ARBORIST REPORT & TREE PROTECTION PLAN

PERTAINING TO:	97-105 ST. ANNE'S RD. WINNIPEG, MB.
PREPARED FOR:	LANDMARK PLANNING & DESIGN 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:	7-JUL-24
REPORT DATE:	24-JUL-24

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INTRODUCTION

FLEAWOOD TREE WORKS (ISA CERTIFIED ARBORIST®), WAS HIRED BY LANDMARK PLANNING & DESIGN INC. TO COMPLETE AN ARBORIST TREE PRESERVATION REPORT AND PROTECTION PLAN FOR THE DEVELOPMENT SITE AT 97-105 ST. ANNE'S RD. 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 JULY 7, 2024.
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. A TREE PROTECTION PLAN WAS CREATED BY ADDING TREE LOCATIONS TO A SITE MAP BASED AND SURVEY AND/OR ARCHITECTURAL DRAWING (PROVIDED BY CLIENT) WITH TREE PROTECTION / REMOVAL COMMENTS.

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
1-29	• 97-105 ST. ANNE'S RD CLIENT-OWNED TREES (PRIVATE)	REMOVAL RECOMMENDED. TREES ARE IN POOR / DEAD CONDITION AND / OR FALL WITHIN PROPOSED BUILDING FOOTPRINT OR HARDSCAPING.
30	• 97-105 ST. ANNE'S RD CLIENT-OWNED TREES (PRIVATE)	TREES PROTECTION RECOMMENDED. TREES ARE IN GOOD / FAIR CONDITION AND FALL OUTSIDE OF PROPOSED DEVELOPMENT FOOTPRINT.
31-35	• CITY OWNED TREES (PUBLIC)	REFER TO CITY GUIDELINES FOR TREE PROTECTION OF PUBLIC TREES OUTSIDE THE DEVELOPMENT AREA OR WITHIN ANY PLANNED APPROACHES. SEE PAGE 7 FOR MORE INFORMATION.

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: 3707 ROBLIN BLVD									
TREE NO.	COMMON NAME	CONDITION	DBH (CM)	SRZ (FT)	CRZ (FT)	TPZ	MPA (FT)	SUITABILITY	NOTES
1	SIBERIAN ELM	POOR	6	1	3	-	-	• UNSUITABLE	SEVERAL SIBERIAN ELM VOLUNTEERS GROWING IN CHAINLINK FENCEM HEDGE LINE
2	SIBERIAN ELM	FAIR	11	2	5	-	8	• UNSUITABLE	
3	SIBERIAN ELM	FAIR	8/7	3	7	-	8	• UNSUITABLE	MULTI-STEM (2)
4	SIBERIAN ELM	FAIR	11	2	5	-	8	• UNSUITABLE	
5	SIBERIAN ELM	FAIR	6	1	3	-	6	• UNSUITABLE	
6	SIBERIAN ELM	FAIR	10	2	5	-	6	• UNSUITABLE	
7	GREEN ASH	GOOD	77	14	38	-	18	• UNSUITABLE	
8	CEDAR	FAIR	6	1	3	-	6	• UNSUITABLE	
9	CEDAR	FAIR	5	1	2	-	6	• UNSUITABLE	
10	CEDAR	FAIR	5	1	2	-	6	• UNSUITABLE	
11	SIBERIAN ELM	GOOD	21	4	10	-	8	• UNSUITABLE	
12	CEDAR	FAIR	7/9	3	8	-	8	• UNSUITABLE	MULTI-STEM (2)
13	CEDAR	FAIR	7/5	2	6	-	8	• UNSUITABLE	MULTI-STEM (2)
14	AMERICAN ELM	GOOD	30/26/26	9	25	-	12	• UNSUITABLE	MULTI-STEM (3), GROWING INTO HYDRO WIRES
15	MANITOBA MAPLE	POOR	19	3	9	-	-	• UNSUITABLE	MAIN LEADER BROKEN, BELOW HYDRO WIRES
16	GREEN ASH	POOR	12	2	6	-	-	• UNSUITABLE	50% DEAD
17	SIBERIAN ELM	GOOD	32/20	9	26	-	14	• UNSUITABLE	MULTI-STEM (2)
18	SIBERIAN ELM	GOOD	54	10	27	-	14	• UNSUITABLE	
19	SIBERIAN ELM	GOOD	52	9	26	-	14	• UNSUITABLE	
20	MANITOBA MAPLE	GOOD	6	1	3	-	6	• UNSUITABLE	
21	SIBERIAN ELM	GOOD	8	1	4	-	6	• UNSUITABLE	
22	SIBERIAN ELM	GOOD	9	2	4	-	6	• UNSUITABLE	
23	SIBERIAN ELM	GOOD	8	1	4	-	6	• UNSUITABLE	
24	MANITOBA MAPLE	GOOD	9	2	4	-	6	• UNSUITABLE	
25	MANITOBA MAPLE	GOOD	15	3	7	-	8	• UNSUITABLE	
26	MANITOBA MAPLE	GOOD	19	3	9	-	8	• UNSUITABLE	
27	MANITOBA MAPLE	GOOD	15	3	7	-	8	• UNSUITABLE	
28	MANITOBA MAPLE	GOOD	17	3	8	-	8	• UNSUITABLE	
29	MANITOBA MAPLE	GOOD	14	2	7	-	8	• UNSUITABLE	
30	MANITOBA MAPLE	GOOD	13	2	6	-	8	• SUITABLE	
31	SIBERIAN ELM	GOOD	42	7	21	-	12	• PUBLIC TREE	
32	SIBERIAN ELM	GOOD	55	10	27	-	14	• PUBLIC TREE	
33	SIBERIAN ELM	GOOD	71	13	35	-	18	• PUBLIC TREE	
34	AMERICAN ELM	GOOD	64	11	31	-	16	• PUBLIC TREE	
35	AMERICAN ELM	GOOD	53	9	26	-	14	• PUBLIC TREE	

