

EXISTING TREE IDENTIFICATION TABLE
D1 ON D-1

WHITE GATOR BOARD SIGN OR EQUIVALENT, SECURED TO ALL 4 SIDES OF TREE PROTECTION ZONE. MINIMUM 250 x 350mm; TEXT MAY VARY BUT MUST INCLUDE THE ILLUSTRATED TEXT AS A MINIMUM.

38x96 WOOD NAILER SECURED TO T-BAR AT 2400mm O.C SECURED AT T-BAR USING 3.7mm DIA GALVANIZED WIRE.

2000mm MIN. LENGTH STEEL T-BAR; SPACE 2400mm O.C. ATTACH 1200mm PAIGE WIRE FENCE TO 38x96 WOOD NAILER SECURED TO T-BAR.

DETAIL OF SIGN

DETAIL OF TOP OF T-BAR

38x96 WOOD NAILER SECURED TO T-BAR AT 2400mm O.C SECURED AT T-BAR USING 3.7mm DIA GALVANIZED WIRE.

1200mm HIGH PAIGE WIRE FENCE COMPLETE WITH T-BARS INSTALLED AT 2400mm O.C.; SECURED AT T-BARS AS SHOWN.

STEEL T-BAR

SECTION

| Trunk Diameter (DBH) ² | Minimum Protection Distances Required ³ | Critical Root Zone (CRZ) Distances Required ^{3&4} |
|-----------------------------------|--|--|
| <10 cm | 1.8 m | 1.8 m |
| 11-40 cm | 2.4 m | 4.0 m |
| 41-50 cm | 3.0 m | 5.0 m |
| 51-60 cm | 3.6 m | 6.0 m |
| 61-70 cm | 4.2 m | 7.0 m |
| 71-80 cm | 4.8 m | 8.0 m |
| 81-90 cm | 5.4 m | 9.0 m |
| 91-100 + cm | 6.0 m | 10.0 m |

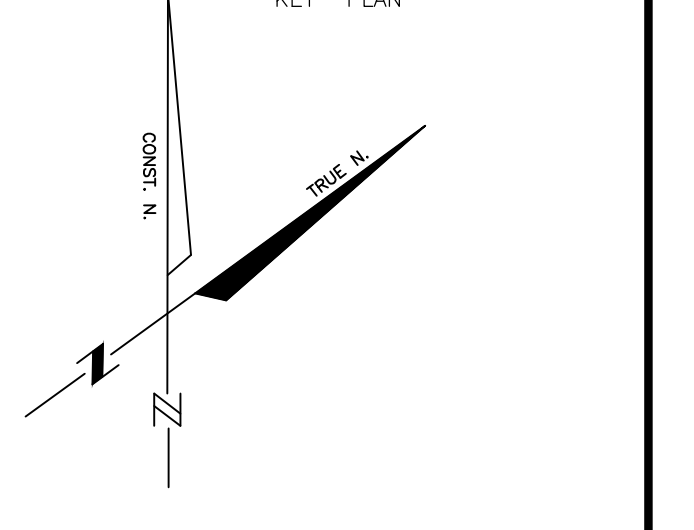
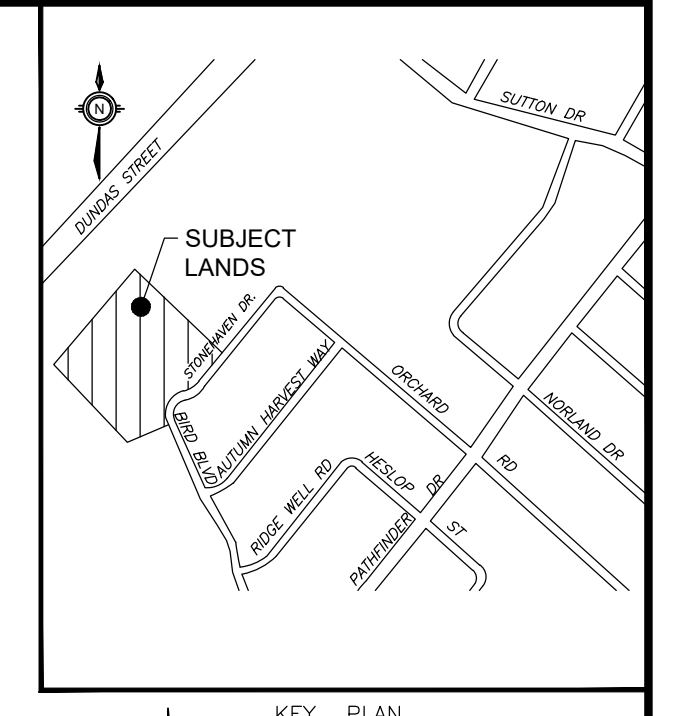
NOTES:

- The roots of a tree can extend from the trunk to approximately 2-3 times the distance of the drip line.
- Diameter at breast height (DBH) measurement of tree trunk taken at 1.4 metres above ground.
- Minimum Tree Protection Zone and Critical Root Zone distances are to be measured from the outside edge of the tree base towards the drip line and may be limited by an existing paved surface, provided the existing paved surface remains intact throughout the construction work and is subject to Section 6 of this specification.
- Where work is being performed beyond the Minimum Tree Protection Zone but within the Critical Root Zone the works are subject to Section 8 of City of Burlington Specification SS12A.

