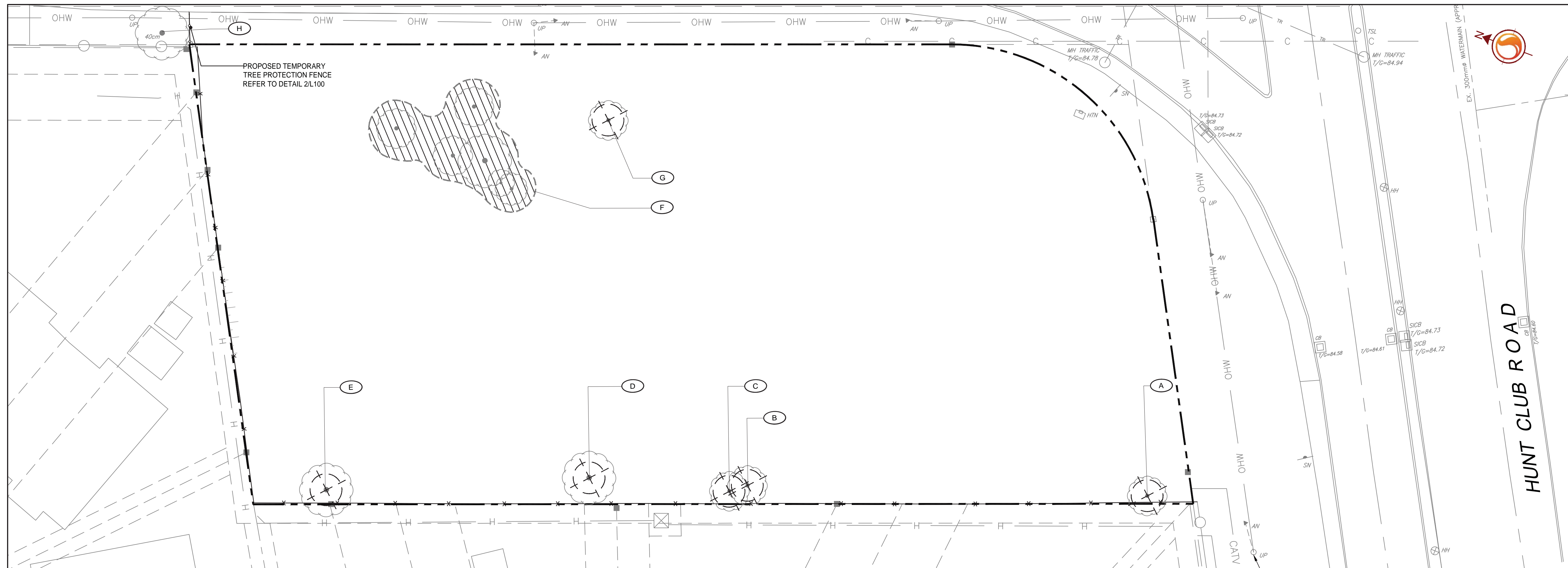


Legend

- EXISTING DECIDUOUS TREE TO BE RETAINED
- EXISTING TREE TO BE REMOVED
- TREE IDENTIFICATION KEY
- EXISTING WOODED AREA TO BE RETAINED
- EXISTING WOODED AREA TO BE REMOVED
- PROPOSED TEMPORARY TREE PROTECTION FENCE
- PROPERTY LINE