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

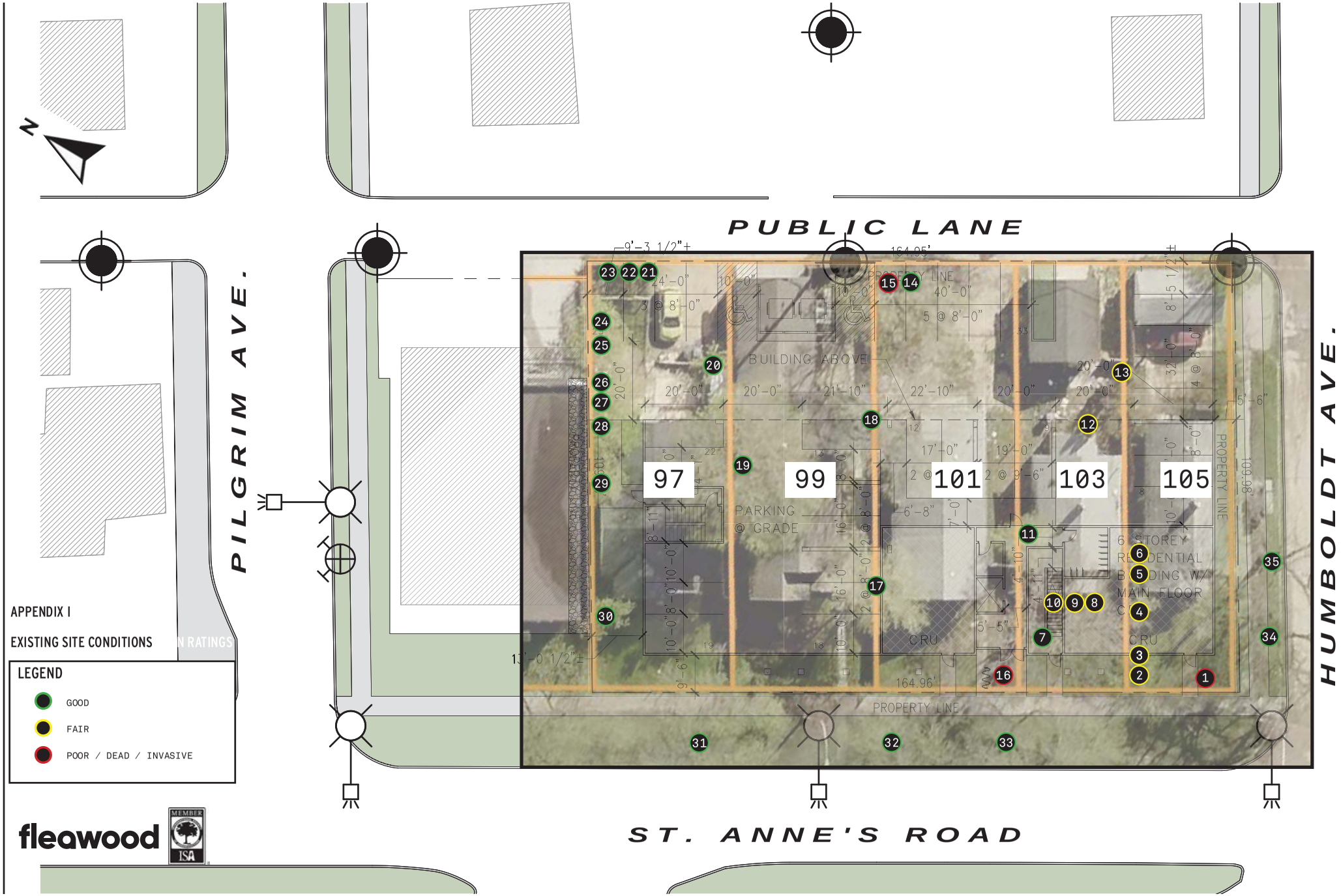
THE ECOLOGICAL ROOT PRINT AREA IN AN UNCONSTRAINED LANDSCAPED SETTING. LIMITED DISTANCE TO ENCHROACHMENT UNDER IDEAL CIRCUMSTANCES.

