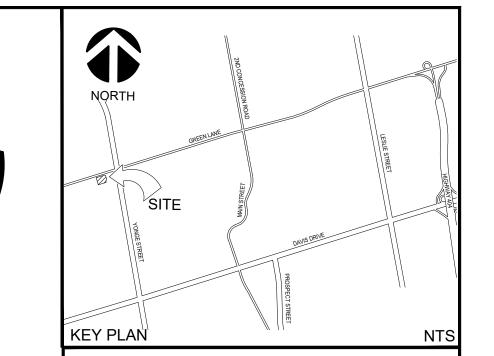


1 TREE PRESERVATION PLAN





T000 TREE INVENTORY NUMBER - TREE TO BE PRESERVED/RETAINED

TOOO TREE INVENTORY NUMBER - TREE TO BE PRESERVED WITH INJURY TO00 TREE INVENTORY NUMBER - TREE TO BE REMOVED

SURVEYED TREE LOCATION

INDIVIDUAL TREE TO BE PRESERVED WITH INJURY

INDIVIDUAL TREE TO BE REMOVED DUE TO PROPOSED CONSTRUCTION

TREE PROTECTION ZONE (TPZ) FOR TREE LOCATED WITHIN YORK REGIONAL ROAD ALLOWANCE APPROXIMATE DRIPLINE OF TREE CANOPY

ENCROACHMENT WITHIN THE

TREE PRESERVATION FENCE PROPERTY BOUNDARY

— — TREE INVENTORY BOUNDARY

ISSUED FOR SPA JD 2024-12-12 PM REVISIONS TO DRAWING ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED

TOWN OF NEWMARKET

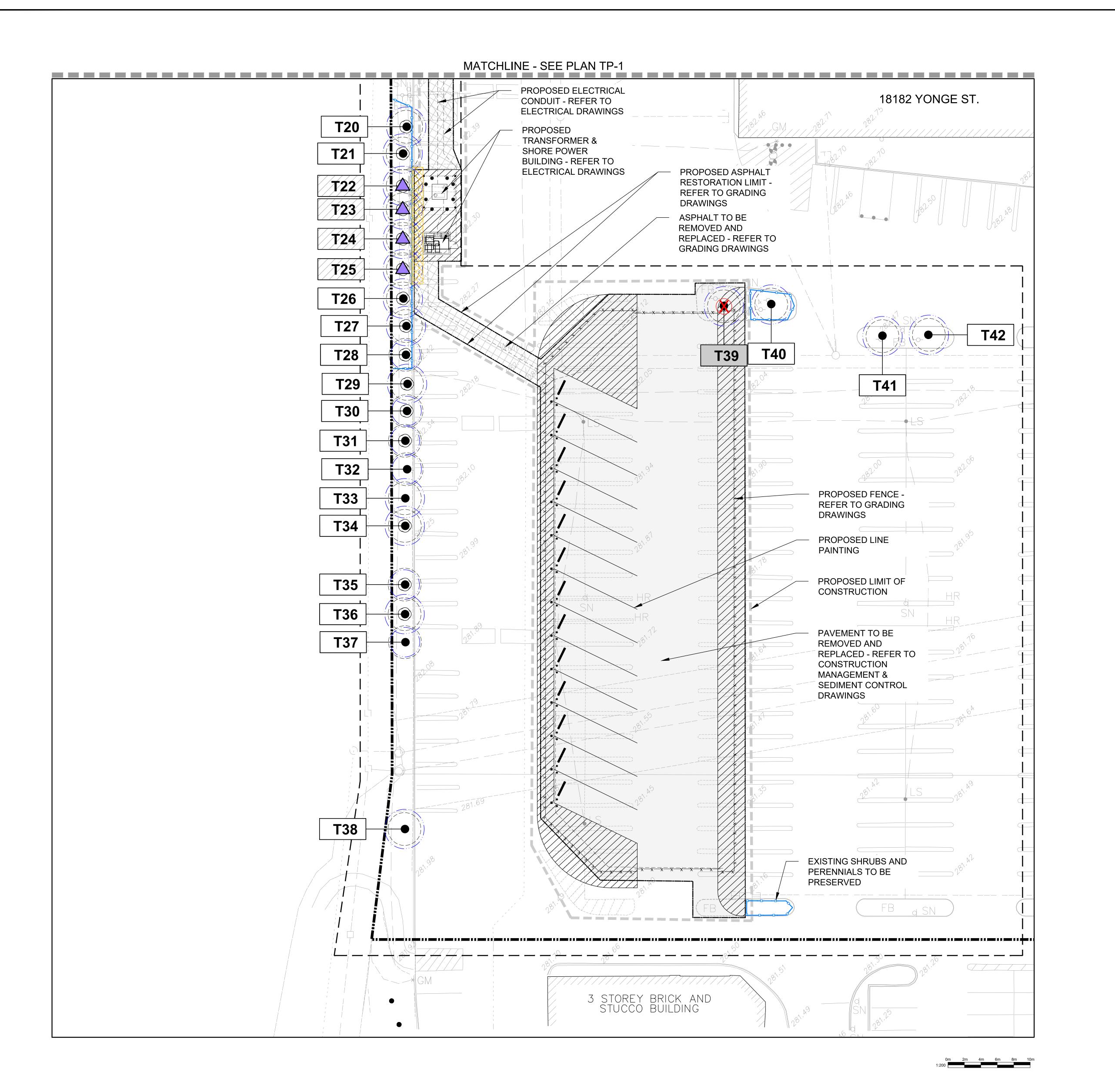
COSTCO **BUSINESS CENTRE** SHEET TITLE

TREE PRESERVATION PLAN

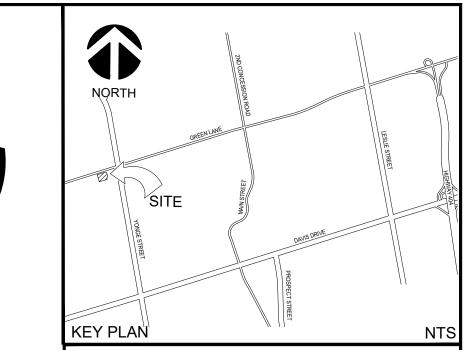


NOVEMBER 2024

211-07806-00-P01







T000 TREE INVENTORY NUMBER - TREE TO BE REMOVED

T000 TREE INVENTORY NUMBER - TREE TO BE PRESERVED/RETAINED TOOO TREE INVENTORY NUMBER - TREE TO BE PRESERVED WITH INJURY

SURVEYED TREE LOCATION

WITH INJURY

INDIVIDUAL TREE TO BE PRESERVED

INDIVIDUAL TREE TO BE REMOVED DUE TO PROPOSED CONSTRUCTION TREE PROTECTION ZONE (TPZ) FOR TREE LOCATED WITHIN YORK

REGIONAL ROAD ALLOWANCE APPROXIMATE DRIPLINE OF TREE CANOPY

TREE PRESERVATION FENCE

ENCROACHMENT WITHIN THE

PROPERTY BOUNDARY — — TREE INVENTORY BOUNDARY

ISSUED FOR SPA JD 2024-12-12 PM REVISIONS TO DRAWING

ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED

TOWN OF NEWMARKET

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TREE PRESERVATION PLAN

115])



