ARBORIST REPORT & TREE PROTECTION PLAN

PERTAINING TO:	4025 ROBLIN BLVD WINNIPEG, MB.
PREPARED FOR:	DANIEL SERHAL WINNIPEG, MB.
PREPARED BY:	FLEAWOOD TREE WORKS 83 LARCHDALE CR. WINNIPEG, MB.
ISA CERTIFIED ARBORIST®:	COREY DOUCETTE 204.230.2099 COREY@FLEAWOOD.CA
ISA CERTIFICATION ID #:	PR-5491A
INSPECTION DATE:	21-AUG-23
REPORT DATE:	1-NOV-23

fleawood

INTRODUCTION

FLEAWOOD TREE WORKS (ISA CERTIFIED ARBORIST®), WAS HIRED BY DANNY SERHAL TO COMPLETE AN ARBORIST TREE PRESERVATION REPORT AND PROTECTION PLAN FOR THE DEVELOPMENT SITE AT 4025 ROBLIN BLVD. A TREE INVENTORY REPORT WAS COMPLETED TO INFORM THE CLIENT OF THE EXISTING SPECIES, SIZE AND CONDITION OF THE TREES ON THE SITE. THE REPORT ALSO PROVIDES PRELIMINARY TREE PRESERVATION RECOMMENDATIONS.

METHOD

1. FLEAWOOD TREE WORKS CONDUCTED A SITE INSPECTION AND TREE ASSESSMENT ON AUGUST 7, 2023.
2. TRUNK DIAMETER WAS MEASURED USING A CALIBRATED DIAMETER TAPE. THE MEASUREMENT WAS TAKEN AT 1.4 METERS ABOVE GROUND LEVEL, GENERALLY REFERRED TO AS THE DIAMETER AT BREAST HEIGHT (DBH).
3. TREES WERE ASSESSED BY VISUAL INSPECTION FROM THE GROUND. TREES WERE EVALUATED IN CONSIDERATION OF OVERALL HEALTH AND STRUCTURAL INTEGRITY AND ASSIGNED A CONDITION RATING RANGING FROM GOOD TO FAIR TO POOR.
4. TREES INCLUDED IN THIS ASSESSMENT WERE FLAGGED ON SITE FOR THE CLIENT / SURVEYORS REFERENCE

TREE PROTECTION AND REMOVAL PLAN

The construction related activities may affect the following trees (Refer to Appendix I)*:

TREE ID NO.	PARCEL / OWNERSHIP	ACTION/NOTES
1 - 32, 38, 47, 52-54, 56-67, 69-71, 73, 79-84, 88-92, 94-99, 101-109, 111-113, 115, 117, 120-131, 136, 139, 143, 145, 148-150, 178-182	• 4025 ROBLIN BLVD CLIENT-OWNED TREES (PRIVATE)	REMOVAL RECOMMENDED. TREES ARE IN POOR / DEAD CONDITION AND / OR FALL WITHIN PROPOSED BUILDING FOOTPRINT OR HARDSCAPINING.
33-37, 39-46, 48-51, 55-68, 72, 74-78, 85-86, 93, 100, 110, 114, 116, 118-119, 132-135, 137-138, 140-142, 144, 146-147, 151-177, 183	• 4025 ROBLIN BLVD CLIENT-OWNED TREES (PRIVATE)	TREES PROTECTION RECOMMENDED. TREES ARE IN GOOD / FAIR CONDITION AND FALL OUTSIDE OF PROPOSED DEVELOPMENT FOOTPRINT.
	• CITY OWNED TREES (PUBLIC)	REFER TO CITY GUIDELINES FOR TREE PROTECTION OF PUBLIC TREES OUTSIDE THE DEVELOPMENT AREA OR WITHIN ANY PLANNED APPROACHES.

TREE-BY-TREE INVENTORY

1. TREE-BY-TREE INVENTORY AND CONDITION RATINGS (PLEASE REFER TO SITE MAP IN APPENDIX I). ALL MEASUREMENTS NOTED ARE RADIUSES FROM CENTER OF TREE.
2. 'VOLUNTEER' TREES < 6 CM DBH ARE NOT INCLUDED IN THIS INVENTORY. SHRUBS NOT INCLUDED IN THIS INVENTORY.

PARCEL: 4025 ROBLIN BLVD									
TREE NO.	COMMON NAME	CONDITION	DBH (CM)	SRZ (FT)	CRZ (FT)	TPZ	MPA (FT)	SUITABILITY	NOTES
1	BUR OAK	DEAD	48	9	24	-	12	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
2	BUR OAK	FAIR	21	4	10	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
3	BUR OAK	FAIR	41	7	20	-	12	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
4	BUR OAK	DEAD	31/23	8	22	-	12	• UNSUITABLE	MULTI-STEM (2), TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
5	BUR OAK	DEAD	21	4	10	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
6	AMERICAN ELM	GOOD	49/18	10	27	-	14	• UNSUITABLE	MULTI-STEM (2), TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
7	BUR OAK	FAIR	45/41	12	32	-	16	• UNSUITABLE	MULTI-STEM (2), TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
8	POPLAR	GOOD	17	3	8	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
9	POPLAR	GOOD	26	5	13	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
10	POPLAR	GOOD	23	4	11	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
11	AMERICAN ELM	GOOD	23	4	11	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
12	POPLAR	GOOD	27	5	13	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
13	BUR OAK	FAIR	24	4	12	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
14	BUR OAK	FAIR	34	6	17	-	10	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
15	BUR OAK	FAIR	40/40/34	9	25	-	12	• UNSUITABLE	MULTI-STEM (3), TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
16	BUR OAK	FAIR	31	5	15	-	10	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
17	BUR OAK	POOR	29/18	6	17	-	10	• UNSUITABLE	MULTI-STEM (2), TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
18	BUR OAK	FAIR	20	4	10	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
19	BUR OAK	FAIR	35/25	8	22	-	12	• UNSUITABLE	MULTI-STEM (2), TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
20	GREEN ASH	FAIR	31	5	15	-	10	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
21	POPLAR	GOOD	19	3	9	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
22	POPLAR	GOOD	21	4	10	-	8	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF EXCAVATION; REMOVE
23	POPLAR	GOOD	23	4	11	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
24	POPLAR	GOOD	24	4	12	-	8	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF EXCAVATION; REMOVE
25	POPLAR	GOOD	21	4	10	-	8	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF EXCAVATION; REMOVE
26	POPLAR	FAIR	16	3	8	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
27	POPLAR	GOOD	18	3	9	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
28	POPLAR	GOOD	18	3	9	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE

GLOSSARY OF TERMS

DBH: TRUNK DIAMETER AT BREAST HEIGHT

DIAMETER AT BREAST HEIGHT, OR DBH, IS A STANDARD METHOD OF EXPRESSING THE DIAMETER (1.3M ABOVE GRADE) OF THE TRUNK OF A STANDING TREE.

SRZ: STRUCTURAL ROOT ZONE (ROOT PLATE)

THE WOODY ROOTS, VISIBLE FROM THE TRUNK, ALSO KNOWN AS THE ROOT PLATE. THESE ROOTS ANCHOR THE TREE AND CREATE STABILITY. DAMAGE TO THESE ROOTS LEAD TO CATASTROPHIC FAILURE OF THE TREE.

CRZ: CRITICAL ROOT ZONE

ZONE IN WHICH THE FIBROUS ROOTS, JUST BELOW THE SURFACE, SPREAD TO. OFTEN TIMES CAN EXTEND TWO TO THREE TIMES PAST THE EXTENT OF THE CANOPY.

RPZ: ROOT PROTECTION ZONE

THE ECOLOGICAL ROOT PRINT AREA IN AN UNCONSTRAINED LANDSCAPED SETTING. LIMITED DISTANCE TO ENCHROACHMENT UNDER IDEAL CIRCUMSTANCES.

TPZ: TREE PROTECTION ZONE

THE ZONE IN WHICH NO CONSTRUCTION RELATED ACTIVITY SHOULD TAKE PLACE - THESE ZONES CAN INCLUDE INDIVIDUAL TREES, OR MULTIPLE TREES.

MPA: MINIMUM PROTECTION AREA

THE OUTER LIMIT OF THE TREE PROTECTION ZONE WHERE TREE PROTECTION BARRIERS ARE TO BE PLACED.

