

- EXISTING DECIDUOUS TREE
- EXISTING VEGETATION GROUP
- TREE IDENTIFICATION KEY
- EXISTING TREE TO BE REMOVED
- EXISTING VEGETATION GROUP TO BE REMOVED
- PROPOSED TEMPORARY TREE PROTECTION FENCE
- CRITICAL ROOT ZONE
- PROPOSED RIVER WASHED STONES
- PROPOSED PERMEABLE PAVERS
- PROPERTY LINE

Notes

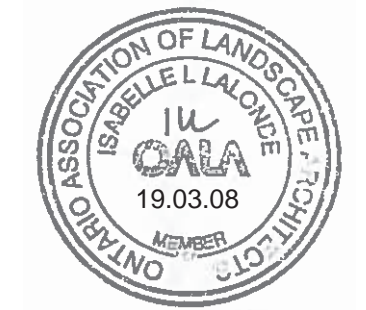
- TOPOGRAPHIC SURVEY AND BENCHMARK COMPLETED BY STANTEC GEOMATICS LTD. DATED FEB 15, 2018. THE SURVEY INCLUDED THE SURVEYED LOCATION OF TREES.
- SITE PLAN PREPARED BY RUBIN & ROTMAN ARCHITECTS DATED FEBRUARY 2019.

5	ISSUED FOR MUNICIPAL REVIEW	ILL	ILL	19.03.08
4	REVISED SITE PLAN	ILL	ILL	19.02.25
3	REVISED SITE PLAN	LZ	ILL	18.10.17
2	ISSUED FOR SITE PLAN APPROVAL	AMO	JM	18.08.17
1	ISSUED FOR SITE PLAN APPROVAL	ILL	ILL	18.05.17