NOVEMBER 2024 DWG. NUMBER

211-07806-00-P01

TREE PRESERVATION PLAN

1:200

| Tree #   | Botanical Name                                     | Common Name             | Qty | DBH (cm) | Tre | e Condit | ion      | Dripline<br>Radius (m) | Tree Location / Applicable By- | Address             | Tree Protection Zone | Recommendation                              | Comments - Removal / Preservation   |
|--|--|-------------------------|-----|----------|-----|----------|----------|------------------------|--------------------------------|---------------------|----------------------|---|---|
|  |  |                         |     |          | TI  | CS       | CV       | radius (iii)           | law                            |                     | 20110                |   |   |
| Costco Wholesale - 18182 Yonge St. Newmarket  Preserve - TPZ Encroachment w/ |  |                         |     |          |     |          |          |                        |                                |                     |                      |   |   |
| T1   | Picea pungens                                      | Blue Spruce Blue Spruce | 1   | 31       | G   | G        | G-F<br>G | 3.5                    | Private<br>Private             | 18182 Yongo St.     | 2.4                  | no Injury  Preserve - TPZ Encroachment w/   | Lower deadwood approx. 15%. Pruned from light pole.                           |
| T2   | Picea pungens                                      | Brue Spruce             | 1   | 31       | G   | G        | <u> </u> | 3.5                    | Private                        | 18182 Yonge St.     | 2.4                  | no Injury  Preserve - TPZ Encroachment w/   | Deadwood approx. 15-20%. Brown needles. Secondary,                            |
| Т3   | Picea pungens                                      | Blue Spruce             | 1   | 32       | G   | F        | F        | 3.5                    | Private                        | 18182 Yonge St.     | 2.4                  | no Injury                                   | smaller leader.   |
| Т4   | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 22       | G   | G        | G        | 3.0                    | Private                        | 18182 Yonge St.     | 2.4                  | Preserve - TPZ Encroachment w/<br>no Injury | Multi-stemmed at base.  |
| T5   | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 19       | G   | G        | G        | 3.0                    | Private                        | 18182 Yonge St.     | 2.4                  | Preserve - TPZ Encroachment w/<br>no Injury |   |
| Т6   | Acer rubrum  | Red Maple               | 1   | 5        | F   | F        | G        | 2.0                    | Private                        | 18182 Yonge St.     | 1.8                  | Preserve - TPZ Encroachment w/<br>no Injury | Injury at base. Witches Broom.  |
| Т7   | Acer rubrum  | Red Maple               | 1   | 5        | G   | F        | G        | 2.0                    | Private                        | 18182 Yonge St.     | 1.8                  | Preserve - TPZ Encroachment w/<br>no Injury | Witches Broom.  |
| Т8   | Acer rubrum  | Red Maple               | 1   | 5        | G-F | F        | G        | 2.0                    | Private                        | 18182 Yonge St.     | 1.8                  | Preserve - TPZ Encroachment w/<br>no Injury | Buried root flare.  |
| Т9   | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 17       | G   | G        | G        | 2.5                    | Private                        | 18182 Yonge St.     | 2.4                  | Preserve - TPZ Encroachment w/<br>no Injury |   |
| T10  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 18,15    | G   | G        | G        | 2.5                    | Private                        | 18182 Yonge St.     | 2.4                  | Preserve - TPZ Encroachment w/<br>no Injury |   |
| T11  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 22       | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 2.4                  | Preserve - TPZ Encroachment w/<br>no Injury |   |
| T12  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 7        | G   | G        | G        | 1.5                    | Private                        | 18182 Yonge St.     | 1.8                  | Remove                                      | Buried root flare.  |
| T13  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 7        | G   | G        | G        | 1.5                    | Private                        | 18182 Yonge St.     | 1.8                  | Remove                                      | Buried root flare.  |
| T14  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 6        | G   | G        | G        | 1.5                    | Private                        | 18182 Yonge St.     | 1.8                  | Remove                                      | Buried root flare.  |
| T15  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 6        | G   | G        | G        | 1.5                    | Private                        | 18182 Yonge St.     | 1.8                  | Remove                                      | Buried root flare.  |
| T16  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 22       | G   | G        | G        | 2.5                    | Private                        | 18182 Yonge St.     | 2.4                  | Preserve - TPZ Encroachment w/              |   |
| T17  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 15,10    | G   | G        | G        | 2.5                    | Private                        | 18182 Yonge St.     | 2.4                  | Preserve - TPZ Encroachment w/              |   |
| T18  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 19       | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 2.4                  | Preserve - TPZ Encroachment w/              |   |
| T19  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 19       | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 2.4                  | Preserve - TPZ Encroachment w/              |   |
| T20  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 15,11    | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 2.4                  | Preserve - TPZ Encroachment w/              | Multiple leaders.   |
| T21  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 16       | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 2.4                  | Preserve - TPZ Encroachment w/              | Deadwood approx. 10%  |
| T22  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 18       | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 2.4                  | no Injury  Preserve - With injury           | Injury will be mitigated through air-spade mitigation.                        |
| T23  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 16       | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 2.4                  | Preserve - With injury                      | Deadwood approx. 10%. Injury will be mitigated through                        |
| T24  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 10,8,8   | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 2.4                  | Preserve - With injury                      | air-spade mitigation.  Injury will be mitigated through air-spade mitigation. |
| T25  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 10,10    | G   | G        | G        | 2                      | Private                        | <br>18182 Yonge St. | 2.4                  | Preserve - With injury                      | Deadwood approx. 10%. Injury will be mitigated through                        |
| T26  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 12       | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 2.4                  | Preserve - TPZ Encroachment w/              | air-spade mitigation.  Deadwood approx. 5%                                    |
| T27  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 10,10,9  | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 2.4                  | no Injury  Preserve - TPZ Encroachment w/   |   |
| T28  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 9,8,8    | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 1.8                  | no Injury  Preserve                         | Full TPZ to be preserved.   |
| T29  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 12,10    | G   | G-F      | G        | 2                      | Private                        | 18182 Yonge St.     | 2.4                  | Retain                                      | Small broken limbs lower canopy.  |
| T30  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 9,7      | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 1.8                  | Retain                                      |   |
| T31  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 10       | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 1.8                  | Retain                                      | Lower canopy pruned from parking.   |
| T32  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 9,9,8    | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 1.8                  | Retain                                      | Lower canopy pruned from parking.   |
| T33  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 11,9,9   | G   | G        | G        | 2                      | Pri va te                      | 18182 Yonge St.     | 2.4                  | Retain                                      |   |
| T34  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 11       | G   | G        | G-F      | 2                      | Private                        | 18182 Yonge St.     | 2.4                  | Retain                                      | Deadwood approx. 15%. Canopy thinner than others.                             |
| T35  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 9,9,9    | G-F | G        | G        | 2                      | Pri va te                      | 18182 Yonge St.     | 1.8                  | Retain                                      | Injury lower trunk.   |
| T36  | Quercus robur 'fastigiata'                         | Columnar Oak            | 1   | 15,10    | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 2.4                  | Retain                                      | injuly lower dulik.   |
|  | Quercus robur 'fastigiata'                         |                         | 1   | 10       | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 1.8                  | Retain                                      | Pruned from parking.  |
| T38  | Acer rubrum  | Red Maple               | 1   | 13       | G-F | G        | F        | 2                      | Private                        | 18182 Yonge St.     | 2.4                  | Retain                                      | 20% deadwood. Decay at base.  |
|  |  | •                       | 1   |          |     |          |          | 2                      |                                |                     |                      |   |   |
| T39  | Gleditsia tricanthos                               | Honey Locust            | 1   | 13       | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 2.4                  | Remove                                      | Small injury mid-trunk.   |
| T40  | Gleditsia tricanthos                               | Honey Locust            | 1   | 12       | G   | G-F      |          | 2                      | Private                        | 18182 Yonge St.     | 2.4                  | Preserve                                    | Full TPZ to be preserved.   |
| T41  | Gleditsia tricanthos                               | Honey Locust            | 1   | 11       | G   | G        | G        | 2                      | Private                        | 18182 Yonge St.     | 2.4                  | Retain                                      | Root flare present  |
| Costco Who   | Gleditsia tricanthos  olesale - Green Lane West, N | Honey Locust            |     | 11       | G   | G        | G        |                        | Private                        | 18182 Yonge St.     | 2.4                  | Retain                                      | Root flare present.   |
| T43  | Acer tataricum                                     | Tatarian Maple          | 1   | 5        | G   | G        | G        | 1.5                    | Region                         | Green Ln. W         | 2.4                  | Preserve - With injury                      | Injury will be mitigated through air-spade mitigation.                        |
| T44  | Acer tataricum                                     | Tatarian Maple          | 1   | 6        | G   | G        | G        | 1.5                    | Region                         | Green Ln. W         | 2.4                  | Preserve - With injury                      | Injury will be mitigated through air-spade mitigation.                        |
| T45  | Acer tataricum                                     | Tatarian Maple          | 1   | 5        | G   | G        | G        | 1.5                    | Region                         | Green Ln. W         | 2.4                  | Preserve - With injury                      | Injury will be mitigated through air-spade mitigation.                        |