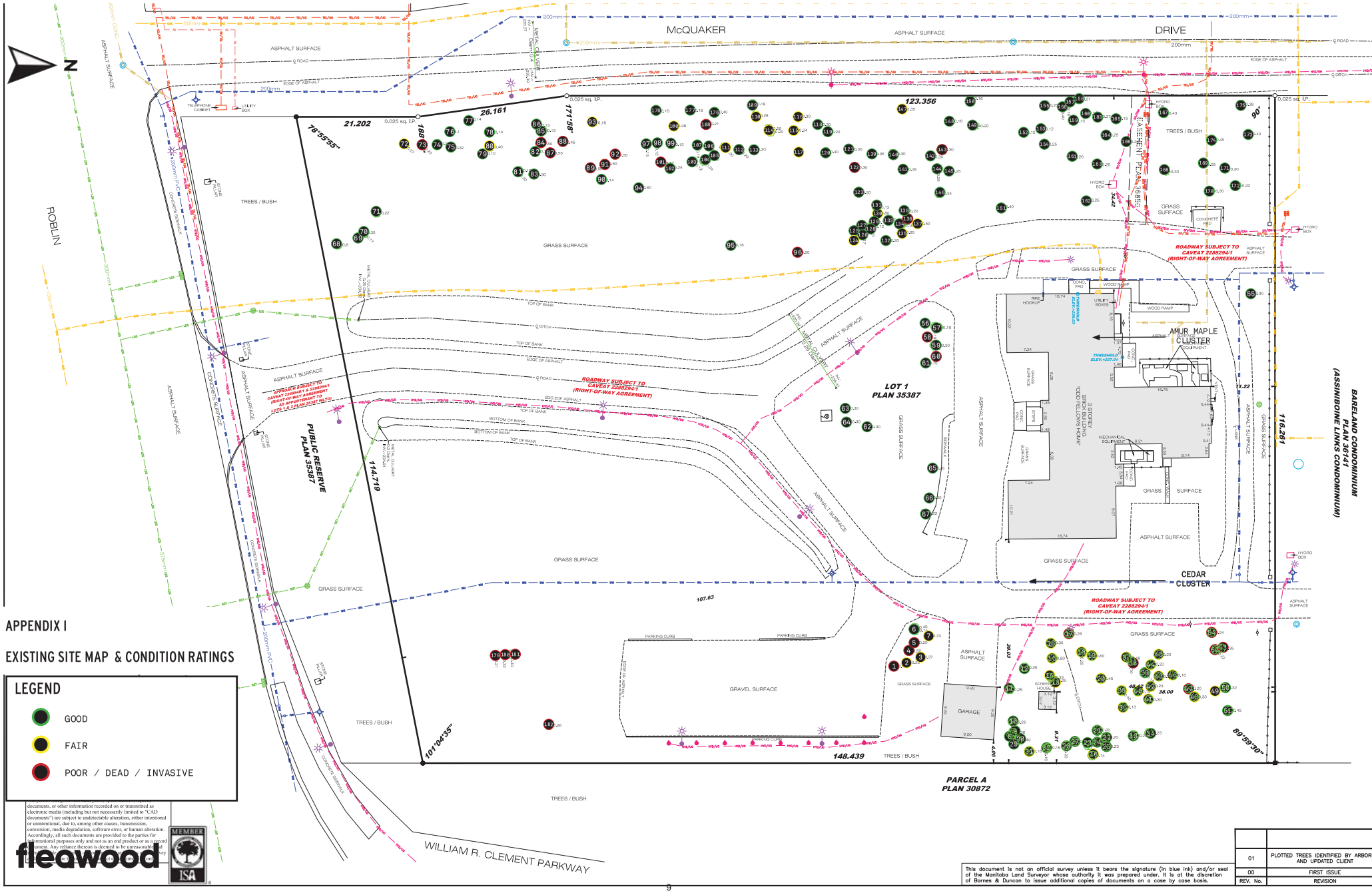
TREE NO.	COMMON NAME	CONDITION	DBH (CM)	SRZ (FT)	CRZ (FT)	TPZ	MPA (FT)	SUITABILITY	NOTES / RECOMMENDED ACTION
29	POPLAR	GOOD	22	4	11	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
30	POPLAR	GOOD	17/16	4	12	-	8	• UNSUITABLE	MULTI-STEM (2), TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
31	POPLAR	FAIR	17	3	8	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
32	POPLAR	GOOD	24/20	5	15	-	8	• UNSUITABLE	MULTI-STEM (2), TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
33	POPLAR	GOOD	20	4	10	D	8	• SUITABLE	RETAIN
34	POPLAR	GOOD	24	4	12	D	8	• SUITABLE	RETAIN
35	POPLAR	FAIR	13	2	6	D	8	• SUITABLE	RETAIN
36	BUR OAK	FAIR	45	8	22	D	12	• SUITABLE	RETAIN
37	POPLAR	FAIR	17	3	8	D	8	• SUITABLE	MULTI-STEM (2), RETAIN
38	GREEN ASH	POOR	45	8	22	-	12	• UNSUITABLE	HEAVY CROWN COMPETITION; REMOVE (CONDITION)
39	POPLAR	GOOD	14	2	7	D	8	• SUITABLE	RETAIN
40	POPLAR	FAIR	12	2	6	D	8	• SUITABLE	RETAIN
41	BUR OAK	FAIR	32	6	16	D	10	• SUITABLE	RETAIN
42	BUR OAK	FAIR	24	4	12	D	8	• SUITABLE	MULTI-STEM (2); RETAIN
43	BUR OAK	FAIR	39	7	19	D	10	• SUITABLE	RETAIN
44	BUR OAK	FAIR	20	4	10	D	8	• SUITABLE	MULTI-STEM (2); RETAIN
45	BUR OAK	FAIR	24	4	12	D	8	• SUITABLE	ANIMAL DAMAGE TO BARK AT BASE OF TREEL RETAIN
46	BUR OAK	FAIR	16	3	8	D	8	• SUITABLE	RETAIN
47	GREEN ASH	POOR	23	4	11	-	8	• UNSUITABLE	MULTI-STEM (2), REMOVE (CONDITION)
48	GREEN ASH	FAIR	33	6	16	D	10	• SUITABLE	RETAIN
49	BUR OAK	FAIR	35	6	17	D	10	• SUITABLE	RETAIN
50	GREEN ASH	GOOD	37	7	18	D	10	• SUITABLE	RETAIN
51	BUR OAK	GOOD	46	8	23	D	12	• SUITABLE	MULTI-STEM (3); RETAIN
52	BUR OAK	POOR	22	4	11	-	8	• UNSUITABLE	MULTI-STEM (3), REMOVE (CONDITION)
53	BUR OAK	POOR	38	7	19	-	10	• UNSUITABLE	REMOVE (CONDITION)
54	BUR OAK	POOR	25	4	12	-	8	• UNSUITABLE	REMOVE (CONDITION)
55	BUR OAK	GOOD	20-25	8	23	-	8	• SUITABLE	MULTI-STEM (8); RETAIN. PROTECT
56	AMERICAN ELM	GOOD	18	3	9	-	8	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF PROPOSED PARK AREA
57	AMERICAN ELM	GOOD	17	3	8	-	8	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF PROPOSED PARK AREA
58	AMERICAN ELM	POOR	-	-	-	-	-	• UNSUITABLE	DUTCH ELM DISEASE. MARKED BY C.O.W. FOR REMOVAL
59	GREEN ASH	GOOD	29/28	6	17	-	10	• UNSUITABLE	MULTI-STEM (2), TREE IS IN CONFLICT W PROPOSED PARKING AREA
60	AMERICAN ELM	POOR	-	-	-	-	-	• UNSUITABLE	DUTCH ELM DISEASE. MARKED BY C.O.W. FOR REMOVAL,
61	POPLAR	GOOD	62	9	26	-	14	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED PARKING AREA
62	MANITOBA MAPLE	GOOD	53	6	17	-	10	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED PARKING AREA
63	SPRUCE	GOOD	35	7	19	-	10	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED PARKADE RAMP