TREE PRESERVATION NOTES:

- ALL EXISTING TREES TO REMAIN ON SITE, OR ON ADJACENT PROPERTIES, SHALL BE TAGGED AND FULLY PROTECTED WITH FENCING BEYOND THEIR DRIPLINE TO THE SATISFACTION OF THE CITY. TREE PROTECTION ZONES MAY BE EXPANDED AS REQUIRED BASED ON THE SPECIES OF THE TREE. THESE BARRIERS ARE CREATED TO PROTECT THE ROOTS, TRUNKS AND BRANCHES DURING DEVELOPMENT, AS WELL AS THE UNDERSTOREY AND GROUNDCOVERS. SMALL LOT BY LOT TREE PROTECTION REQUIRES SNOW FENCING WITH METAL POST ENCLOSURES. LONG TERM DEVELOPMENT CONSTRUCTION REQUIRES SPECIAL PAIGE WIRE FENCING OR PLYWOOD TO A MINIMUM HEIGHT OF 1.2m.
- FENCES SHALL BE LOCATED AT A MINIMUM OF 0.5 TIMES THE CROWN RADIUS OF THE TREE FROM THE DRIPLINE, 360 DEGREES AROUND THE PERIMETER OF INDIVIDUAL OR CLUSTERED TREES.
- AREAS WITHIN THE TREE PROTECTION ZONE SHALL NOT BE USED FOR THE STORAGE OF BUILDING MATERIALS, STRUCTURES OR EQUIPMENT. THIS TREE PROTECTION ZONE SHALL BE COMPLETED PRIOR TO THE COMMENCEMENT OF SITE CLEARANCE, DEMOLITION, OR ANY TYPE OF CONSTRUCTION.
- SURPLUS SOIL, EQUIPMENT, VEHICLES, TOOLS, DEBRIS OR MATERIALS SHALL NOT BE PLACED OVER THE ROOT SYSTEMS OF THE TREES WITHIN THE TREE PROTECTION ZONE. NO CONTAMINANTS SHALL BE DUMPED OR FLUSHED WHERE FEEDER ROOTS OF TREES EXIST.
- TREE ROOTS TYPICALLY SPREAD WELL BEYOND THE DRIPLINE OF TREES, UP TO 3.5 TIMES THE DRIPLINE RADIUS, AND ARE LOCATED PREDOMINANTLY IN THE TOP 300M OF SOIL. AS THIS AREA IS NOT PROTECTED, ACTIVITY SHOULD BE KEPT TO A MINIMUM TO PREVENT ROOT DAMAGE AND SOIL COMPACTION. WHERE ROOT SYSTEMS OF TREES ARE EXPOSED OR DAMAGED BY CONSTRUCTION WORK, THE CITY MUST BE ADVISED FIRST BEFORE THE ROOTS ARE TRIMMED NEATLY AND THE AREA BACK-FILLED WITH TOPSOIL.
- EQUIPMENT SHALL NOT COMPACT SOIL OVER THE ROOT ZONE OF EXISTING TREES. TO AVOID DAMAGE TO TREES THAT AREA TO BE PROTECTED, ACCESS ROUTES MUST BE ESTABLISHED AWAY FROM PROTECTED AREAS. ALL ACCESS ROUTES REGARDLESS OF HOW TEMPORARY, MUST BE IDENTIFIED AND APPROVED BY THE CITY.
- WRITTEN PERMISSION MUST BE OBTAINED FROM THE CITY PRIOR TO COMMENCING WORK SUCH AS TUNNELING, TORPEDGING, DIGGING OR TRENCHING WITHIN THE DRIPLINE OF ANY TREE TO MINIMIZE ROOT INJURY AND AVOID SOIL COMPACTION.
- WHEREVER POSSIBLE AVOID CUTTING SURFACE ROOTS. DURING EXCAVATION IF ROOT CUTS ARE NECESSARY, IT SHOULD BE DONE QUICKLY, MAKING FLUSH CUTS WHILE SUPERVISED BY AN INSPECTING CITY FORESTRY REPRESENTATIVE. THE ROOTS SHALL BE BACKFILLED AND WATERED BEFORE THEY HAVE A CHANCE TO DRY OUT. WHERE ROOTS REQUIRE REMOVAL, THERE MAY BE A SUBSEQUENT DECLINE WITHIN THE TREE CANOPY. BRANCHES SHOULD ONLY BE REMOVED IF DIEBACK OCCURS.
- WHERE LIMBS OR PORTIONS OF TREES ARE DAMAGED OR MUST BE REMOVED FROM CITY OWNED TREES TO ACCOMMODATE CONSTRUCTION WORK, CITY FORESTRY PERSONNEL, IN ACCORDANCE WITH ACCEPTED ARBORICULTURE PRACTICES, WILL REMOVE THEM. MEASURES SHALL BE TAKEN TO PREVENT ANY FURTHER DAMAGE.
- UNLESS AUTHORIZED, ALL INDIVIDUALS SHALL AVOID DISTURBING ORIGINAL GRADES AROUND TREES IN AREAS OF THE TREE PROTECTION ZONE. IN ADDITION, ROAD GRADES SHOULD MATCH TOPOGRAPHY AT THE CURB LINES TO MAXIMIZE TREE RETENTION IN BOULEVARD AND FRONT YARDS. IF GRADES AROUND PROTECTED TREES ARE LIKELY TO CHANGE, THE DEVELOPER AND THEIR AGENTS SHALL BE REQUIRED TO TAKE SUCH PRECAUTIONS AS DRY WELLING, RETAINING WALLS AND ROOT FEEDING TO THE SATISFACTION OF THE CITY.
- NO CABLES, ROPES SHALL BE WRAPPED AROUND OR INSTALLED IN OR ON ANY TREE THAT IS TO REMAIN AFTER CONSTRUCTION. NOR SHALL IT HAVE SIGNS OR FENCES NAILED TO IT, OR SURVEY MARKINGS OR PAINT APPLIED TO IT.
- ALL VEGETATION WITHIN THE TREE PROTECTION ZONE, INCLUDING TREES, SHRUBS, GRASSES ARE TO BE WATERED, AND MAINTAINED TO AN ACCEPTABLE LEVEL AS REQUIRED.
- THE CITY SHALL BE NOTIFIED TO INSPECT ALL TREE PROTECTION ZONES. THESE MEASURES SHALL REMAIN IN EFFECT UNTIL THE COMPLETION OF THE WORK, AT WHICH TIME AUTHORIZATION FROM THE CITY MUST BE OBTAINED BEFORE REMOVAL.
- THE CITY MUST BE NOTIFIED IMMEDIATELY WHEN ANY MUNICIPALLY OWNED TREE IS INJURED OR DESTROYED DURING CONSTRUCTION OR DEVELOPMENT.