#### TREE PRESERVATION TABLE COLOUR LEGEND

TREE TO BE RETAINED TREE TO BE PRESERVED TREE TO BE PRESERVED - TPZ ENCROACHMENT WITH NO INJURY TREE TO BE PRESERVED - TPZ ENCROACHMENT WITH INJURY TREE TO BE REMOVED

#### TREE PRESERVATION TABLE LEGEND

#### Tree Assessment Criteria:

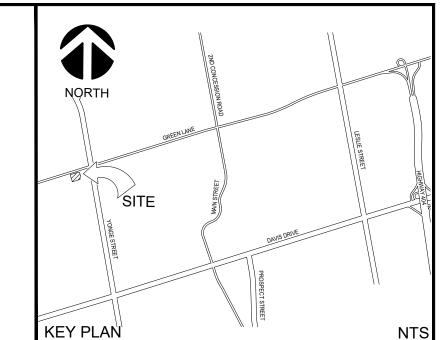
Trunk Integrity (T.I.): this is an assessment of the trunk for any defects or weaknesses .It is measured on a scale of poor, fair, good. Canopy Structure (C.S.): this is an assessment of the scaffold branches, unions and the canopy of the tree. This is measured on a scale of poor, fair, good. Canopy Vigour (C.V.): this is an assessment of the health of the tree and assess the amount of deadwood and the live growth in the crown as compared to a 100% healthy tree. the size, colour and amount of foliage are also considered in this category. This is measured on a scale of poor, fair,

#### Tree Condition:

- G: Good tree displays less than 15% deficiency / defect within the given tree assessment criteria (TI,CS,CV)
- F: Fair tree displays 15-50% deficiency / defect within the given tree assessment criteria
- P: Poor tree displays greater than 40% deficiency / defect within the given tree assessment criteria (TI,CS,CV)
- D: Dead tree displays 100% deficiency / defect within the canopy vigour tree assessment

#### Recommendation:

Retain: tree is in good condition and will not be impacted by construction / grading as the tree is more than 6m the limits of work. Remove: tree is either in poor condition or dead or will be significantly impacted by grading and construction limits and will not survive.



ISSUED FOR SPA JD 2024-12-12 PM REVISIONS TO DRAWING ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED

TOWN OF NEWMARKET

COSTCO **BUSINESS CENTRE** 

TREE PRESERVATION **TABLES** 





SCALE 1:200 DATE

PROJECT NUMBER

211-07806-00-P01 NOVEMBER 2024

## TREE PRESERVATION NOTES AND GUIDELINES

#### **GENERAL TREE PRESERVATION GUIDELINES:**

WORK WITHIN A TREE PROTECTION ZONE

- IF WORK MUST BE CONDUCTED WITHIN A TREE PROTECTION ZONE THE CONTRACTOR SHOULD
- MINIMIZE SOIL COMPACTION AND MECHANICAL ROOT DAMAGE BY UTILIZING ONE OF THE FOLLOWING 1. APPLYING 150-300mm OF MULCH TO AREA. UPON COMPLETION REMOVE EXCESS MULCH LEAVING
- A 100mm DEPTH LAYER OF MULCH. 2. LAYING 20mm THICK PLYWOOD OR 100X100mm WOOD BEAMS OVER A 100+MM THICK LAYER OF WOOD CHIP MULCH. UPON COMPLETION REMOVE PLYWOOD AND LEAVE MULCH LAYER IN PLACE.
- 3. APPLYING 100-150mm DEPTH OF GRAVEL OVER A TAUT, STAKED GEOTEXTILE FABRIC. UPON COMPLETION REMOVE GRAVEL AND GEOTEXTILE.
- 4. PLACING COMMERCIAL LOGGING OR ROAD MATS ON TOP OF A MULCH LAYER. UPON COMPLETION REMOVE MATS. STONE, GEOTEXTILE, AND MULCH EXCEEDING 100mm THICK WILL BE REMOVED FROM THE TREE PRESERVATION AREA ONCE THE THREAT OF SOIL OR ROOT DAMAGE HAS

#### TREE PROTECTION ZONE:

APPLIES TO TREES NOTED TO BE PRESERVED. THESE TREES ARE TO BE PRESERVED AND WILL HAVE SILT / TREE PROTECTION FENCING INSTALLED AT ALONG THE LIMIT OF GRADING / LIMIT OF WORK TO ESTABLISH THE TREE PROTECTION ZONE. ANY DAMAGE TO TREES SUCH AS BROKEN LIMBS, DAMAGE TO ROOTS, OR WOUNDS TO THE MAIN TRUNK OR STEM SYSTEMS ARE TO BE REPORTED TO THE CONSULTING ARBORIST SO THAT THE DAMAGE CAN BE ASSESSED IMMEDIATELY AND MITIGATION CAN BE PROMPTLY IMPLEMENTED. WITHIN A TREE PROTECTION ZONE THERE IS TO BE:

- NO CONSTRUCTION NO ALTERING OF GRADE BY ADDING FILL, EXCAVATING, TRENCHING, SCRAPING, DUMPING OR
- DISTURBANCE OF ANY KIND NO STORAGE OF CONSTRUCTION MATERIALS, EQUIPMENT, SOIL, CONSTRUCTION WASTE OR
- DEBRIS WITHIN THE DRIP LINE NO MOVEMENT OF VEHICLES OR EQUIPMENT NO PARKING OF VEHICLES OR MACHINERY
- NO DIGGING OR BORING
- NO RIGGING CABLES SHALL BE WRAPPED AROUND OR INSTALLED IN TREES NO CONTAMINANTS WILL BE PLACED OVER ROOT SYSTEM
- NO CONTAMINANTS WILL BE DUMPED OR FLUSHED WHERE FEEDER ROOTS OF TREES EXIST

#### TREE INJURY:

TYPICALLY TREE ROOTS EXTEND 1.5 TO 3 TIMES BEYOND THE DRIPLINE OF THE TREE AND ARE WITHIN THE TOP 150mm OF THE SOIL. TYPES OF DAMAGE FROM CONSTRUCTION INCLUDE:

- PHYSICAL INJURY SOIL COMPACTION
- SEVERING OF ROOTS SMOTHERING OF ROOTS
- SPLIT OR BROKEN BRANCHES EXCESSIVE PRUNING

SOIL COMPACTION REDUCES PORE SPACE AND OXYGEN AVAILABILITY TO THE ROOTS AND INCREASES CARBON DIOXIDE ACCUMULATION, RESTRICTS ROOT GROWTH AND THE ABILITY TO

ABSORB WATER AND NUTRIENTS, AS WELL AS IMPAIRS DRAINAGE. SMOTHERING OF ROOTS: 90% OF FINE ABSORBING ROOTS ARE WITHIN THE UPPER 150-300mm OF THE SOIL. SMOTHERING WITH THE ADDITION OF SOIL CAN KILL THE ROOTS AND STRESS THE TREE. PHYSICAL INJURY, SPLIT OR BROKEN BRANCHES HINDER THE TREES ABILITY TO COMPARTMENTALIZE

#### **ROOT PRUNING PRACTICES:**

(CLOSE) WOUNDS PROPERLY.

 DURING EXCAVATION OPERATIONS IN WHICH THE ROOT AREA IS AFFECTED. THE CONTRACTOR IS TO PRUNE ALL EXPOSED ROOTS CLEANLY. PRUNED ROOT ENDS ARE TO BE NEATLY AND SQUARELY TRIMMED AND THE AREA IS TO BE BACKFILLED WITH CLEAN NATIVE FILL AS SOON AS POSSIBLE TO PREVENT DESICCATION AND PROMOTE ROOT GROWTH. THE EXPOSED ROOTS SHOULD NOT BE ALLOWED TO DRY OUT, AND THE CONTRACTOR SHALL DISCUSS WATERING OF THE ROOTS WITH THE CONSULTING ARBORIST SO THAT THE ROOTS SHALL MAINTAIN OPTIMUM SOIL MOISTURE DURING CONSTRUCTION AND BACKFILLING OPERATIONS, YET SO NOT TO INTERFERE WITH CONSTRUCTION OPERATIONS. BACKFILLING MUST BE WITH CLEAN UNCONTAMINATED TOPSOIL FROM AN APPROVED SOURCE. TEXTURE MUST BE COARSER THAN EXISTING SOILS, AND TO COME INTO CLEAN CONTACT WITH EXISTING SOILS

 TREE ROOTS SHOULD NOT BE EXCAVATED WITHIN THE CRITICAL STRUCTURAL ROOTING AREA. THIS IS THE MINIMUM AREA OF THE ROOT SYSTEM NECESSARY TO MAINTAIN VITALITY OR STABILITY OF THE TREE. TYPICALLY THIS AREA EXTENDS TO THE DRIPLINE OF THE TREE. THE SEVERING OF ONE ROOT CAN CAUSE APPROXIMATELY 5-20% LOSS OF THE ROOT SYSTEM. A REDUCTION OF THIS AREA BY GREATER THAN 30% CAN POSE STABILITY CONCERNS FOR THE

• CUTS SHALL BE MADE WITH HAND PRUNING SHEARS, BY-PASS BLADE OR A PRUNING SAW. ANVIL TYPE PRUNERS SHALL NOT BE USED.

• A SLOW RELEASE FERTILIZER EG: BONE MEAL OR APPROVED EQUAL TO BE APPLIED TO TREES WHERE ROOT PRUNING OR ROOT DAMAGE HAS OCCURRED. APPLY PER MANUFACTURER'S RECOMMENDATIONS. ROOTS OVER 2.5cm DIAMETER THAT ARE TO BE CUT SHOULD BE PRUNED RATHER THAN LEFT TORN OR CRUSHED.

 AT THE COMMENCEMENT OF CONSTRUCTION AND THROUGHOUT THE DURATION OF CONSTRUCTION UP TO THE RESTORATION PHASE, PRUNE ROOTS CLEANLY USING ACCEPTABLE ARBORICULTURAL PRACTICES AND IMMEDIATELY BACKFILL WITH APPROPRIATE MATERIAL. THE FOLLOWING ARE GENERAL METHODS OF ROOT PRUNING TO BE UTILIZED WHEN GRADING / CONSTRUCTION WILL OCCUR WITHIN THE DRIPLINE OF TREES:

### TREE REMOVAL TIMING RESTRICTIONS

 TO REDUCE THE POSSIBILITY OF CONTRAVENTION OF THE MBCA, VEGETATION REMOVAL SHOULD BE SCHEDULED TO OCCUR OUTSIDE OF THE OVERALL BIRD NESTING SEASON OF MARCH 31 TO AUGUST 31. SOME BIRDS MAY NEST BEFORE AND AFTER THIS PEAK BIRD NESTING SEASON DUE TO ANNUAL SEASONAL FLUCTUATIONS.

## **UNDERGROUND SERVICING AND UTILITIES**

 PRIOR TO ANY EXCAVATION, TREE REMOVAL, OR TREE PLANTING, CONTRACTOR SHALL PROVIDE UTILITY STAKE-OUT. ANY DAMAGE TO

UTILITIES SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR FOR ALL REPAIRS AND ASSOCIATED COSTS.

## CONTRACTOR TO MAKE GOOD ALL DISTURBED AREAS.

## ARBORIST REPORT NOTE

 FOR A DETAILED DESCRIPTION OF TREE SPECIES, SIZE, CONDITION AND RECOMMENDATIONS REFER TO APPENDIX A: TREE PRESERVATION CHARTS IN THE ARBORIST REPORT PREPARED BY WSP CANADA INC., DATED: DECEMBER 12, 2024.