TREE NO.	COMMON NAME	CONDITION	DBH (CM)	SRZ (FT)	CRZ (FT)	TPZ	MPA (FT)	SUITABILITY	NOTES
64	SPRUCE	GOOD	38	7	19	-	10	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED PARKADE
65	AMERICAN ELM	GOOD	28/26	7	20	-	10	• UNSUITABLE	MULTI-STEM (2); TREE IS IN CONFLICT W PROPOSED PARKING AREA; REMOVE
66	GREEN ASH	FAIR	40	7	20	-	10	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED PARKING AREA; REMOVE
67	GREEN ASH	GOOD	22	4	11	-	8	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF PROPOSED PARKING AREA; REMOVE
68	AMERICAN ELM	GOOD	35/31	8	22	-	12	• SUITABLE	MULTI-STEM (2); RETAIN. PROTECT INDIVIDUALLY
69	GREEN ASH	GOOD	17	3	8	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
70	GREEN ASH	GOOD	17/15	4	12	-	8	• UNSUITABLE	MULTI-STEM (2), TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
71	AMERICAN ELM	GOOD	17	3	8	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
72	GREEN ASH	FAIR	30	5	15	A	8	• SUITABLE	RETAIN
73	GREEN ASH	POOR	25	4	12	-	8	• UNSUITABLE	REMOVE (CONDITION)
74	GREEN ASH	GOOD	30	5	15	A	8	• SUITABLE	RETAIN
75	POPLAR	GOOD	34	6	17	A	10	• SUITABLE	RETAIN
76	SPRUCE	GOOD	16	3	8	A	8	• SUITABLE	RETAIN
77	SPRUCE	GOOD	16	3	8	A	8	• SUITABLE	RETAIN
78	SPRUCE	GOOD	15	3	7	A	8	• SUITABLE	RETAIN
79	BUR OAK	GOOD	7	1	3	-	6	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF TOWNHOME PARKING EXCAVATION AREA; REMOVE
80	POPLAR	FAIR	44	8	22	-	12	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF TOWNHOME PARKING EXCAVATION AREA; REMOVE
81	GREEN ASH	GOOD	20/8	4	12	-	8	• UNSUITABLE	MULTI-STEM (2)
82	BUR OAK	GOOD	12	2	6	-	8	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF TOWNHOME EXCAVATION AREA; REMOVE
83	GREEN ASH	GOOD	29	5	14	-	8	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF PROPOSED TOWNHOME; REMOVE
84	POPLAR	POOR	56	10	28	-	14	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF PROPOSED TOWNHOME; REMOVE
85	BUR OAK	GOOD	10	2	5	A	6	• SUITABLE	RETAIN
86	BUR OAK	GOOD	14	2	7	A	8	• SUITABLE	RETAIN
87	POPLAR	POOR	60	11	30	-	14	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF PROPOSED TOWNHOME; REMOVE
88	POPLAR	DEAD	50	9	25	-	12	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF PROPOSED TOWNHOME; REMOVE
89	POPLAR	POOR	53	9	26	-	14	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF PROPOSED TOWNHOME; REMOVE
90	POPLAR	GOOD	11	2	5	-	8	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF PROPOSED TOWNHOME; REMOVE
91	POPLAR	POOR	57	10	28	-	14	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF PROPOSED TOWNHOME; REMOVE
92	POPLAR	POOR	54	10	27	-	14	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF PROPOSED TOWNHOME; REMOVE
93	POPLAR	FAIR	60	3	8	-	8	• SUITABLE	RETAIN

TREE NO.	COMMON NAME	CONDITION	DBH (CM)	SRZ (FT)	CRZ (FT)	TPZ	MPA (FT)	SUITABILITY	NOTES
94	AMERICAN ELM	GOOD	70	12	34	-	16	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF PROPOSED TOWNHOME; REMOVE
95	GREEN ASH	GOOD	16	3	8	-	8	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF PROPOSED TOWNHOME PARKING AREA; REMOVE
96	APPLE	POOR	22	4	11	-	8	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF PROPOSED TOWNHOME PARKING AREA; REMOVE
97	GREEN ASH	GOOD	12	2	6	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
98	BUR OAK	GOOD	8	1	4	-	6	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
99	GREEN ASH	GOOD	8	1	4	-	6	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
100	POPLAR	FAIR	39	7	19	-	10	• SUITABLE	RETAIN; TREE IS IN EARLY STAGES OF DECLINE.
101	BUCKTHORN	GOOD	39	7	19	-	10	• UNSUITABLE	INVASIVE SPECIES; REMOVE
102	POPLAR	GOOD	25	4	12	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
103	BUR OAK	GOOD	9	2	4	-	6	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
104	AMERICAN ELM	GOOD	26	5	13	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
105	AMERICAN ELM	FAIR	19	3	9	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
106	GREEN ASH	GOOD	35	6	17	-	10	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
107	GREEN ASH	GOOD	18	3	9	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
108	POPLAR	DEAD	23	4	11	-	8	• UNSUITABLE	REMOVE (CONDITION)
109	BUR OAK	GOOD	19	3	9	-	8	• SUITABLE	RETAIN
110	BUR OAK	FAIR	30	5	15	-	8	• SUITABLE	RETAIN
111	GREEN ASH	FAIR	27	5	13	-	8	• UNSUITABLE	RETAIN, 30% OF ROOT ZONE IMPACTED BY PROPOSED EXCAVATION AREA AND ADJACENT WALKWAY
112	GREEN ASH	GOOD	20	4	10	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
113	GREEN ASH	GOOD	16/13/11	4	12	-	8	• UNSUITABLE	MULTI-STEM (3), TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
114	BUR OAK	FAIR	36/18	8	23	-	12	• SUITABLE	MULTI-STEM (2), RETAIN, 30% OF ROOT ZONE IMPACTED BY PROPOSED EXCAVATION AREA AND ADJACENT WALKWAY; RETAIN
115	BUR OAK	FAIR	20	4	10	-	8	• UNSUITABLE	70% OF ROOT ZONE IMPACTED BY PROPOSED EXCAVATION AREA AND ADJACENT WALKWAY; REMOVE
116	BUR OAK	FAIR	26	5	13	-	8	• SUITABLE	20% OF ROOT ZONE IMPACTED BY PROPOSED EXCAVATION AREA AND ADJACENT WALKWAY; RETAIN
117	GREEN ASH	FAIR	32	6	16	-	10	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
118	BUR OAK	GOOD	33	6	16	-	10	• SUITABLE	RETAIN
119	BUR OAK	GOOD	21	4	10	-	8	• SUITABLE	RETAIN
120	BUR OAK	GOOD	43	8	21	-	12	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE

TREE NO.	COMMON NAME	CONDITION	DBH (CM)	SRZ (FT)	CRZ (FT)	TPZ	MPA (FT)	SUITABILITY	NOTES
121	BUR OAK	GOOD	35	6	17	-	10	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
122	BUR OAK	POOR	30	5	15	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
123	AMERICAN ELM	GOOD	20	4	10	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME; REMOVE
124	GREEN ASH	FAIR	40	7	20	-	10	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME PARKING AREA; REMOVE
125	AMERICAN ELM	GOOD	16	3	8	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME PARKING AREA; REMOVE
126	AMERICAN ELM	GOOD	20	4	10	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME PARKING AREA; REMOVE
127	AMERICAN ELM	GOOD	9	2	4	-	6	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED TOWNHOME PARKING AREA; REMOVE
128	AMERICAN ELM	GOOD	10	2	5	-	6	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF EXCAVATION OF PROPOSED TOWNHOME; REMOVE
129	AMERICAN ELM	GOOD	6	1	3	-	6	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF EXCAVATION OF PROPOSED TOWNHOME; REMOVE
130	POPLAR	FAIR	76	13	37	-	18	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF EXCAVATION OF PROPOSED TOWNHOME; REMOVE
131	AMERICAN ELM	GOOD	12	2	6	-	8	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF EXCAVATION OF PROPOSED TOWNHOME; REMOVE
132	AMERICAN ELM	GOOD	23	4	11	B	8	• SUITABLE	RETAIN
133	AMERICAN ELM	GOOD	10	2	5	B	6	• SUITABLE	RETAIN
134	AMERICAN ELM	GOOD	12	2	6	B	8	• SUITABLE	RETAIN
135	POPLAR	FAIR	73	13	36	-	18	• SUITABLE	RETAIN
136	POPLAR	POOR	55	10	27	-	14	• UNSUITABLE	REMOVE (CONDITION)
137	POPLAR	FAIR	55	10	27	B	14	• SUITABLE	RETAIN
138	AMERICAN ELM	GOOD	18	3	9	B	8	• SUITABLE	RETAIN
139	BUR OAK	GOOD	29	5	14	-	8	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF EXCAVATION OF PROPOSED TOWNHOME; REMOVE
140	BUR OAK	GOOD	34	6	17	B	10	• SUITABLE	RETAIN
141	BUR OAK	GOOD	39	7	19	B	10	• SUITABLE	RETAIN
142	BUR OAK	GOOD	31	5	15	B	10	• SUITABLE	RETAIN
143	BUR OAK	POOR	38	7	19	-	10	• UNSUITABLE	REMOVE (CONDITION)
144	BUR OAK	GOOD	27	5	13	B	8	• SUITABLE	RETAIN
145	BUR OAK	GOOD	27	5	13	-	8	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF PROPOSED APPROACH; REMOVE
146	BUR OAK	GOOD	26	5	13	B	8	• SUITABLE	RETAIN
147	GREEN ASH	FAIR	34/34	9	25	B	14	• SUITABLE	MULTI-STEM (2); RETAIN
148	SPRUCE	GOOD	15	3	7	-	8	• UNSUITABLE	TREE IS IN CONFLICT W EDGE OF PROPOSED APPROACH; REMOVE
149	SPRUCE	GOOD	20	4	10	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED APPROACH; REMOVE
150	SPRUCE	GOOD	8	1	4	-	6	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED APPROACH; REMOVE

TREE NO.	COMMON NAME	CONDITION	DBH (CM)	SRZ (FT)	CRZ (FT)	TPZ	MPA (FT)	SUITABILITY	NOTES
151	SPRUCE	GOOD	36	6	18	C	10	• SUITABLE	20% OF ROOT ZONE IMPACTED BY PROPOSED APPROACH; RETAIN
152	SPRUCE	GOOD	28	5	14	C	8	• SUITABLE	RETAIN
153	SPRUCE	GOOD	10	2	5	C	6	• SUITABLE	RETAIN
154	BUR OAK	GOOD	28	5	14	C	8	• SUITABLE	RETAIN
155	BUR OAK	GOOD	26	5	13	C	8	• SUITABLE	RETAIN
156	BUR OAK	GOOD	43	8	21	C	12	• SUITABLE	RETAIN
157	BUR OAK	GOOD	17	3	8	C	8	• SUITABLE	RETAIN
158	BUR OAK	GOOD	23	4	11	C	8	• SUITABLE	RETAIN
159	SPRUCE	GOOD	12	2	6	C	8	• SUITABLE	RETAIN
160	SPRUCE	GOOD	10	2	5	C	6	• SUITABLE	RETAIN
161	SPRUCE	GOOD	20	4	10	C	8	• SUITABLE	RETAIN
162	SPRUCE	GOOD	32	6	16	C	10	• SUITABLE	RETAIN
163	BUR OAK	GOOD	29	5	14	C	8	• SUITABLE	RETAIN
164	BUR OAK	GOOD	29	5	14	C	8	• SUITABLE	RETAIN
165	SPRUCE	GOOD	11	2	5	C	8	• SUITABLE	RETAIN
166	SPRUCE	GOOD	20	4	10	C	8	• SUITABLE	RETAIN
167	BUR OAK	GOOD	50	9	25	C	12	• SUITABLE	RETAIN
168	SPRUCE	GOOD	28	5	14	C	8	• SUITABLE	RETAIN
169	SPRUCE	GOOD	21	4	10	C	8	• SUITABLE	RETAIN
170	SPRUCE	GOOD	23	4	11	C	8	• SUITABLE	RETAIN
171	SPRUCE	GOOD	24	4	12	C	8	• SUITABLE	RETAIN
172	SPRUCE	GOOD	30	5	15	C	8	• SUITABLE	RETAIN
173	BUR OAK	GOOD	45	8	22	C	12	• SUITABLE	RETAIN
174	BUR OAK	GOOD	44	8	22	C	12	• SUITABLE	RETAIN
175	BUR OAK	GOOD	50	9	25	C	12	• SUITABLE	RETAIN
176	BUR OAK	GOOD	41	7	20	-	12	• SUITABLE	RETAIN
177	SPRUCE	GOOD	18	3	9	-	8	• SUITABLE	RETAIN
178	SPRUCE	GOOD	18	3	9	-	8	• UNSUITABLE	TREE IS IN CONFLCT W EDGE OF PROPOSED TOWNHOME WALKWAY; REMOVE
179	AMERICAN ELM	GOOD	24	4	12	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
180	AMERICAN ELM	GOOD	38	7	19	-	10	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
181	AMERICAN ELM	GOOD	29/28	8	21	-	12	• UNSUITABLE	MULTI-STEM (2), TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
182	AMERICAN ELM	GOOD	28	5	14	-	8	• UNSUITABLE	TREE IS IN CONFLICT W PROPOSED MFR; REMOVE
183	BUR OAK	GOOD	24	4	12	C	8	• SUITABLE	RETAIN