1 TREE PRESERVATION FENCING
L-1 N.T.S



REGIONAL DESIGN OF WATER &/OR WASTEWATER SERVICES APPROVED SUBJECT TO DETAIL CONSTRUCTION CONFORMING TO HALTON REGION STANDARDS & SPECIFICATIONS & LOCATION APPROVAL FROM LOCAL MUNICIPALITY.

LEGISLATIVE AND PLANNING SERVICES

DATE: _____

LEGEND

- EX. DECIDUOUS TREE TO REMAIN
- EX. DECIDUOUS TREE TO BE REMOVED
- EX. CONIFEROUS TREE TO BE REMOVED
- TEMPORARY TREE PROTECTION FENCING D1 ON L-1

| No. | DATE | BY | REVISIONS |
|-----|------------|----|---|
| 5 | 2019-04-25 | ZB | RE-SUBMITTED FOR PLAN OF SUBDIVISION & ZBLA APPLICATION |
| 4 | 2018-12-08 | ZB | RE-SUBMITTED FOR PLAN OF SUBDIVISION & ZBLA APPLICATION |
| 3 | 2018-09-27 | ZB | RE-SUBMITTED FOR PLAN OF SUBDIVISION & ZBLA APPLICATION |
| 2 | 2018-08-08 | ZB | RE-SUBMITTED FOR PLAN OF SUBDIVISION & ZBLA APPLICATION |
| 1 | 2018-05-15 | ZB | SUBMITTED FOR PLAN OF SUBDIVISION & ZBLA APPLICATION |

DESIGN: D. MIS CHECKED: _____ DATE: MAY 2017

SCALE: 1:300

APPROVALS STAMP

MUNICIPAL EXECUTIVE DIRECTOR OF CAPITAL WORKS

DATE: _____

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REGIONAL MUNICIPALITY OF HALTON

CITY OF **Burlington**

5209 STONEHAVEN DRIVE
MANTELLA CORPORATION

VEGETATION MANAGEMENT PLAN

| | |
|-----------------------|----------------------------|
| MUNICIPAL DRAWING NO. | REGION OF HALTON FILE NO.: |
| 510-01/17 | 24T-17001/DB-1011 |
| MUNICIPAL FILE NO. | SHEET 17 OF 19 |