#### TPZ ENCROACHMENT MITIGATION MEASURES - AIR-SPADE / HYDRO-VACUUM EXCAVATION

WHERE EXCAVATION OR CONSTRUCTION ACTIVITIES WILL ENCROACH SIGNIFICANTLY INTO TREE

PROTECTION ZONES, AIR-SPADE / HYDRO-VACUUM EXCAVATION IS RECOMMENCED. PRIOR TO EXCAVATION AND CONSTRUCTION THIS MEASURE IS RECOMMENDED TO BE APPLIED AT 7 TREE

#### LOCATIONS AS LISTED BELOW: TREE #'S: T22, T23, T24, T25, T43, T44, T45

THE FOLLOWING METHODS MAY BE APPLIED WHEN UTILIZING AIR SPADE EXCAVATION: REFER TO TREE PRESERVATION TABLES IN ARBORIST REPORT. INSTALL TREE PROTECTION HOARDING AS SHOWN ON SHEETS TP-01 TP-08;

AIR SPADE / HYDRO-VACUUM EXCAVATION ON THE OUTSIDE OF TREE PROTECTION HOARDING:

 ENSURE THAT THE PRESSURE USED FROM THE AIR SPADE / HYDRO-VACUUM IS SUCH THAT IT WILL NOT DAMAGE ROOTS DURING EXCAVATION; AT THE LIMIT OF THE EXCAVATION FOR THE MULTI-USE TRAILS AND SIDEWALKS, ALONG THE EDGE

OF THE TREE PROTECTION FENCING, AIR-SPADE / HYDRO-VACUUM EXCAVATE TO A DEPTH OF 300MM AND AT A WIDTH OF 0.5M TO EXPOSE ROOTS SO THEY CAN EXAMINED BY A QUALIFIED TREE PROFESSIONAL AND/OR THE REGION;

 PRUNE ANY ROOTS 60MM IN DIAMETER OR SMALLER USING GOOD ARBORICULTURAL PRACTICES PER THE GUIDELINES IN THIS REPORT OR UNDER THE SUPERVISION OF A CERTIFIED ARBORIST:

 IF AN ABUNDANCE OF ROOTS IS ENCOUNTERED, RELOCATE EXCAVATION WHERE POSSIBLE; BACKFILL WITH EXCAVATED MATERIAL OR OTHER NATIVE SOIL IMMEDIATELY AFTER COMPLETION

OF AIR-SPADE / HYDRO-VACUUM EXCAVATION TO PREVENT ROOTS FROM DRYING OUT;

 WATER TREES PERIODICALLY DURING CONSTRUCTION; •• APPLY A LAYER OF 50MM DEPTH MULCH IN A 2M RADIUS AROUND THE TREES. IT IS RECOMMENDED THAT THIS MEASURE BE APPLIED WHILE A CERTIFIED ARBORIST IS PRESENT

## TREE COMPENSATION NOTES:

 TREE REPLACEMENT AND COMPENSATION MUST BE DESCRIBED IN THIS REPORT. ALL TREES OVER 20 CM, IF NOT. PRESERVED, WILL REQUIRE COMPENSATION IN THE FORM OF PLANTING OR CASH-IN-LIEU PAID TO THE TOWN. IF TREES ARE GOING TO BE TRANSPLANTED ON SITE THE COMPENSATION COULD BE REDUCED.

 SECURITIES WILL NEED TO BE CALCULATED FOR TREES ON MUNICIPAL LANDS AND TREES TO BE PRESERVED. THERE ARE NO TREES PROPOSED FOR REMOVAL THAT ARE OVER 20cm DBH

COMPENSATION IS NOT REQUIRED

## TREE REMOVAL CRITERIA

 ANY ENCROACHMENT RELATED TO CONSTRUCTION OR SITE DISTURBANCES WITHIN 1m OF THE TRUNK OF TREES OF ANY SIZE WILL REQUIRE THE REMOVAL OF THE TREE: TREES THAT ARE IN POOR CONDITION OR DEAD WILL BE RECOMMENDED TO BE REMOVED.

## TREE PROTECTION FENCING

- FOR TREES WITHIN THE REGIONAL ROAD ALLOWANCE OF GREEN LANE WEST. CONTACT YORK REGION FORESTRY, 48 HOURS IN ADVANCE OF INSTALLATION OF TREE PROTECTION
- FENCING TO ARRANGE FOR AN INSPECTION AFTER IT HAS BEEN INSTALLED. TREE PROTECTION FENCING FOR REGION TREES TO BE 1.2m HIGH ORANGE CONSTRUCTION
- FENCE ATTACHED TO A 2"x4" WOOD FRAME AS PER THE DETAIL ON THIS SHEET. • TREE PROTECTION FENCING FOR TREES WITHIN THE SUBJECT PROPERTY TO CONSIST OF
- REFER TO DETAILS NHF-400 TO NHF-405.

#### **BRANCH PRUNING PRACTICES:**

- ALL DAMAGED OR BROKEN LIMBS DURING THE COURSE OF CONSTRUCTION SHALL BE PRUNED CLEANLY. UTILIZING BY-PASS SECATEURS IN ACCORDANCE WITH APPROVED HORTICULTURAL PRACTICES. SHOULD THERE BE A POTENTIAL RISK OF TRANSFER OF DISEASE FROM INFECTED TO NON-INFECTED TREES. TOOLS MUST BE DISINFECTED AFTER PRUNING EACH TREE BY DIPPING IN METHYL HYDRATE.
- ALL PRUNING CUTS SHALL BE MADE AT A GROWING POINT SUCH AS A BUD, TWIG OR BRANCH. CUT JUST OUTSIDE THE BRANCH COLLAR (THE SWOLLEN AREA AT THE BASE OF THE BRANCH THAT SOMETIMES HAS A BARK RIDGE), AND PERPENDICULAR TO THE BRANCH BEING PRUNED RATHER THAN AS CLOSE TO THE TRUNK AS POSSIBLE. THIS MINIMIZES THE SITE OF THE WOUND. NO STUBS SHOULD BE LEFT. POOR CUT LOCATION, POOR CUT ANGLE AND TORN CUTS ARE NOT ACCEPTABLE.
- PRUNING SHOULD BE LIMITED TO THE REMOVAL OF NO MORE THAN 25% OF THE TOTAL BUD AND LEAF BEARING
- BRANCHES. PRUNING SHOULD INCLUDE THE CAREFUL REMOVAL OF - DEADWOOD, BRANCHES THAT ARE WEAK, DAMAGED, DISEASED OR WHICH WILL INTERFERE WITH CONSTRUCTION