APPENDIX I

EXISTING SITE MAP & CONDITION RATINGS

LEGEND

- GOOD
- FAIR
- POOR / DEAD / INVASIVE

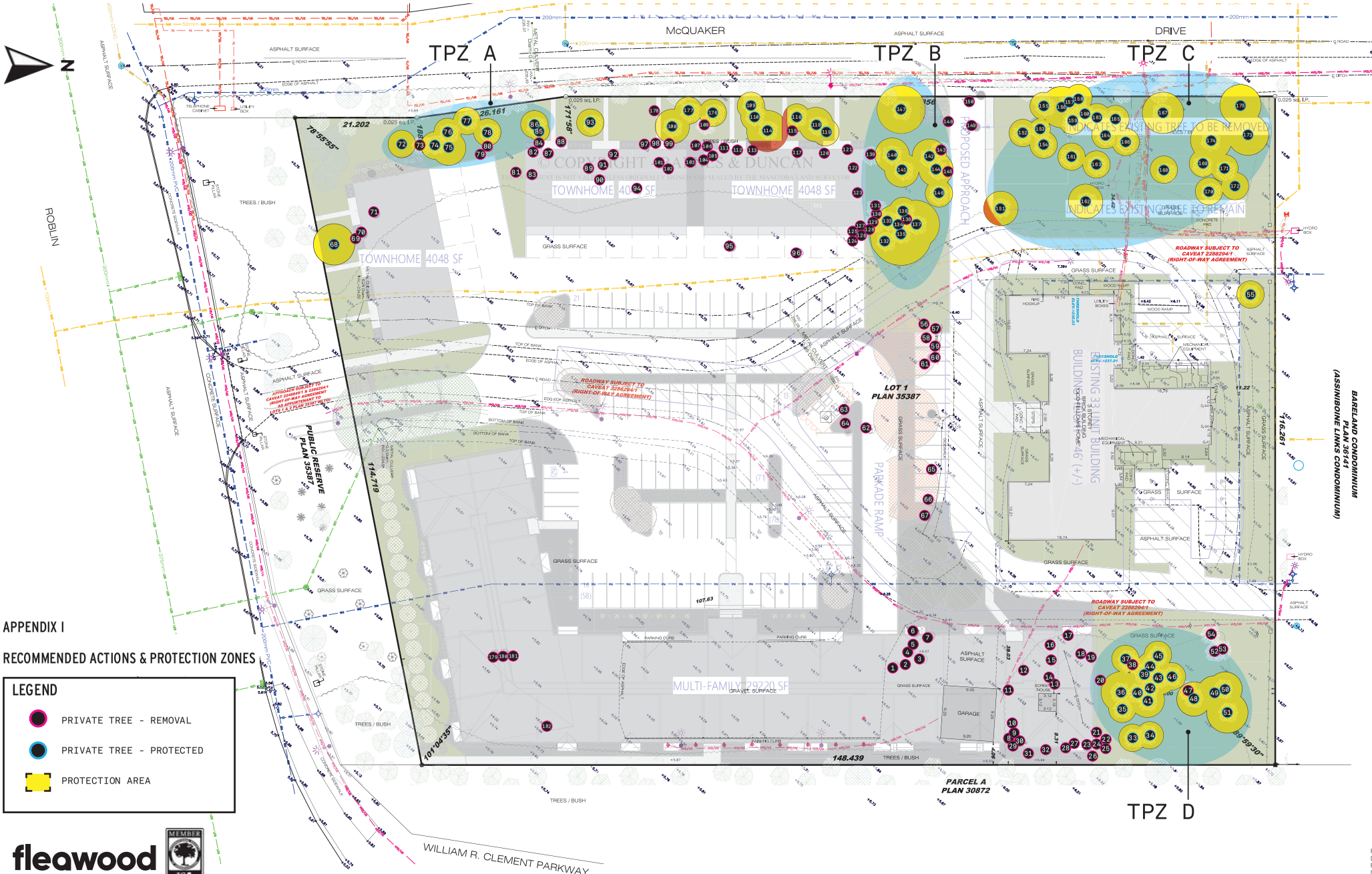
documents, or other information recorded on or transmitted as electronic media (including but not necessarily limited to "CAD documents") are subject to undetectable alteration, either intentional or unintentional, due to, among other causes, transmission, conversion, media degradation, software error, or human alteration. Accordingly, all such documents are provided to the parties for informational purposes only and not as an end product or as a record document. Any reliance thereon is deemed to be unreasonable.

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MEMBER ISA

This document is not an official survey unless it bears the signature (in blue ink) and/or seal of the Manitoba Land Surveyor whose authority it was prepared under. It is at the discretion of Barnes & Duncan to issue additional copies of documents on a case by case basis.