Revision By Appd. YY.MM.DD

File Name:	160401400_1B	AMO	JM	JM	18.05.04
		Dwn.	Chkd.	Dgdn.	YY.MM.DD

Permit-Seal



Client/Project

TC UNITED GROUP
800 INDUSTRIAL AVENUE

APARTMENT BUILDING
689 CHURCHILL AVE. NORTH
OTTAWA, ONTARIO

Title

TREE PRESERVATION PLAN

Project No.	160401400	Scale	0 1 3 5m 1:100
Drawing No.	Sheet	Revision	

L100

1 of 3

5

EXISTING VEGETATION SCHEDULE

TREE ASSESSMENT CONDUCTED: March 20, 2018

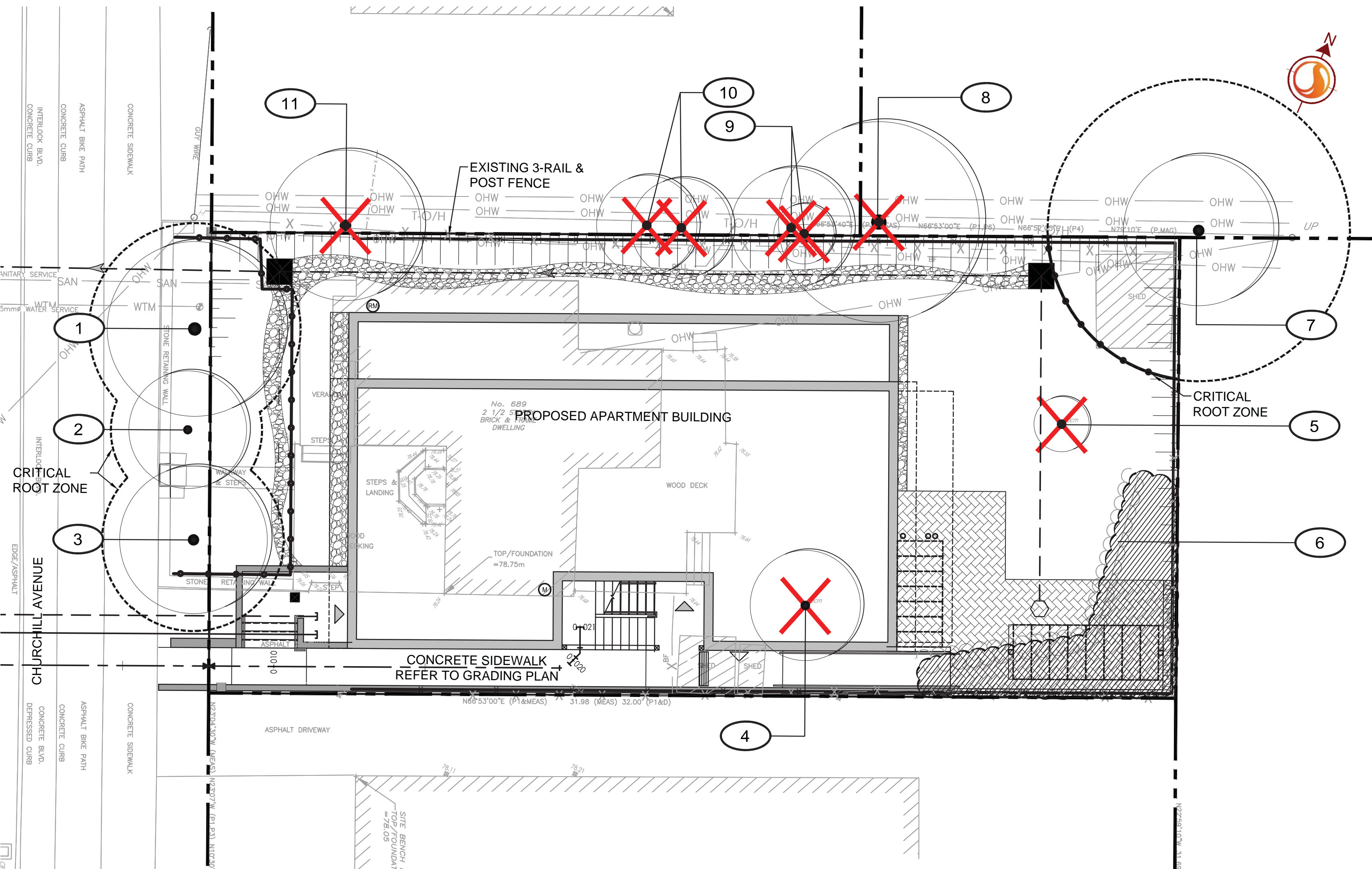
PLANT ID	BOTANICAL NAME	COMMON NAME	DBH (cm)	HEALTH/CONDITION	REMARKS
1	<i>Acer spp</i>	Maple	35	Good	Street Tree: TO BE PROTECTED
2	<i>Acer spp</i>	Maple	25	Good	Street Tree: TO BE PROTECTED
3	<i>Ginkgo spp.</i>	Maidenhair Tree	30	Good	Street Tree: TO BE PROTECTED
4	<i>Acer spp</i>	Maple	40	Fair	Trunk is damaged. TO BE REMOVED
5	<i>Malus spp.</i>	Crabapple	30	Poor to Dead	Bark is peeling off: TO BE REMOVED
6	<i>Abies balsamea; Syringa vulgaris</i>	Balsam Fir; Common Lilac	5-15	Fair to Poor	Group of trees along fence line: 1 Lilac with 11 Fir: TO BE REMOVED.
7	<i>Acer negundo</i>	Manitoba Maple	50	Good	322 Irene Crescent: TO BE PROTECTED
8	<i>Acer negundo</i>	Manitoba Maple	100	Good	322 Irene Crescent: TO BE REMOVED
9	<i>Acer negundo</i>	Manitoba Maple	50: 20	Good	683 Churchill Avenue: 2 trees: TO BE REMOVED
10	<i>Ulmus pumila</i>	Siberian Elm	2 x 25	Good	683 Churchill Avenue: 2 trees: TO BE REMOVED
11	<i>Ulmus pumila</i>	Siberian Elm	60	Fair	683 Churchill Avenue: Tree is growing in the fence installed on 683 Churchill Avenue: TO BE REMOVED