• IF EXTENSIVE PRUNING (OVER 25% OF CANOPY) IS REQUIRED, PRUNING SHALL BE COMPLETED BEFORE PLANTS

- ACTIVITY SECONDARY LEADERS OF CONIFERS,
- TRUNK AND ROOT SUCKERS, TRUNK WATERSPOUTS, AND
- TIGHT V-SHAPED OR WEAK CROTCHES (INCLUDED UNIONS).
- THE CONTRACTOR MUST IMMEDIATELY REPORT ANY DAMAGE TO TREES SUCH AS BROKEN LIMBS, DAMAGE TO ROOTS, OR WOUNDS TO THE MAIN TRUNK OR STEM SYSTEMS TO THE CONSULTING ARBORIST SO THAT THE DAMAGE CAN BE ASSESSED IMMEDIATELY.
- THE TREE PROTECTION FENCING WILL BE MAINTAINED UNTIL ALL CONSTRUCTION IS COMPLETED, SOILS ARE STABILIZED, AND ALL OF THE EQUIPMENT HAS BEEN REMOVED FROM THE SITE.
- ANY BRANCHES THAT OVERHANG THE WORK AREA AND REQUIRE PRUNING SHALL BE PRUNED USING GOOD ARBORICULTURAL PRACTICES UTILIZING BY-PASS SECATEURS IN ACCORDANCE WITH APPROVED HORTICULTURAL PRACTICES AND/OR AMERICAN NATIONAL STANDARD (ANSI) A300 (PART 1) - 2008 PRUNING

## TPZ ENCROACHMENT MITIGATION MEASURES - AIR-SPADE /

**HYDRO-VACUUM EXCAVATION** IN INSTANCES WHERE EXCAVATION OR CONSTRUCTION ACTIVITIES WILL ENCROACH INTO TREE PROTECTION ZONES, AIR-SPADE / HYDRO-VACUUM EXCAVATION IS RECOMMENDED IN SELECT LOCATIONS WHERE ANTICIPATED IMPACTS MAY BE SEVERE. PRIOR TO EXCAVATION AND CONSTRUCTION THIS MEASURE IS RECOMMENDED TO BE APPLIED AT 7

- INSTALL TREE PROTECTION HOARDING AS SHOWN ON PLAN; • AT THE LIMIT OF EXCAVATION FOR THE MUP, AIR-SPADE / HYDRO-VACUUM EXCAVATE TO A WIDTH OF 0.5m AND TO
- A DEPTH OF 300mm TO EXPOSE ROOTS SO THEY CAN BE PRUNED; AIR SPADE / HYDRO-VACUUM EXCAVATE ON THE OUTSIDE OF THE TREE PROTECTION HOARDING LIMIT; • ENSURE THAT THE AIR / WATER PRESSURE USED IS SUCH THAT IT WILL NOT DAMAGE ROOTS DURING EXCAVATION;
- PRUNE ROOTS IN ACCORDANCE WITH THE NOTES ON THIS SHEET OR UNDER THE SUPERVISION OF A CERTIFIED
- TEMPORARILY BACKFILL WITH EXCAVATED MATERIAL UNTIL CONSTRUCTION COMMENCES, TO PROTECT ROOTS FROM DRYING OUT
- WATER TREES PERIODICALLY DURING CONSTRUCTION; • AT THE COMPLETION OF CONSTRUCTION, APPLY 50mm DEPTH SHREDDED BARK MULCH IN A MINIMUM 2m RADIUS
- AROUND THE TREE (MAY VARY DEPENDING ON TREE LOCATION); • IT IS RECOMMENDED THAT ROOT PRUNING WITH AN AIR-SPADE OR HYDRO-VACUUM BE PERFORMED WHILE A

#### TREE PROTECTION ZONE (TPZ):

CERTIFIED ARBORIST IS PRESENT

TREE LOCATIONS: T22, T23, T24, T25, T43, T44, T45

#### See table below for examples of how to calculate the minimum Tree Protection Zone.

| Tree Trunk Diameter (DBH) | Minimum Tree Protection Zone (TPZ) |
|---------------------------|------------------------------------|
| Less than 10 cm           | 1.8 m                              |
| 11 to 40 cm               | 2.4 m                              |
| 41 to 50 cm               | 3.0 m                              |
| 51 to 60 cm               | 3.6 m                              |
| 61 to 70 cm               | 4.2 m                              |
| 71 to 80 cm               | 4.8 m                              |
| 81 to 90 cm               | 5.4 m                              |
| 91 to 100 cm              | 6.0 m                              |
| Greater than 100 cm       | 60 m + 10 cm per 1cm DBH           |

- IF PRUNING IS REQUIRED, IT MUST BE DONE BY AN ISA OR MTCU CETIFIED ARBORIST NO DUMPING OF MATERIALS
- DO NOT STORE EQUIPMENT OR MATERIALS WITHIN TPZ DO NOT USE THE TPZ TO STORE TEMPORARY FILLING MATERIALS
- FENCING MUST BE MAINTAINED THROUGHOUT THE CONSTRUCTION PROCESS NO DUMPING OF MACHINES OR MATERIALS WITHIN THE TPZ

## REGION OF YORK NOTES AND GUIDELINES

## TREE PROTECTION ZONE (TPZ)

- THE TPZ IS THE AREA AROUND AN EXISTING TREE WHERE TREE PROTECTION MEASURES MUST BE IMPLEMENTED IF SITE DISTURBANCE IS PLANNED WITHIN THE AREA OR IF AN ENCROACHMENT OF ANY FORM WILL OCCUR WITHIN THIS AREA. THE INTENT OF THE TPZ IS TO PREVENT OR MITIGATE ADVERSE
- UNLESS APPROVED BY THE REGION AND OR MITIGATED THROUGH IMPLEMENTATION OF SPECIFIED TREE PROTECTION MEASURES, THE FOLLOWING ACTIVITIES SHALL BE STRICTLY PROHIBITED WITHIN
- THE TPZ PRIOR TO, DURING AND FOLLOWING CONSTRUCTION / DISTURBANCE ACTIVITIES: •• INSTALLATION OR ATTACHMENT OF ANY ITEMS TO THE TREE;
- •• OPERATION OF EQUIPMENT OR MACHINERY; •• STORAGE OF EQUIPMENT, MACHINERY OR MATERIALS;
- •• ACCESS BY ANY PERSONNEL; •• PLACEMENT OF TRAILERS, TEMPORARY BUILDINGS OR STRUCTURES; •• FLUSHING, STORAGE OR DUMPING OF FUELS, CHEMICALS OR OTHER CONTAMINANTS;
- STOCKPILING OF SOIL DIGGING, TRENCHING OR EXCAVATION; •• CHANGE TO EXISTING GRADE
- VERTICAL TREE HOARDING TO BE INSTALLED AT THE OUTER LIMIT OF THE MINIMUM REQUIRED TPZ FOR EACH TREE TO BE PRESERVED AND SHALL ENCLOSE THE ENTIRE TPZ. HOARDING IS TO BE INSTALLED PRIOR TO THE COMMENCEMENT OF DISTURBANCE, INCLUDING TREE
- REMOVALS. WORKS SHALL NOT COMMENCE UNTIL THE INSTALLATION OF ALL TPZ BARRIERS HAS BEEN COMPLETED AND HAS BEEN VERIFIED AND APPROVED BY THE REGION OR ITS DESIGNATE. TPZ HOARDING SHALL NOT BE MOVED, MODIFIED, OR RELOCATED AT ANY TIME WITHOUT THE APPROVAL OF THE REGION OR ITS DESIGNATE. TPZ BARRIERS SHALL BE INSPECTED BY A QUALIFIED TREE PROFESSIONAL, OR A PERSON DESIGNATED TO DO SO BY THE REGION ONCE WEEKLY OR ON A SCHEDULE APPROVED BY THE REGION OR ITS DESIGNATE. ANY TPZ BARRIERS FOUND TO BE IN

SUBSTANDARD CONDITION SHALL BE REPAIRED, MODIFIED, OR REPLACED AS NECESSARY WITHIN 48

HOURS OF RECEIVING NOTIFICATION TO DO SO. SIGNAGE, AS SPECIFIED IN NHF-401, SHALL BE INSTALLED ON AT LEAST TWO SIDES OF THE TPZ BARRIER AND/OR EVERY 10M ON CONTIGUOUS TPZ BARRIERS.

