer saccharum	Sugar Maple	2	15-20	3.5	good; fungus
	4 acer saccharinum	Silver Maple	3	12-18	3	good: surface roots; one is succoring
	5 acer platanoides	Norway Maple	3	25-28	3.5	good; TS; fungus; surface roots
	6 acer saccharinum	Silver Maple	1	35	4	good
	7 pinus nigra	Austrian Pine	13	25-35	3.5	4 good; 5 fair; 4 poor
	8 picea pungens	Colorado Spruce	5	25-35	3.5	good; dense group
	9 pinus nigra	Austrian Pine	2	35-45	4.5	good; dense group; DTB
1	0 abies balsamea	Balsam Fir	2	35	3.5	good
	acer platanoides	Norway Maple	2	25	3.5	good; tS; fungus; surface roots; trunk flare
1	1 pinus nigra	Austrian Pine	4	30 - 40	3.5	2 good; 2 fair - dead leader 40% dieback
	abies balsamea	Balsam Fir	4	30	3.5	good
1	2 abies balsamea	Balsam Fir	6	20-35	3-4	good
	acer platanoides	Norway Maple	4	20-35	2.5	good; tS; fungus; surface roots; trunk flare
1	3 acer platanoides Crimson King	Crimson King Maple	1	18	2.5	good; tS; fungus; surface roots; trunk flare
	fraxinus americana	White Ash	1	24	3.5	fair; 10% dieback; insects on leaves
1	4 abies balsamea	Balsam Fir	7	25-35	3-4	good
	pinus nigra	Austrian Pine	2	35	3.5	good; 20% dieback
1	5 acer saccharinum	Silver Maple	4	12-20	2-4.5	good; one succoring; one with tree cavity fair: leaning; insect damage; trunk damage;
1	6 fraxinus americana	White Ash	3	15-22	2-2.5	20% dieback
1	7 acer ginnala	Amur Maple	3	6m ht		good
1	8 abies balsamea	Balsam Fir	4	25-30	1.5	good
1	9 abies balsamea	Balsam Fir	7	15-22	3-4	good
	acer platanoides Crimson King	Crimson King Maple	1	Jan-00	3.5	good; located on slope
2	0 acer saccharinum	Silver Maple	3	30-35	3.5	good; two succoring
2	1					
2	2					
2	3					
2	4					
2						
Notes:	DTB	Diplodia Tip Blight				-

ARBORIST REPORT PROJECT NAME: Estates of Glenway
HOLE No. 8

	_ _	HOLE No.	. 8			
Tree	Species	Common Norma	Qty	Size	radius (m)	Condition
No.	Botanical Name	Common Name		DBH (cm)		
			3	25-35	3-3.5	1.70 (
	1 acer platanoides	Norway Maple				good; TS; fungus; surface roots
	2 picea pungens	Colorado Spruce	3	30-35	2.5	good; one has 10% dieback
	pinus nigra	Austrian Pine	2	35	3	good
	3 abies balsamea	Balsam Fir	3	8-20	30	good
	pinus nigra	Austrian Pine	3	24-30	2.5-3.5	one good; one poor due to DTB, 40% dieback
	4 picea pungens	Colorado Spruce	4	30-35	2.5	3 good; one poor
	pinus nigra	Austrian Pine	3	24-30	3	2 good; 2 fair - leaning and DTB one good; one has trunk cavity at first
	5 fraxinus americana	White Ash	2	25	4.5	branch - fair
	6 picea pungens	Colorado Spruce	1	28	3	good
	pinus nigra	Austrian Pine	3	24-30	3.5	poor; 50% dieback
	7 thuja occidentalis	White Cedar	4	10m ht		good
	8 acer saccharinum	Silver Maple	3	25 -30	6	good; 20% dieback on one
	9 picea pungens	Colorado Spruce	10	30-35	3	good
	pinus nigra	Austrian Pine	5	30	3.5	good; dense group
1	10 acer platanoides Schwedleri	Schwedler Maple	1	25	3	good
	acer ginnala	Amur Maple	2	multi- stem	6m ht	good
1	1 pinus nigra	Austrian Pine	4	30 - 40		healthy but leaning
1	12					
1	.3					
1	14					
	1.5					
	1.6					
	1.7					
	1.8					
	19					
	20					
2	21					
	22					
2	23					
2	24					
	25					
Notes:	DTR	Diplodia Tip Blight				1