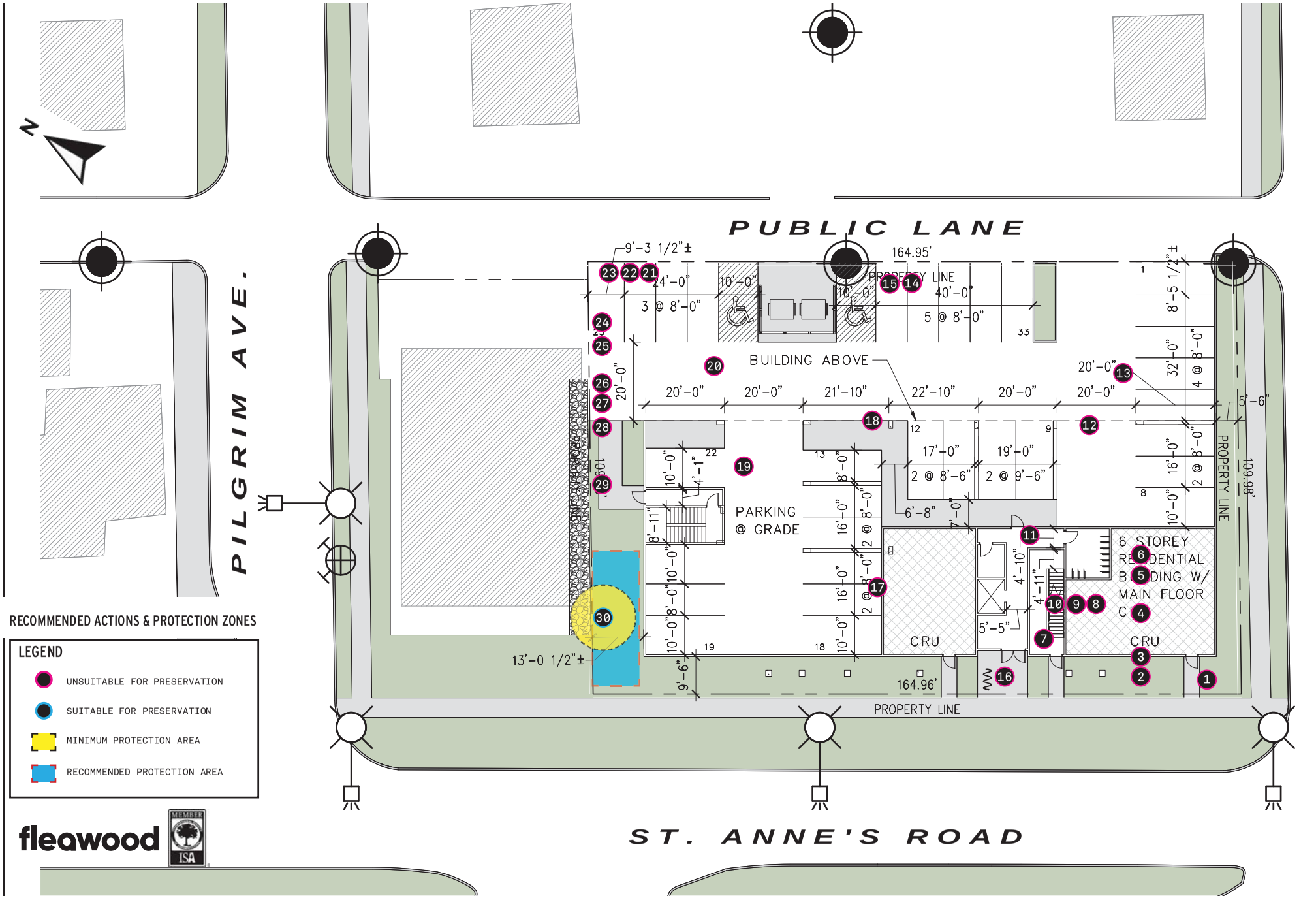
TPZ: TREE PROTECTION ZONE

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.