[Signature]

DOUGLAS JAMES, MCIP, RPP
MANAGER, DEVELOPMENT REVIEW - CENTRAL
PLANNING, INFRASTRUCTURE & ECONOMIC
DEVELOPMENT DEPARTMENT, CITY OF OTTAWA

APPROVED

By Jamesdo at 12:48 pm, Jun 19, 2019



1 TREE PRESERVATION PLAN

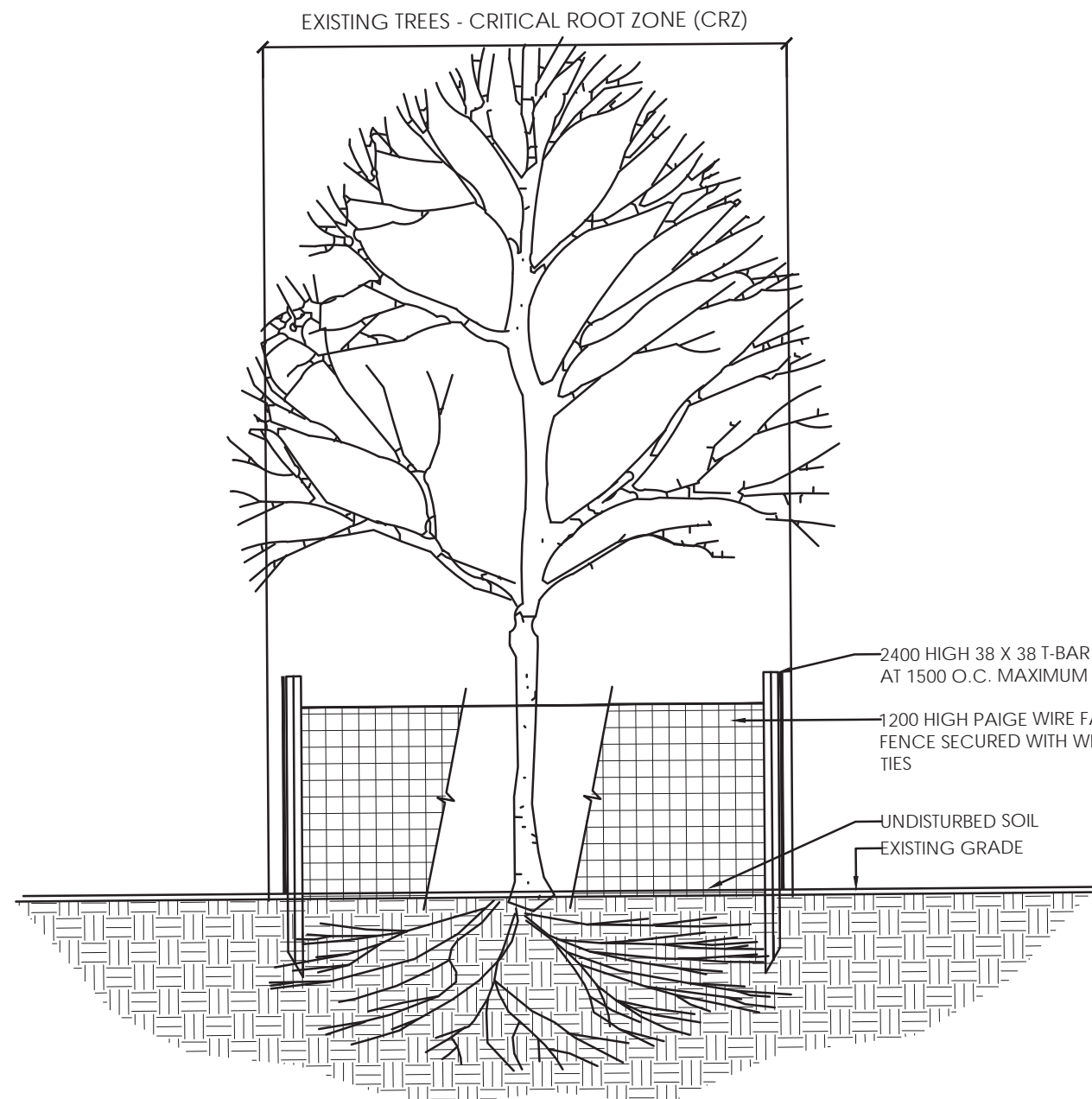
1:100

TREE PRESERVATION NOTES

- NO VEGETATION SHALL BE REMOVED WITHOUT MUNICIPAL WRITTEN APPROVAL.
- LOCATION OF EXISTING TREES IS FOR REFERENCE ONLY AND SHALL BE CONFIRMED BY AN ARBORIST AND SURVEYOR.
- NO VEGETATION REMOVAL SHALL OCCUR BETWEEN APRIL 15 AND AUGUST 15 OF ANY YEAR TO PROTECT BREEDING MIGRATORY BIRDS, AS WELL AS AT RISK BAT SPECIES. SHALL TREE REMOVAL DURING THIS PERIOD BY UNAVOIDABLE, THE CONTRACTOR IS REQUIRED TO CONDUCT A NESTING SURVEY BY A REGISTERED PROFESSIONAL AVIAN BIOLOGIST TO IDENTIFY AND ENSURE NO NESTING ACTIVITIES ARE PRESENT. TREE REMOVAL WILL BE ALLOWED WITHIN FIVE (5) DAYS OF CONDUCTING THE SURVEY.
- CONTRACTOR SHALL ENSURE THE PROTECTION OF MATURE TREES IDENTIFIED TO BE RETAINED. TREE PROTECTION FENCING SHALL BE INSTALLED AT THE CRITICAL ROOT ZONE (CRZ) OF TREES WHERE THE CRZ IS ESTABLISHED AS BEING 10 CENTIMETRES FROM THE TRUNK OF A TREE FOR EVERY CENTIMETRE OF TRUNK DIAMETER AT BREAST HEIGHT (DBH). THE CRZ IS CALCULATED AS DBH X 10 CM. TREE PROTECTION FENCING SHALL BE INSTALLED AS SPECIFIED.
- DURING EXCAVATION EQUIPMENT MUST BE MAINTAINED WITHIN THE CONFINES OF THE WORK AREA SO AS NOT TO DISRUPT ANY TURF OR TREE ROOTS UNNECESSARILY. DO NOT PLACE ANY MATERIAL OR EQUIPMENT WITHIN THE CRITICAL ROOT ZONE (CRZ) OF ANY TREE TO BE RETAINED.
