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Legend

- EXISTING DECIDUOUS TREE
- EXISTING CONIFEROUS TREE
- EXISTING VEGETATION GROUP
- EXISTING FORESTED AREA
- TREE IDENTIFICATION KEY
- EXISTING TREE TO BE REMOVED
- EXISTING VEGETATION GROUP TO BE REMOVED
- PROPOSED TEMPORARY TREE PROTECTION FENCE REFER TO DRAWING TC-03
- PROPERTY LINE

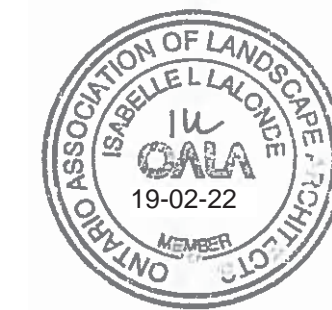
Notes

- DRAWING TO BE READ IN CONJUNCTION WITH TREE CONSERVATION REPORT.
- TOPOGRAPHIC SURVEY AND BENCHMARK COMPLETED BY ARPENTAGE DUTRISAC SURVEYING INC. DATED SEPTEMBER 27, 2016.
- SITE PLAN PREPARED BY TEMPRANO & YOUNG ARCHITECTS INC. DATED OCTOBER 17, 2018.
- GEOTECHNICAL REPORT PREPARED BY STANTEC CONSULTING LTD. DATED MARCH 9, 2018.

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1	ISSUED FOR SITE PLAN APPROVAL	MHS	ILL	19.02.12
Revision		By	Appd.	YY.MM.DD

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Permit-Seal



Client/Project

ST. GEORGE AND ST. ANTHONY  
COPTIC ORTHODOX CHURCH

3856, 3866 & 3876 NAVAN ROAD

OTTAWA, ON, CANADA

Title

TREE PRESERVATION PLAN

Project No.	Scale	0 3 9 15m
160410200	1:300	
Drawing No.	Sheet	Revision

TC-02

2 of 2

2

EXISTING VEGETATION SCHEDULE

TREE ASSESSMENT CONDUCTED: August 9th, 2018 and August 22, 2018

ALL TREES OVER 10 DBH

PLANT ID	BOTANICAL NAME	COMMON NAME	DBH (cm)	HEALTH/CONDITION	REMARKS
1	<i>Populus tremuloides</i>	Trembling Aspen	10	Good to Fair	NOT FEASIBLE TO RETAIN
2	<i>Betula papyrifera</i>	White Birch	20	Good	NOT FEASIBLE TO RETAIN
3	<i>Populus tremuloides</i>	Trembling Aspen	11	Good	NOT FEASIBLE TO RETAIN
4	<i>Betula papyrifera</i>	White Birch	12	Good	NOT FEASIBLE TO RETAIN
5	<i>Betula papyrifera</i>	White Birch	10	Good	NOT FEASIBLE TO RETAIN
6	<i>Betula papyrifera</i>	White Birch	11	Poor	NOT FEASIBLE TO RETAIN
7	<i>Betula papyrifera</i>	White Birch	17	Good	Almost fused together: NOT FEASIBLE TO RETAIN
8	<i>Populus tremuloides</i>	Trembling Aspen	11	Good to Fair	Almost fused together: NOT FEASIBLE TO RETAIN
9	<i>Salix spp</i>	Willow	10	Good to Fair	Almost fused together: NOT FEASIBLE TO RETAIN
10	<i>Pinus banksiana</i>	Jack Pine	14	Poor	NOT FEASIBLE TO RETAIN
11	<i>Betula papyrifera</i>	White Birch	16	Good	Multi-stem (4 stem): NOT FEASIBLE TO RETAIN
12	<i>Betula papyrifera</i>	White Birch	15	Good	NOT FEASIBLE TO RETAIN
13	<i>Populus tremuloides</i>	Trembling Aspen	10	Good	NOT FEASIBLE TO RETAIN
14	<i>Betula papyrifera</i>	White Birch	10	Good	NOT FEASIBLE TO RETAIN
15	<i>Betula papyrifera</i>	White Birch	13	Fair	NOT FEASIBLE TO RETAIN
16	<i>Acer negundo</i>	Manitoba Maple	15	Good	Multistem: 1 m south off of property line: TO BE RETAINED
17	<i>Acer negundo</i>	Manitoba Maple	15	Good	On property line: TO BE RETAINED
18	<i>Acer negundo</i>	Manitoba Maple	45	Good	Multistem: 3 m south off of property line: TO BE RETAINED
19	<i>Prunus serotina</i>	Black Cherry	15	Poor	1.5m south off of property line
20	<i>Acer negundo</i>	Manitoba Maple	25	Good to Fair	TO BE RETAINED
21	<i>Acer negundo</i>	Manitoba Maple	25	Good	TO BE RETAINED
22	<i>Acer negundo</i>	Manitoba Maple	20	Good	TO BE RETAINED
23	<i>Acer negundo</i>	Manitoba Maple	15	Fair	Against fence: TO BE REMOVED
24	<i>Acer negundo</i>	Manitoba Maple	17	Good to Fair	Against fence: TO BE REMOVED
25	<i>Acer negundo</i>	Manitoba Maple	18	Fair	Against fence: TO BE REMOVED
26	<i>Juglans nigra</i>	Black Walnut	35	Good	On neighbours property near shed 1.5m from fence: TO BE RETAINED
27	<i>Juglans nigra</i>	Black Walnut	35	Good	On neighbours property near shed 1.5m from fence: TO BE RETAINED
28	<i>Acer negundo</i>	Manitoba Maple	38	Good to Fair	Multistem: 3 stems: TO BE REMOVED
29	<i>Acer negundo</i>	Manitoba Maple	15	Good to Fair	TO BE REMOVED
30	<i>Populus tremuloides</i>	Trembling Aspen	26	Good	TO BE REMOVED
31	<i>Acer negundo</i>	Manitoba Maple	50	Good	On neighbours property, .5m away from property line: TO BE PROTECTED
32	<i>Populus tremuloides</i>	Trembling Aspen	16	Good	TO BE REMOVED
33	<i>Populus tremuloides</i>	Trembling Aspen	15	Good	TO BE REMOVED
34	<i>Populus tremuloides</i>	Trembling Aspen	22	Good	TO BE REMOVED
35	<i>Acer negundo</i>	Manitoba Maple	12	Good to Fair	Multi-stem: TO BE REMOVED
36	<i>Picea glauca</i>	White Spruce	25	Fair	On neighbours property, .5m away from property line: TO BE PROTECTED
37	<i>Picea glauca</i>	White Spruce	25	Fair	On neighbours property, .5m away from property line: TO BE PROTECTED