ARBORIST REPORT PROJECT NAME: Estates of Glenway
HOLE No. 9 north

		HOLE No.	9	north	ľ	
Tree No.	Species Botanical Name	Common Name	Qty.	Size DBH (cm)	radius (m)	Condition
			-			
	1 acer platanoides Schwedleri	Schwedler Maple	5	12 - 15	2.5	4 good; one poor with trunk damage; TS
	2					
	3					
	4 acer platanoides	Norway Maple	1	18	3.5	good; TS; fungus on trunk
	5 fraxinus americana	White Ash	1	15	2.5	good
	6 fraxinus americana	White Ash	1	15	2.5	good
	7 acer platanoides	Norway Maple	1	12	2	poor; 25% dieback
	8 acer platanoides	Norway Maple	3	15-28	4-5	fair; frost crack; fungus
	picea pungens	Colorado Spruce	3	15 - 25	2-3	poor; 25% dieback
	9 picea pungens	Colorado Spruce	1	10&20	2.5	poor double trunk; 50% dieback
	0 pinus nigra	Austrian Pine	6	25	4	fair; 20% dieback; DTB
	acer platanoides	Norway Maple	2	15-20	4	fair; two branches dead; TS
1	1 acer saccharum	Sugar Maple	1	15	2.5	fair; fungus/lichen; pruned to 3m
	2 fraxinus americana	White Ash	1	15	4	good
	3 acer saccharum	Sugar Maple	3	12-18	3.5	fair; road salt damage; pruned to 3m
	4 pinus nigra	Austrian Pine	3	20 - 25	3	fair; DTB
	5 acer platanoides	Norway Maple	3	dbl trunk	3	fair; dbi trunk; one trunk damaged; pruned to 3m
	6 pinus nigra	Austrian Pine	3	20 - 25	3	fair; DTB
	7 pinus nigra	Austrian Pine	3	20 - 25	3	fair; DTB
	8 acer platanoides	Norway Maple	3	20 - 25	2-4	poor; 15; caterpillars; frost crack; trunk damage
	9 pinus nigra	Austrian Pine	4	20 - 25	3	fair; DTB
	0 acer platanoides	Norway Maple	6	20 - 25	2-4	5 good; 1 poor; TS; surface roots
	1 pinus nigra	Austrian Pine	9	22-28	2-3	fair; DTB; one stunted; one has 50% dieback
	2 picea pungens	Colorado Spruce	3	20-30	2.5	fair; leaning; 10% dieback
	3 pinus nigra	Austrian Pine	2	22-28	2-3	fair; DTB; one has 20% dieback
	4 pinus nigra	Austrian Pine	5	25	2-3	fair; DTB; one has 20% dieback
	picea pungens	Colorado Spruce	4	20-35	2.5-3.5	fair; leaning; 10% dieback; pruned to 1m
າ	5 picea pungens	Colorado Spruce	7	25-30	2.5-3.5	fair; 10% dieback; one missing leader
	6 acer platanoides	Norway Maple	6	25-30	4	
	·	, .	1	20	2	5 good; 1 poor; TS; surface roots fair; trunk damage; surface roots; insect
	7 betula pendula	European Birch	1	10	6m ht	damage
2	8 chamaecyparis nootkatensis	Nootka False Cypress	4	25-35	02-Apr	good
Notos	picea pungens	Colorado Spruce	7	25 55	OZ Api	2 good; 2 poor with 30% dieback

