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Legend



TREE IDENTIFICATION NUMBER



EXISTING DECIDUOUS TREE

EXISTING CONIFEROUS TREE



EXISTING GROUPING OF VEGETATION



——— PROPERTY LINE

Notes

1. TOPOGRAPHIC SURVEY AND BENCHMARK COMPLETED BY STANTEC GEOMATICS LTD. DATED JUNE, 2019.

2. SITE PLAN PREPARED BY N45 ARCHITECTURE INC. DATED NOVEMBER, 2019.

1 ISSUED FOR REVIEW		CTL	ILL	19.11.29
Revision		Ву	Appd.	YY.MM.D
File Name: 160410203-LB	CTL	ILL	CTL	19.10.16
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Permit-Seal



Client/Project

ST. MARY'S COPTIC ORTHODOX CHURCH
1 CANFIELD ROAD

PROPOSED ST. MARY'S COPTIC ORTHODOX CHURCH OTTAWA, ON

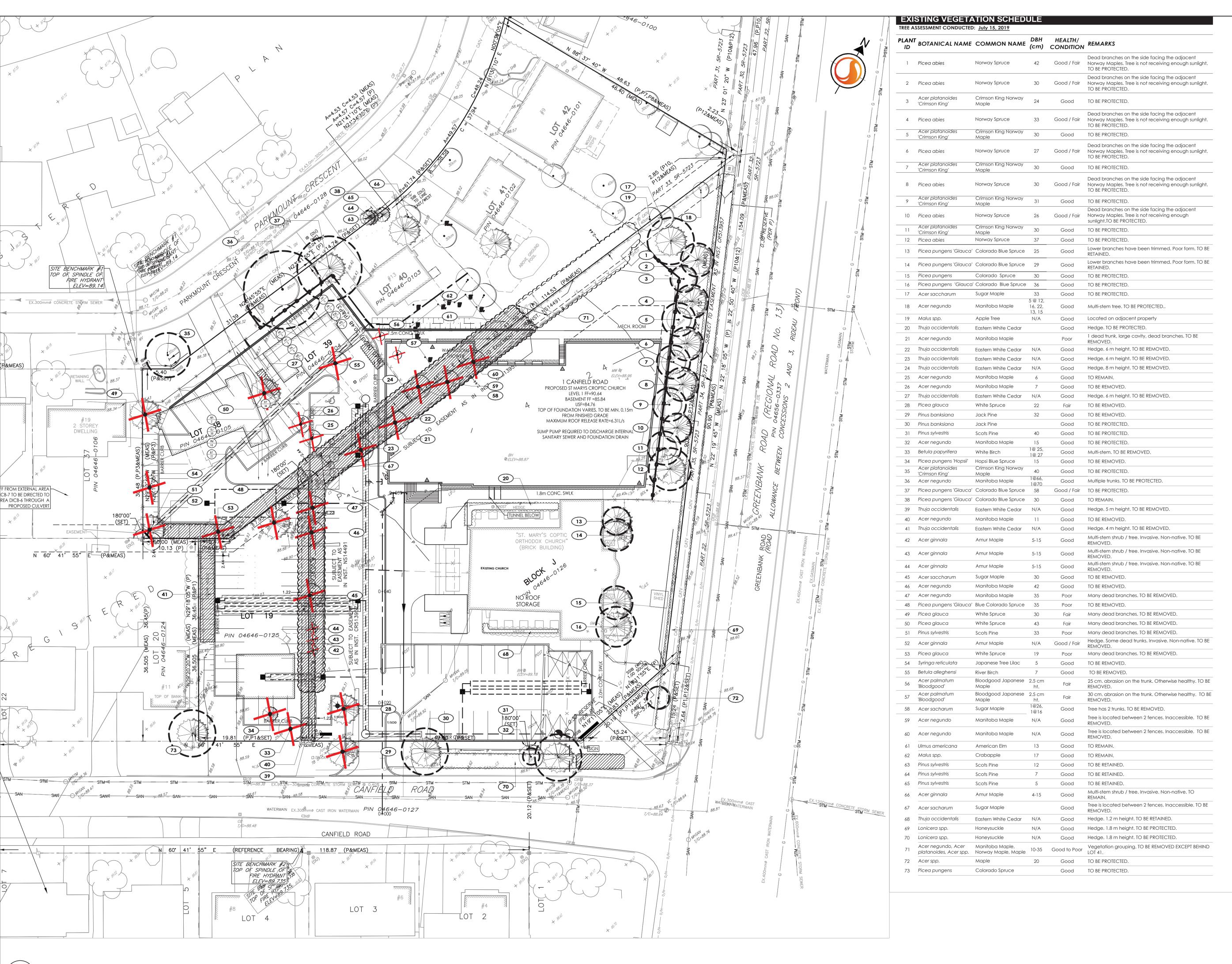
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CURRENT VEGETATION PLAN

Drawing No.	Sheet	Revision

TC-1

1 of 3



TREE PRESERVATION PLAN

ORIGINAL SHEET - ARCH D



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Legend

TREE IDENTIFICATION NUMBER

EXISTING DECIDUOUS TREE

EXISTING CONIFEROUS TREE

EXISTING GROUPING OF VEGETATION TO REMAIN

EXISTING GROUPING OF VEGETATION TO BE REMOVED

EXISTING TREE TO BE REMOVED

EXISTING TREE TO BE RELOCATED

TREE PROTECTION FENCE. REFER TO DETAIL 1/TC3.