1 TREE PRESERVATION PLAN
1:200

EXISTING TREE SCHEDULE

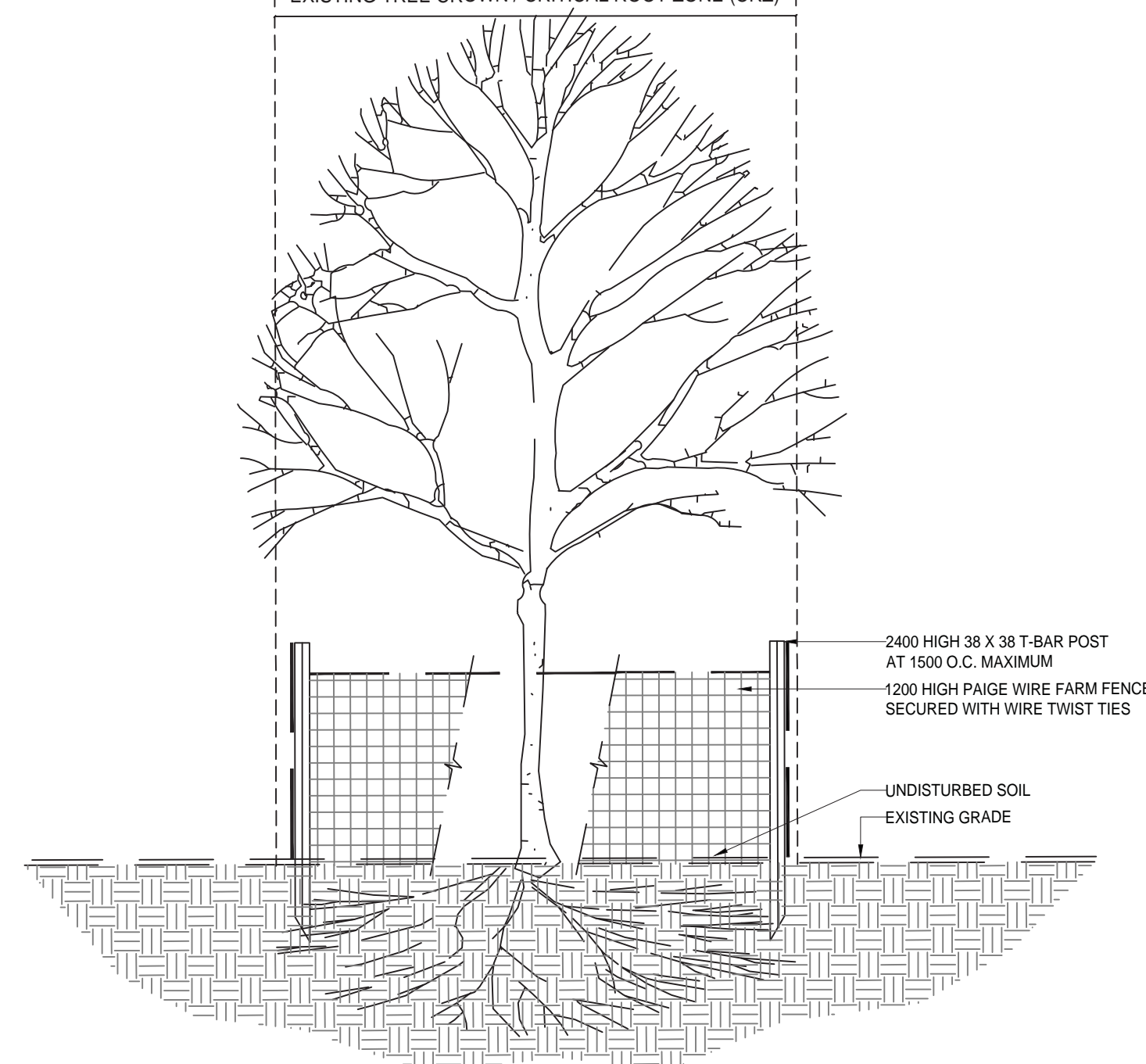
TREE ASSESSMENT CONDUCTED November 9, 2016, and March 9, 2017.

| PLANT ID | BOTANICAL NAME / COMMON NAME | DIAMETER AT BREAST HEIGHT (cm) | HEALTH CONDITION | REMARKS |
|----------|---|--------------------------------|------------------|---|
| A | Malus spp. / Crabapple | 20 | Good | TO BE REMOVED. |
| B | Ulmus americana / American elm | 20 | Good | TO BE REMOVED. |
| C | Ulmus americana / American elm | 10 | Good | TO BE REMOVED. |
| D | Ulmus americana / American elm | 20; 20; 10 | Good | Multistem (3 stems); TO BE REMOVED |
| E | Ulmus americana / American elm | 10 | Good | TO BE REMOVED. |
| F | Populus tremuloides 90% / Trembling Aspen Ulmus americana 10% / American elm | 20 to 30 | Good | Grouping of trees; also includes seedlings and saplings; TO BE REMOVED |
| G | Acer spp. / Maple | 10 | Good | TO BE REMOVED. |
| H | Elaeagnus angustifolia / Russian olive | 20 | Good | Leaning towards the roadway; located in the road right-of-way; TO REMAIN. |