ARBORIST REPORT PROJECT NAME: Estates of Glenway
HOLE No. 9 south

		HOLE No.	9	south		
Tree No.	Species Botanical Name	Common Name	Qty.	Size DBH (cm)	radius (m)	Condition
				, ,		
	1 picea abies	Balsam Fir	11	35	3.5	10 good; 1 poor
	2 acer saccharinum	Silver Maple	3	12 - 15	3	fair; fungus/lichen on trunk; one leaning; succoring; 10% dieback
	3 picea pungens	Colorado Spruce	3	25	2.5	good
	4 picea abies	Balsam Fir	2	25	3	good
	pinus nigra	Austrian Pine	3	25 - 30	3	fair; 20% dieback; DTB
	5 acer ginnala	Amur Maple	4	5-7m ht		good
	picea abies	Balsam Fir	2	20-25	3	good
	6 fraxinus americana	White Ash	2	25 - 30	4.5	good; insect damage on trunk; 10% dieback
	picea pungens	Colorado Spruce	3	22 - 30	4.5	good
	7 acer platanoides Crimson King	Crimson King Maple	4	18 - 25	3	good; frost crack on one; pruned high; orange fungus; TS; surface roots
	pinus nigra	Austrian Pine	2	20 - 25	2.5	poor; one leaning; 30% dieback; DTB
	8 acer saccharinum	Silver Maple	6	15 - 25	3.5 - 4.5	good; 10% dieback
	9 picea pungens	Colorado Spruce	3	20 - 25	2.5	good
	10					
	11					
	12					
	13					
	14					
	15					
	16					
	17					
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					

ARBORIST REPORT PROJECT NAME: Estates of Glenway
HOLE No. 10 east

		HOLE No.	10	east		
Tree No.	Species Botanical Name	Common Name	Qty.	Size DBH (cm)	radius (m)	Condition
	1 pinus nigra	Austrian Pine	1	30	3.5	good
	2 acer platanoides	Norway Maple	1	20	4.5	poor; 40% dieback; damaged trunk
	3 fraxinus americana	White Ash	3	13 - 15	4.5	good; fungus on trunk
	acer platanoides	Norway Maple	1	12	4.5	good; fungus on trunk; TS
	4 pinus nigra	Austrian Pine	2	30	4.5	good
	5 betula papyrifera	Paper birch	2	15	3	good
	6 acer platanoides	Norway Maple	1	25	4.5	good; TS
	acer saccharinum	Silver Maple	3	45	5.5	good
	7 acer platanoides	Norway Maple	1	35	4.5	good
	8 fraxinus americana	White Ash	3	10 - 18	2.5 - 3.5	good; one is stressed due to root exposure
	9 acer platanoides	Norway Maple	3	25 - 35	4.5	2 good; one poor due to trunk damage
	thuja occidentalis	White Cedar	6	3m ht	2	good
	10 acer platanoides	Norway Maple	2	8 - 30	2 - 3.5	good; TS
	thuja occidentalis	White Cedar	3	3.5m ht	2	good
	11 thuja occidentalis	White Cedar	1	2.5m ht.	1.5	good
	pinus sylvestris	Scots Pine	2	12	3	1 good; 1 poor
	12 acer negundo	Manitoba Maple	1	18	3.5	good condition; poor specimen
	abies balsamea	Balsam Fir	1	5	2	good
	13 acer platanoides	Norway Maple	3	25	4	good; TS
	14 fraxinus americana	White Ash	7	10 - 30	2.5 - 4.5	good; fungus on trunk
	15 acer saccharinum	Silver Maple	3	15 - 22	4.5 - 5	good; roots exposed
	16 fraxinus americana	White Ash	6	15 - 25	2.5 - 4.5	good
	17 abies balsamea	Balsam Fir	3	3m ht	1.5	good
	pinus nigra	Austrian Pine	1	3m ht	1.4	stunted growth; poor
	18					
	19					
	20					
	21					
	22					
	23					
	24					
	25					