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CRITICAL ROOT ZONE

— — PROPERTY LINE

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Client/Project

ST. MARY'S COPTIC ORTHODOX CHURCH 1 CANFIELD ROAD

PROPOSED ST. MARY'S COPTIC ORTHODOX CHURCH OTTAWA, ON

Title

PROPOSED DEVELOPMENT AND TREE PRESERVATION PLAN

Project No.

160410203

Scale 0 3 9 15m

1:300

Drawing No.

Sheet Revision

2 of 3

TREE PRESERVATION NOTES

- 1. NO VEGETATION SHALL BE REMOVED WITHOUT MUNICIPAL WRITTEN APPROVAL.
- 2. LOCATION OF EXISTING TREES IS FOR REFERENCE ONLY AND SHALL BE CONFIRMED BY AN ARBORIST AND SURVEYOR.
- 3. 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
- 4. 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.
- 5. 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.
- 6. DO NOT RAISE OR LOWER THE EXISTING GRADE WITHIN THE CRZ WITHOUT APPROVAL
- 7. 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.
- 8. CONTRACTOR SHALL MINIMIZE SOIL COMPACTION BY KEEPING OPERATION OF MACHINERY AND EQUIPMENT CONFINED TO DESIGNATED WORK AREA.
- 9. DO NOT ATTACH ANY SIGNS, NOTICES, OR POSTERS TO ANY TREES
- 10. CONTRACTOR SHALL KEEP A SPILL KIT ON SITE.
- 11. CONTRACTOR SHALL DEVELOP AN EMERGENCY RESPONSE PLAN.
- 12. Contractor shall avoid soil contamination and future liability by confining the oiling and refueling of machinery and equipment to designated staging area.
- 13. 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.
- 14. CONTRACTOR SHALL PREVENT ANY DAMAGE TO THE ROOT SYSTEM, TRUNK OR BRANCHES OF ANY TREES TO BE RETAINED ON SITE AND ON ADJACENT PROPERTIES.
- 15. STORAGE OF EQUIPMENT AND VEHICLES WITHIN THE CRITICAL ROOT ZONE (CRZ) OF EXISTING TREES IS STRICTLY PROHIBITED.
- 16. WHERE LIMBS OR PORTIONS OF TREES ARE REMOVED TO ACCOMMODATE CONSTRUCTION WORK, THEY WILL BE REMOVED CAREFULLY IN ACCORDANCE WITH ACCEPTED ARBORICULTURAL PRACTICES.
- 17. 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.

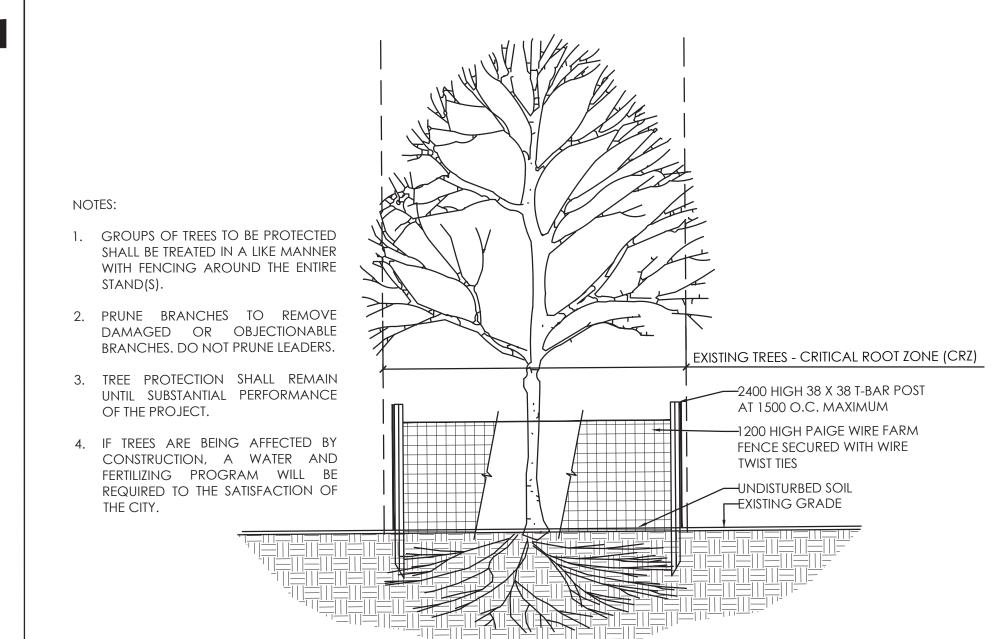
WORK WITHIN PROTECTED AREAS

1. 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:
 - ALL 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.

2. GRADING WORK

• WHERE RE-GRADING IS REQUIRED WITHIN THE CRZ, IT SHOULD BE PERFORMED BY HAND UNDER THE SUPERVISION OF A CERTIFIED ARBORIST.



1 TEMPORARY TREE PROTECTION FENCE



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1 CANFIELD ROAD

PROPOSED ST. MARY'S COPTIC ORTHODOX CHURCH OTTAWA, ON

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TREE PRESERVATION DETAILS AND NOTES

Project No.
160410203

Scale
VARIES

Drawing No.
Sheet
Revision

3 of 3

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