- DO NOT RAISE OR LOWER THE EXISTING GRADE WITHIN THE CRZ WITHOUT APPROVAL
- ALL EXCAVATED MATERIAL, INCLUDING IMPORTED MATERIAL, MUST BE REMOVED IMMEDIATELY AND NOT PLACED ON GRASS OR NEAR TREES IN ORDER TO PREVENT ROOT DAMAGE, ACCIDENTAL HITTING OF ADJACENT TREES, AND TURF DAMAGE OUTSIDE OF WORK AREA.
- CONTRACTOR SHALL MINIMIZE SOIL COMPACTION BY KEEPING OPERATION OF MACHINERY AND EQUIPMENT CONFINED TO DESIGNATED WORK AREA.
- DO NOT ATTACH ANY SIGNS, NOTICES, OR POSTERS TO ANY TREES
- CONTRACTOR SHALL KEEP A SPILL KIT ON SITE.
- CONTRACTOR SHALL DEVELOP AN EMERGENCY RESPONSE PLAN.
- CONTRACTOR SHALL AVOID SOIL CONTAMINATION AND FUTURE LIABILITY BY CONFINING THE OILING AND REFUELING OF MACHINERY AND EQUIPMENT TO DESIGNATED STAGING AREA.
- NO FUEL IS TO BE STORED WITHIN THE CRITICAL ROOT ZONE (CRZ) OF ANY TREE AND EXHAUST FUMES FROM ALL EQUIPMENT MUST NOT BE DIRECTED TOWARDS ANY TREE'S CANOPY.
- CONTRACTOR SHALL PREVENT ANY DAMAGE TO THE ROOT SYSTEM, TRUNK OR BRANCHES OF ANY TREES TO BE RETAINED ON SITE AND ON ADJACENT PROPERTIES.
- STORAGE OF EQUIPMENT AND VEHICLES WITHIN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES IS STRICTLY PROHIBITED.
- WHERE LIMBS OR PORTIONS OF TREES ARE REMOVED TO ACCOMMODATE CONSTRUCTION WORK, THEY WILL BE REMOVED CAREFULLY IN ACCORDANCE WITH ACCEPTED ARBORICULTURAL PRACTICES.
- WHERE NECESSARY, THE TREES WILL BE GIVEN AN OVERALL PRUNING TO RESTORE THEIR APPEARANCE. NOT MORE THAN ONE THIRD OF THE TOTAL BRANCHING SHALL BE REMOVED DURING A SINGLE OPERATION. THE SERVICES OF A CERTIFIED ARBORIST SHALL BE RETAINED FOR THIS TASK.