ARBORIST REPORT PROJECT NAME: Estates of Glenway
HOLE No. 10 west

		HOLE No.	10	west		
Tree No.	Species Botanical Name	Common Name	Qty.	Size DBH (cm)	radius (m)	Condition
			4	15 -30	2 - 5	
	1 fraxinus americana	White Ash	3	30	3.5	good
	2 pinus nigra	Austrian Pine	1	15	3	fair; some dieback
:	3 fraxinus americana	White Ash	3	15 - 25	6	good
	acer saccharinum	Silver Maple	1	15 25	2.5	good
	fraxinus americana	White Ash	3	15 - 25	4.5	good
	acer saccharinum	Silver Maple				good
	acer platanoides	Norway Maple	2	18	2.5	good; TS
Ĺ	fraxinus americana	White Ash	3	15	2.5	good
	acer platanoides	Norway Maple	1	18	3.5	good
(betula papyrifera	Paper Birch	1	18	3	good
-	7 fraxinus americana	White Ash	6	8 - 25	1 - 4	good; exposed roots
8	fraxinus americana	White Ash	3	10 - 12	1 - 2	good
g	pinus nigra	Austrian Pine	3	25 - 30	3.5 - 4.5	2 good; 1 poor; dieback DTB
10	acer saccharinum	Silver Maple	2	18	2.5	good
11	I pinus nigra	Austrian Pine	2	30	2.5	poor
12	2 pinus nigra	Austrian Pine	2	30 - 35	4.2	fair; some dieback
	acer platanoides	Norway Maple	3	30	4 -6	good; TS
13	3 pinus nigra	Austrian Pine	6	25 - 35	3	4 good; two poor
	acer platanoides	Norway Maple	3	30	3	good; TS
14	1 malus sp	Apple	3	20 - 40	5.5	good
	5 pinus nigra	Austrian Pine	1	30	4.5	fair; some dieback; leaning
16						5,000
17						
18						
19						
20						
2:						
22						
23						
24						
25	5 DTD	Dialedia Tia Diiaht				

Notes: DTB TS Diplodia Tip Blight Tar Spot on leaves ARBORIST REPORT PROJECT NAME: Estates of Glenway HOLE No. 11

		HOLE No.		11	
Tree No.	Species Botanical Name	Common Name	Qty	Size DBH (cm)	Condition
1	pinus nigra	Austrian Pine	2	40	good
2	acer platanoides Crimson King	Crimson King Maple	2	8	good
3	acer platanoides Crimson King	Crimson King Maple	2	8-20	good
4	malus sp.	Apple	3	15-20	good
5	pinus nigra	Austrian Pine	4	20 - 30	one poor; three good
6	acer saccharinum	Silver Maple	1	30	good
7	fraxinus americana	White Ash	6	Aug-20	good; roots exposed
8	pinus nigra	Austrian Pine	4	25 -30	healthy but stunted with some dieback
g	acer saccharinum	Silver Maple	1	40	good; roots exposed
10	fraxinus americana	White Ash	1	15	good
11	pinus nigra	Austrian Pine	4	30 - 40	healthy but leaning
12	acer saccharinum	Silver Maple	1	22	good
13	fraxinus americana	White Ash	2	Dec-20	good
14	acer saccharinum	Silver Maple	1	28	good
15	pinus nigra	Austrian Pine	2	35	1 fair; 1 good
16	acer platanoides	Norway Maple	2	30	TS; roots expose; good
17	acer saccharinum	Silver Maple	3	20 - 28	good; two are succoring
18	pinus nigra	Austrian Pine	2	35 - 40	one good; one poor due to DTB
19	acer platanoides	Norway Maple	3	30 - 32	good; TS; Roots exposed
20) pinus nigra	Austrian Pine	2	32	good
21	acer platanoides	Norway Maple	3	30	good; TS
	pinus nigra	Austrian Pine	2	30 - 35	one poor; one fair; DTB; dieback
	acer saccharinum	Silver Maple	2	12 - 15	good; minor trunk damage; succoring on two
24	fraxinus americana	White Ash	3	15	good
25	5				