REV. No.	REVISION
01	PLOTTED TREES IDENTIFIED BY ARBOR AND UPDATED CLIENT
00	FIRST ISSUE



APPENDIX I

RECOMMENDED ACTIONS & PROTECTION ZONES

LEGEND

- PRIVATE TREE - REMOVAL
- PRIVATE TREE - PROTECTED
- PROTECTION AREA

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TREE PROTECTION - SPECIFIC RECOMMENDATIONS

TREE PROTECTION ZONE A TREES 72, 74-78, 85-86:

THESE TREES ARE PRIVATE, CLIENT OWNED TREES, IN FAIR TO GOOD CONDITION AND SHOULD BE PROTECTED. DETERMINE THE MINIMUM AMOUNT OF ROOM NEEDED FOR CONSTRUCTION PURPOSES, AND PROVIDE A BARRIER OUTSIDE OF THESE CONSTRUCTION ZONES TO MAXIMIZE THE TPZ, WHERE NO CONSTRUCTION ACTIVITY SHOULD OCCUR. THE BARRIER MAY CONSIST OF 6' TEMPORARY CONSTRUCTION FENCING. MINIMISING THE ALTERATION OF EXISTING GRADE WILL PROTECT AGAINST DAMAGE TO THE ROOT SYSTEM. ANY TREE CANOPY OVERHANGING THE PROPOSED BUILDING SHOULD BE CONSIDERED AHEAD OF TIME AND PRUNED BY AN ARBORIST PRIOR TO VERTICAL FRAMING, IF IT IMPOSES ON THE STRUCTURE.

TREE PROTECTION ZONE B TREES 132-134, 137-138, 140-142, 144, 146-147:

THESE TREES ARE PRIVATE, CLIENT OWNED TREES, IN FAIR TO GOOD CONDITION AND SHOULD BE PROTECTED. DETERMINE THE MINIMUM AMOUNT OF ROOM NEEDED FOR CONSTRUCTION PURPOSES, AND PROVIDE A BARRIER OUTSIDE OF THESE CONSTRUCTION ZONES TO MAXIMIZE THE TPZ, WHERE NO CONSTRUCTION ACTIVITY SHOULD OCCUR. THE BARRIER MAY CONSIST OF 6' TEMPORARY CONSTRUCTION FENCING. MINIMISING THE ALTERATION OF EXISTING GRADE WILL PROTECT AGAINST DAMAGE TO THE ROOT SYSTEM. ANY TREE CANOPY OVERHANGING THE PROPOSED BUILDING SHOULD BE CONSIDERED AHEAD OF TIME AND PRUNED BY AN ARBORIST PRIOR TO VERTICAL FRAMING, IF IT IMPOSES ON THE STRUCTURE.

TREE PROTECTION ZONE C TREES 151-175, 183:

THESE TREES ARE PRIVATE, CLIENT OWNED TREES, IN FAIR TO GOOD CONDITION AND SHOULD BE PROTECTED. DETERMINE THE MINIMUM AMOUNT OF ROOM NEEDED FOR CONSTRUCTION PURPOSES, AND PROVIDE A BARRIER OUTSIDE OF THESE CONSTRUCTION ZONES TO MAXIMIZE THE TPZ, WHERE NO CONSTRUCTION ACTIVITY SHOULD OCCUR. THE BARRIER MAY CONSIST OF 6' TEMPORARY CONSTRUCTION FENCING. MINIMISING THE ALTERATION OF EXISTING GRADE WILL PROTECT AGAINST DAMAGE TO THE ROOT SYSTEM. ANY TREE CANOPY OVERHANGING THE PROPOSED BUILDING SHOULD BE CONSIDERED AHEAD OF TIME AND PRUNED BY AN ARBORIST PRIOR TO VERTICAL FRAMING, IF IT IMPOSES ON THE STRUCTURE.

TREE PROTECTION ZONE D TREES 33-37, 39-46, 48-51:

THESE TREES ARE PRIVATE, CLIENT OWNED TREES, IN FAIR TO GOOD CONDITION AND SHOULD BE PROTECTED. DETERMINE THE MINIMUM AMOUNT OF ROOM NEEDED FOR CONSTRUCTION PURPOSES, AND PROVIDE A BARRIER OUTSIDE OF THESE CONSTRUCTION ZONES TO MAXIMIZE THE TPZ, WHERE NO CONSTRUCTION ACTIVITY SHOULD OCCUR. THE BARRIER MAY CONSIST OF 6' TEMPORARY CONSTRUCTION FENCING. MINIMISING THE ALTERATION OF EXISTING GRADE WILL PROTECT AGAINST DAMAGE TO THE ROOT SYSTEM. ANY TREE CANOPY OVERHANGING THE PROPOSED BUILDING SHOULD BE CONSIDERED AHEAD OF TIME AND PRUNED BY AN ARBORIST PRIOR TO VERTICAL FRAMING, IF IT IMPOSES ON THE STRUCTURE.

TREES NOT INCLUDED IN THE PROTECTION ZONES SHOULD BE PROTECTED INDIVIDUALLY BY PROVIDING A BARRIER OUTSIDE THE MINIMUM PROTECTION AREA. IF WORK DOES OCCUR INSIDE THE TREE PROTECTION ZONE, TAKE MEASURES TO REDUCE SOIL COMPACTION AND TAKE MEASURES TO PROTECT THE TREES FROM MECHANICAL DAMAGE SUCH AS STRAPPING OR OUTFITTING WITH PLYWOOD.

UNSURVEYED TREES

TREES THAT ARE NOT LOCATED ON THE BUILDING LOCATION CERTIFICATE ARE PLOTTED FOR APPROXIMATE LOCATION ONLY. THERE LOCATION AND OWNERSHIP CANNOT BE CONFIRMED WITHOUT BEING SURVEYED. THE PROPERTY OWNER OR PROPERTY DEVELOPER MUST ENSURE OWNERSHIP BASED ON LEGALLY SURVEYED BOUNDARIES.