NOTES:

- LOCATION OF TREES IS FOR REFERENCE ONLY AND SHALL BE CONFIRMED ON SITE BY AN ARBORIST PRIOR TO REMOVAL.
- EXISTING TREES ARE GROWING ON ADJACENT PROPERTIES. BEHIND EXISTING NOISE BARRIER.
- ALL TREES GROWING ON ADJACENT PROPERTIES SHALL REMAIN. REFER TO TREE PRESERVATION NOTES AND INSTRUCTIONS RELATED TO WORK WITHIN CRITICAL ROOT ZONES TO LIMIT POTENTIAL DAMAGES TO THESE TREES.

EXISTING TREE CROWN / CRITICAL ROOT ZONE (CRZ)



NOTES:

- THE AREA WITHIN THE PROTECTED FENCING SHALL REMAIN UNDISTURBED AND SHALL NOT BE USED FOR THE STORAGE OF BUILDING MATERIALS OR EQUIPMENT. REMOVE ALL DEBRIS.
- 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.

TREE PRESERVATION NOTES

- NO VEGETATION SHALL BE REMOVED WITHOUT MUNICIPAL WRITTEN APPROVAL.
- LOCATION OF EXISTING SIGNIFICANT TREE IS FOR REFERENCE ONLY AND SHALL BE CONFIRMED BY AN ARBORIST AND SURVEYOR.
- NO VEGETATION REMOVAL SHALL OCCUR BETWEEN APRIL 15 AND JULY 31 OF ANY YEARS 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.
- CONTRACTOR SHALL ENSURE THAT NO FILL WILL BE ALLOWED TO OCCUR ON THE SURFACE ABOVE THE CRITICAL ROOT ZONE (CRZ) OF TREES.
- 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.
- 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.

WORKING WITHIN CRITICAL ROOT ZONES OF TREES

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

OWNER:
2520333 ONTARIO INC.
5 MILLCREEK COURT, NEPEAN, ON K2G 6Y7

APPLICANT:
STANTEC CONSULTING INC.
1331 CLYDE AVENUE, OTTAWA ON K2C 3G4

SURVEYOR:
STANTEC GEOMETRICS LTD.
1331 CLYDE AVENUE, OTTAWA, ON K2C 3G4

ARCHITECT:
MICROBE ARCHITECTS + INTERIOR DESIGNERS
66 QUEEN STREET, OTTAWA, ON K1P 5C6

LANDSCAPE ARCHITECT:
STANTEC CONSULTING INC.

CIVIL ENGINEER:
STANTEC CONSULTING INC.

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|---|---|-----|-----|----------|
| 2 | REVISED PER CITY COMMENTS | LZ | ILL | 18.08.31 |
| 1 | RE-ISSUED FOR SITE PLAN CONTROL APPLICATION | ILL | ILL | 17.11.07 |
| 0 | ISSUED FOR SITE PLAN CONTROL APPLICATION | MS | ILL | 17.04.11 |

| | | | |
|-----------------------------|------|-------|----------|
| Revision | By | Appd. | YY.MM.DD |
| File Name: 160401302_1B.dwg | MS | ILL | ILL |
| | Dwn. | Chkd. | Dgn. |
| | | | YY.MM.DD |

Permit-Seal



Client/Project
2520333 ONTARIO INC.

PROPOSED COMMERCIAL DEVELOPMENT
3500 HAWTHORNE ROAD
OTTAWA, ON

Title
TREE PRESERVATION PLAN

Project No. 160401302 Scale 1:200

Drawing No. L100 Sheet 1 of 2 Revision 2

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