PUBLIC LANE
PILGRIM AVE.
HUMBOLDT AVE.
ST. ANNE'S ROAD
97
99
101
103
105
BUILDING ABOVE
PARKING @ GRADE
CRU
CRU
PROPERTY LINE
PROPERTY LINE
164.96'
164.95'
109.98'
APPENDIX I
EXISTING SITE CONDITIONS
LEGEND
GOOD
FAIR
POOR / DEAD / INVASIVE
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RECOMMENDED ACTIONS & PROTECTION ZONES

LEGEND

- UNSUITABLE FOR PRESERVATION
- SUITABLE FOR PRESERVATION
- MINIMUM PROTECTION AREA
- RECOMMENDED PROTECTION AREA

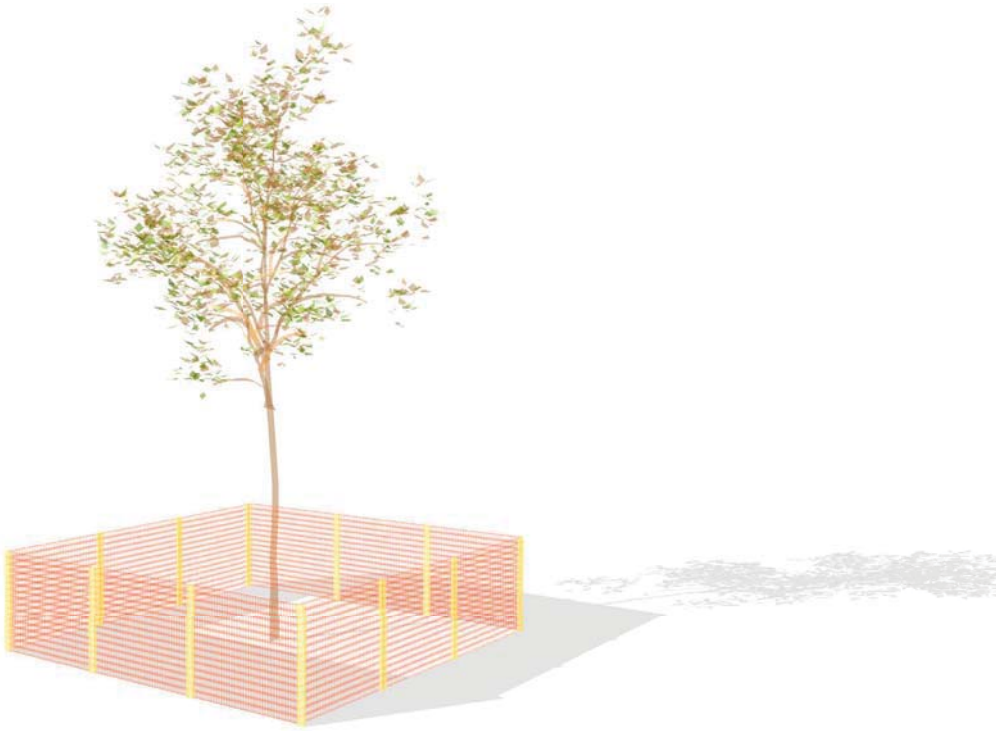
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TREE PROTECTION EXAMPLES

TREE PROTECTION ZONES:
- 2X4 FRAMING WITH SNOW FENCING ATTACHED AND FIXED TO THE GROUND (MINIMUM 4' HEIGHT)
- 6' TEMPORARY METAL CONSTRUCTION FENCING.

INDIVIDUALLY PROTECTED TREES:
- SEE TREE PROTECTION ZONE. IF THE TREE CANNOT ACCOMMODATE THE TREE MINIMUM TREE PROTECTION AREA, ENSURE THE BARK IS ADEQUATELY PROTECTED BY BOXING THE TREE WITH SHEET MATERIAL SUCH AS PLYWOOD OR OSB. ALTERNATIVELY, STRAPPING THE MATERIAL WITH DIMENSIONAL LUMBER AROUND THE ENTIRE CIRCUMFERENCE OF THE TRUNK.



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*

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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. PRUNING OF ELM TREES IS ILLEGAL IN MANITOBA BETWEEN APRIL 1ST AND JULY 31ST. ELM TREE REMOVALS CAN BE COMPLETED AT ANY TIME OF YEAR WITH PROPER ELM WOOD HANDLING.

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:

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