REMOVAL OF LOGS FROM SITE

FIREWOOD OF ANY SPECIES IS PROHIBITED FROM LEAVING THE CITY OF WINNIPEG. ELM WOOD MAY NOT BE STORED UNLESS IT HAS BEEN DEBARKED, CHIPPED, OR HEAT TREATED. ELM WOOD SHOULD ONLY BE MOVED IF IT IS BEING TAKEN TO A DISPOSAL SITE (USUALLY, THE LOCAL LANDFILL). FOR MORE INFORMATION ON LAWS SURROUNDING FIREWOOD AND TRANSPORTING WOOD PLEASE REFER TO: THE FOREST HEALTH PROTECTION ACT AND REGULATIONS CANADIAN FOOD INSPECTION AGENCY - PLANT PROTECTION ACT: *HTTPS://WEB2.GOV.MB.CA/LAWS/STATUTES/CCSM/F151E.PHP*

TREE PRUNING

HEAVY MACHINERY (EXCAVATORS, CRANES, LOADERS, CONCRETE TRUCKS, DUMP TRUCKS, ETC.) WORKING WITHIN FIVE METERS OF A TREES CANOPY SHOULD BE MADE AWARE OF THEIR PROXIMITY TO THE TREE. PRUNING SHOULD BE PRESCRIBED WHERE THERE ARE CONCERNS RELATED TO CLEARANCE REQUIRED FOR ANY MACHINERY AND WORKERS WITHIN THE TREE PROTECTION ZONE. ANY WOUNDS SHOULD BE MADE KNOWN SO THAT CORRECTIVE ACTION CAN OCCUR AND MITIGATE FUTURE DAMAGE TO THE TREES.

PAVING NEAR TREES

IF THE PROPOSAL INCLUDES PAVED AREAS AND/OR RETAINING WALLS CLOSE TO THE PROPOSED TREE PROTECTION ZONES, MEASUREMENTS SHOULD BE TAKEN TO MINIMIZE THE IMPACT ON THE HEALTH OF THE TREES. THESE TYPES OF CONSTRUCTION CAN REDUCE QUALITY OF AERATION, DRAINAGE, IRRIGATION, AND SOIL VOLUME FOR SUFFICIENT ROOT GROWTH. STEPS THAT CAN BE TAKEN TO MINIMIZE THE IMPACT INCLUDE:

- ANY EXCAVATION NEAR THE TPZ SHOULD BE MONITORED BY AN ARBORIST
- EXCAVATION SHOULD DISTURB AS LITTLE OF THE ROOT ZONE AS POSSIBLE AND ANY ROOTS GREATER THAN 1" IN DIAMATER SHOULD BE HAND PRUNED

PUBLIC TREES

ANY CONSTRUCTION RELATED ACTIVITY OCCURING NEAR THE PUBLIC BOULEVARD TREE MUST ADHERE TO ALL TREE PROTECTION RECOMMENDATIONS AS OUTLINED IN THE TREE PLANTING DETAILS & SPECIFICATIONS DOCUMENT - SECTION 5.0 - TREE PROTECTION DURING CONSTRUCTION: *HTTPS://WINNIPEG.CA/PUBLICWORKS/PARKSOPENSPACE/URBANFORESTRY/PDF/PRINCIPLES_AND_GUIDELINES.PDF*

ANY WORK REQUIRED ON A CITY OWNED TREE REQUIRES THE FOLLOWING FORM TO BE COMPLETED AND SUBMITTED TO THE CITY OF WINNIPEG URBAN FORESTRY BRANCH:

AGREEMENT FOR CONTRACTORS TO PERFORM ARBORICULTURAL SERVICES ON TREES UNDER CONTROL OF THE URBAN FORESTRY BRANCH: *HTTPS://WINNIPEG.CA/PUBLICWORKS/PARKSOPENSPACE/URBANFORESTRY/PDF/AGREEMENT_FOR_CONTRACTORS_AUGUST_2016.PDF*

WATERING OF TREES

IT IS EXTREMELY IMPORTANT TO REGULARLY MONITOR THE SOIL MOISTURE LEVELS WITHIN THE ROOT ZONES OF THE TREES DURING THE MONTHS FROM APRIL TO NOVEMBER, AND TO ENSURE ADEQUATE SUPPLEMENTAL WATERING IS DONE PROMPTLY AS NECESSARY. THE OBJECTIVE OF THE WATERING IS TO PROVIDE THE TREES WITH DEEP, THOROUGH WATERING WHEN RAINFALL IS INSUFFICIENT TO KEEP THE SOIL MOIST 2” BELOW THE SURFACE. IT IS STRONGLY RECOMMENDED THAT AN INDIVIDUAL WHO WILL BE ON-SITE FOR THE DURATION OF THE PROJECT BE ASSIGNED THIS RESPONSIBILITY AND BE GIVEN CLEAR INSTRUCTION ON HOW TO CHECK MOISTURE LEVELS, HOW AND WHERE TO APPLY THE WATER AND HOW MUCH.

FERTILIZATION

DEEP ROOT FERTILIZATION CAN BE COMPLETED TO ENCOURAGE GROWTH AND INCREASE VIGOR. FERTILIZERS SHOULD BE APPLIED IN EARLY SPRING JUST BEFORE GROWTH OCCURS. LATE SUMMER FERTILIZING IS NOT RECOMMENDED, AS IT WILL ENCOURAGE SUCCULENT GROWTH, WHICH WILL BE MORE PRONE TO WINTER INJURY.

CONTACT

FOR ANY QUESTIONS CONCERNING CITY-OWNED TREES, PLEASE CONTACT THE CITY OF WINNIPEG.

FOR ANY QUESTIONS REGARDING THIS REPORT, PLEASE CONTACT:

COREY DOUCETTE

B.ENV.D., ISA CERTIFIED ARBORIST®
CERT ID# PR-5491A

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