## TREE PRESERVATION ZONES

THE FOLLOWING TABLE ILLUSTRATES THE REQUIRED TREE PROTECTION ZONES REQUIRED FOR TREES WITHIN REGION OF YORK PROPERTY

| TRUNK DIAMETER | MINIMUM PROTECTION DISTANCES<br>REQUIRED FOR STREET TREES | EXAMPLE                    |
|----------------|---|----------------------------|
| <24cm          | 2.4m  | 2.4m                       |
| >25cm          | DBH (cm) X 10 / 100 = TPZ                                 | 43cm x 10 / 100 = 4.3m TPZ |

## \*YORK REGION (2016). STREET TREE AND FOREST PRESERVATION GUIDELINES,

## ROOT ZONE COMPACTION PROTECTION

WHEREVER COMPACTION IS PROBABLE WITHIN A TREE'S TPZ, ROOT ZONE COMPACTION PROTECTION MUST BE INSTALLED. ROOT COMPACTION OCCURS WHEN AT-GRADE WORKS RELATED TO CONSTRUCTION MAY OCCUR. THIS INCLUDES BUT IS NOT LIMITED TO: PEDESTRIAN OR EQUIPMENT TRAFFIC, ACCESS, STORAGE, OR STAGING AREAS. DEPENDING ON THE INTENSITY OF ENCROACHMENT, ROOT ZONE PROTECTION MUST BE IN PLACE AS DETAILED IN YORK REGION'S NHF-404 DETAIL:

- LIGHT (NON-VEHICULAR) •• INSTALL PERMEABLE GEOTEXTILE WITH 150MM OF WOOD CHIP MULCH OVER TOP: •• 3/4" PLYWOOD MAY BE NECESSARY TO FACILITATE MOVEMENT OVERTOP MULCH.
- MODERATE (FREQUENT NON-VEHICULAR OR LIGHT VEHICLE) •• INSTALL PERMEABLE GEOTEXTILE WITH 200MM OF WOOD CHIP MULCH OVERTOP: •• INSTALL 3/4" PLYWOOD OVER MULCH.
- HEAVY (VEHICLE ACCESS OR SIMILAR IMPACTS) •• INSTALL STAKED-DOWN PERMEABLE GEOTEXTILE WITH 100MM OF CLEAR STONE OVERTOP; •• INSTALL PERMEABLE GEOTEXTILE OVER STONE LAYER WITH 150MM OF WOOD CHIP MULCH
- •• INSTALL ¾" PLYWOOD OR STEEL PLATE OVER MULCH.
- TREE PROTECTION ZONE ENCROACHMENT / REDUCTION ENCROACHMENTS INTO THE TPZ ARE DEFINED AS ENTRY BY PERSONEL. MACHINERY.
- EQUIPMENT OR MATERIALS INTO THE TPZ WHETHER THE TPZ IS PROTECTED OR NOT. • ENCROACHMENTS INCLUDE BUT ARE NOT LIMITED TO: EXCAVATION, GRADE CHANGE, STORAGE, STAGING, OR TRANSIT THAT HAVE THE POTENTIAL TO CAUSE ADVERSE IMPACTS TO THE TREE;
- EXCAVATION (SEE NOTES ON THIS SHEET). TREE PROTECTION ZONE ENCROACHMENTS AND TREE ID'S HAVE BEEN IDENTIFIED ON PLANS AND IN THE 'TREE PROTECTION FOR AREAS TO BE SODDED /GRADED' SECTION.

ENCROACHMENTS ARE TO BE REDUCED BY THE IMPLEMENTATION OF MITIGATIVE MEASURES

SUCH AS ROOT AND BRANCH PRUNING (SEE NOTES ON THIS SHEET) AND HYDRO-VACUUM

# REGION OF YORK NOTES AND GUIDELINES

WHERE A TPZ ENCROACHMENT OCCURS AND THERE IS REASONABLE POSSIBILITY OF ACCIDENTAL IMPACT ON THE MAIN STEM OR SCAFFOLD BRANCHES OF A TREE. TREE STEM PROTECTION MUST BE INSTALLED. TREE STEM PROTECTION IS NOT AN ALTERNATIVE TO TPZ FENCING AND ARE ONLY TO BE USED WHEN NO OTHER ALTERNATIVES ARE AVAILABLE. TREE STEM PROTECTION MUST BE INSTALLED AS FOLLOWS (REFER TO YORK REGION'S STANDARD

- (8') AND MUST BE CLAD WITH 2X4S TO A MINIMUM HEIGHT OF 2.4M (8'), SECURED WITH WIRE; •• ALTERNATIVE MATERIALS, SUCH AS PLYWOOD ON A 2X4 FRAME, MAY BE APPROVED BY THE
- SIMILAR PROTECTION OF SIGNIFICANT SCAFFOLD LIMBS MAY BE REQUIRED BY THE REGION. IF REQUIRED, SUCH PROTECTION SHALL ONLY BE INSTALLED BY AN ISA CERTIFIED ARBORIST OR AN ONTARIO COLLEGE OF TRADES 444A ARBORIST OR ARBORIST APPRENTICE. TREE STEM PROTECTION