VEGETATION GROUPS

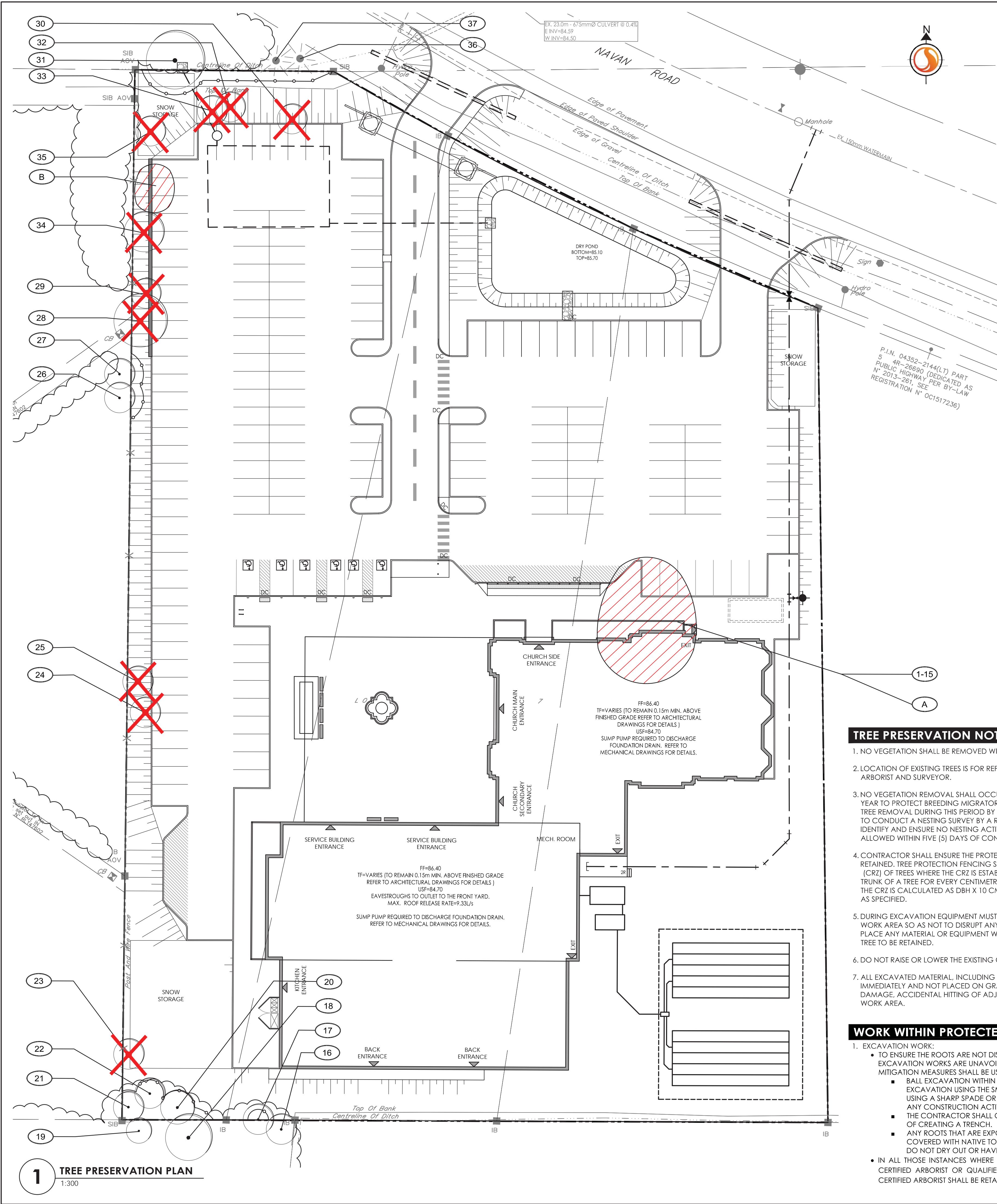
- A Trees 1 through 15, plus 17 Aspen and White Birch, all under 10 cm in good condition: TO BE REMOVED
- B Grove comprised of Paper Birch, Trembling Aspen and White Birch. Sizes range from 11 cm to 18 cm. In good to fair condition: TO BE REMOVED
- Note Suckering Green Ash near access point

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.



1 TREE PRESERVATION PLAN  
1:300