WORK WITHIN PROTECTED AREAS

- EXCAVATION WORK:
 - TO ENSURE THE ROOTS ARE NOT DISTURBED MORE THAN NECESSARY AND WHERE EXCAVATION WORKS ARE UNAVOIDABLE WITHIN THE CRZ OF TREES, THE FOLLOWING MITIGATION MEASURES SHALL BE USED:
 - BALL EXCAVATION WITHIN THE CRZ OF TREES SHALL BE BY HAND OR HYDRO EXCAVATION USING THE SMALLEST TOOLS. ROOT CUTTING SHALL BE MADE USING A SHARP SPADE OR KNIFE AT THE LIMIT OF DISTURBANCE PRIOR TO ANY CONSTRUCTION ACTIVITIES.
 - THE CONTRACTOR SHALL ONLY TUNNEL OR BORE WITHIN THE CRZ, INSTEAD OF CREATING A TRENCH.
 - ANY ROOTS THAT ARE EXPOSED BY CONSTRUCTION ACTIVITIES MUST BE COVERED WITH NATIVE TOPSOIL IMMEDIATELY, TO ENSURE THAT THE ROOTS DO NOT DRY OUT OR HAVE ANY FURTHER DAMAGE OCCUR TO THEM.
 - IN ALL THOSE INSTANCES WHERE ROOT PRUNING IS REQUIRED, THE SERVICE OF A CERTIFIED ARBORIST OR QUALIFIED TREE WORKER UNDER THE SUPERVISION OF A CERTIFIED ARBORIST SHALL BE RETAINED. IN ADDITION, ALL REMEDIAL WORKS MUST BE CONDUCTED BY A CERTIFIED CARE PROFESSIONAL TO ENSURE PROPER CARE IS ADMINISTERED IN ORDER TO ENABLE THE CONTINUED HEALTH OF THE TREES.
- GRADING WORK
 - WHERE RE-GRADING IS REQUIRED WITHIN THE CRZ, IT SHOULD BE PERFORMED BY HAND UNDER THE SUPERVISION OF A CERTIFIED ARBORIST.



NOTES:

- GROUPS OF TREES TO BE PROTECTED SHALL BE TREATED IN A LIKE MANNER WITH FENCING AROUND THE ENTIRE STAND(S).
- PRUNE BRANCHES TO REMOVE DAMAGED OR OBJECTIONABLE BRANCHES. DO NOT PRUNE LEADERS.
- TREE PROTECTION SHALL REMAIN UNTIL SUBSTANTIAL PERFORMANCE OF THE PROJECT.
- IF TREES ARE BEING AFFECTED BY CONSTRUCTION, A WATER AND FERTILIZING PROGRAM WILL BE REQUIRED TO THE SATISFACTION OF THE CITY.

2 TEMPORARY TREE PROTECTION FENCE

N.T.S.