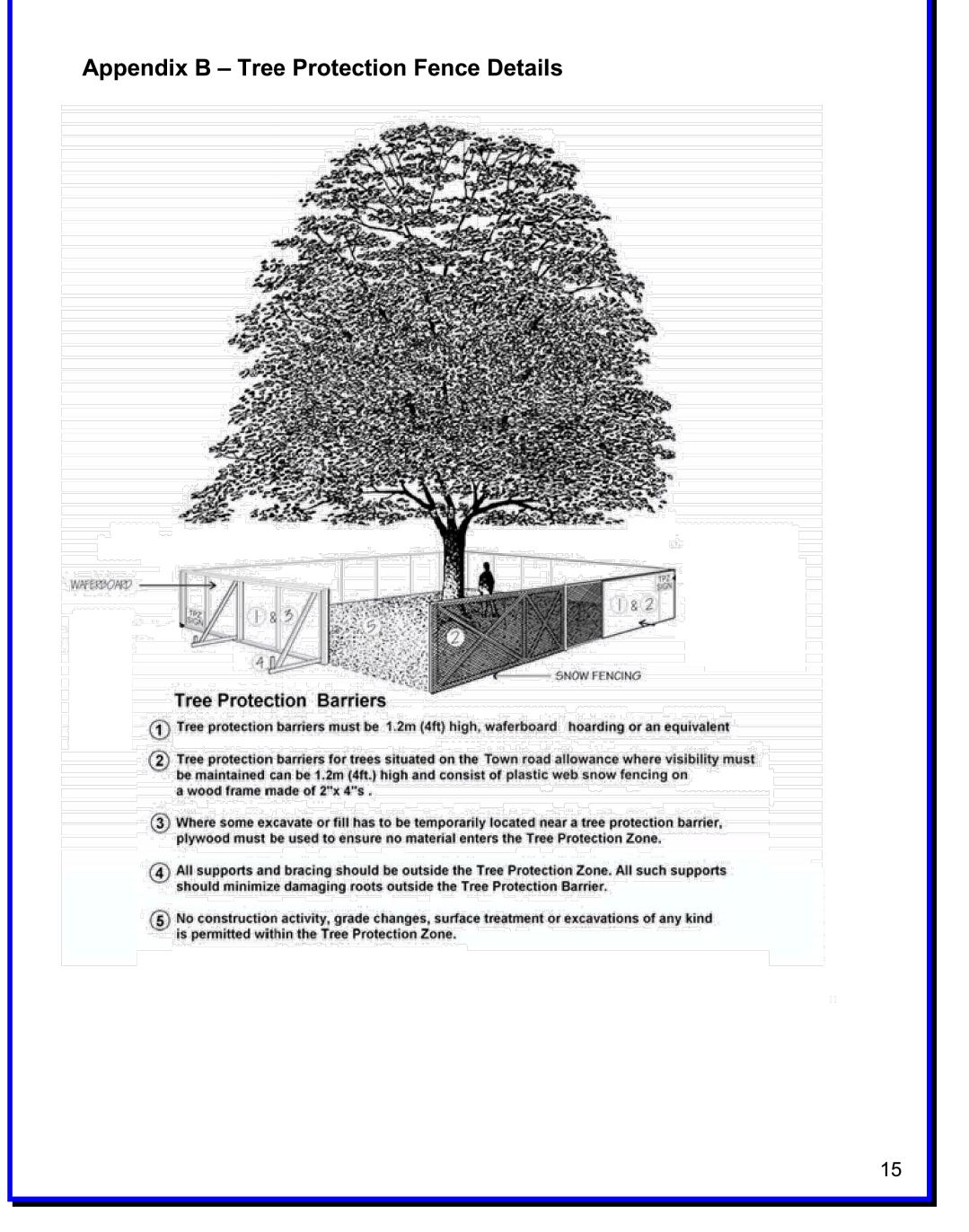
WHERE SEDIMENT CONTROL MEASURES ARE REQUIRED TO PROTECT REGION TREES FROM SEDIMENT DEBRIS, BARRIERS MUST CONFORM TO YORK REGION'S STANDARDS AND PRACTICES. WHERE SILTATION FENCING IS PROPOSED, IT MUST BE INSTALLED ALONG THE OUTSIDE EDGE OF THE TPZ FENCING AND MUST BE INSTALLED USING A 'NO-DIG' METHOD. • IF SILT FENCING HAS BEEN PROPOSED, CONTACT YORK REGION FOR THE MOST CURRENT ACCEPTABLE STANDARDS.

EARTHWORK.

- ALL TREE PRESERVATION SHALL BE IN ACCORDANCE WITH THE YORK REGION STREET TREE AND FOREST PRESERVATION GUIDELINES YORK REGION NHF SHALL BE NOTIFIED WHEN TREE PROTECTION MEASURES HAVE BEEN
- ALL TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO CONSTRUCTION AND MUST
- HEALTH PRIOR TO FINAL ACCEPTANCE SHALL BE REPLACED OR COMPENSATION SHALL BE MIGRATORY BIRD WINDOW IS MARCH 31 TO AUGUST 31. THE CONTRACTOR SHALL NOT REMOVE ANY TREES WITHIN THIS PERIOD WITHOUT THE CONSENT OF THE CONTRACT ADMINISTRATOR.
- DEVELOP SPECIFICATIONS WITH THE ASSISTANCE OF THE REGIONAL FORESTER
- A TREE INSPECTION MUST BE MADE BEFORE CUTTING ANY ROOTS CLEARLY MARK WITH SURVEY TAPE THE CLEARING LIMITS OF THE CONSTRUCTION SITE SHOWN ON THE LAYOUT, REMOVAL AND TREE PRESERVATION PLANS PRIOR TO BEGINNING ANY
- AREAS OUTSIDE OF THE CONSTRUCTION SITE. OFTEN TREE PROTECTION FENCING IS TREE PROTECTION BARRIERS SHALL BE USED IN HIGHLY SENSITIVE AREAS OR AS REQUESTED.

DURING CONSTRUCTION, MAINTAIN THE MARKED CLEARING LIMITS AND DO NOT DISTURB THE

- THE TREE PROTECTION BARRIER SHALL NOT BE MOVED AT ANY TIME DURING CONSTRUCTION UNLESS WITH THE OVERSIGHT OF A QUALIFIED TREE PROFESSIONAL;
- AFTER THE COMPLETION OF CONSTRUCTION, SOIL COMPACTION AND RESTORATION PROVISIONS SHALL BE FOLLOWED WHEN DEEMED NECESSARY BY YORK REGION NATURAL



## TREE STEM PROTECTION

- DRAWING NHF-405: • ENTIRE MAIN STEM MUST BE TIGHTLY TRIPLE-WRAPPED IN BURLAP TO A MINIMUM HEIGHT OF 2.4M
- •• STEM PROTECTION GREATER THAN THE MINIMUM 2.4M (8') HEIGHT MAY BE REQUIRED BY THE REGION OR ITS DESIGNATE.

## YORK REGION TREE PRESERVATION NOTES

FROM THE NATURAL HERITAGE AND FORESTRY GROUP.

FOREST PRESERVATION GUIDELINES:

HERITAGE AND FORESTRY STAFF.

TREES LOCATED ON THE REGIONAL ROAD ALLOWANCE TO BE PRESERVED SHALL CONFORM TO THE

- REMAIN IN GOOD REPAIR FOR THE DURATION OF CONSTRUCTION AT THE SOLE DISCRETION OF YR NHF ANY EXISTING TREES THAT DIE OR EXHIBIT A DECLINE IN
- ANY/ALL TREE CUTTING MUST BE APPROVED IN WRITING BY A QUALIFIED AVIAN BIOLOGIST
- CONTACT THE YORK REGION NATURAL HERITAGE AND FORESTRY GROUP AT 1-877-464-9675 PRIOR TO ANY EXCAVATION ADJACENT TO TREES

WHEN WORK WITHIN A TPZ HAS BEEN DEEMED APPROPRIATE BY YORK REGION, THE FOLLOWING NOTES ARE TO BE INCLUDED ON ALL TREE PRESERVATION PLANS; WORK REQUIRED TO OCCUR WITHIN A TREE PROTECTION ZONE (TPZ) SHALL CONFORM TO THE FOLLOWING REQUIREMENTS: ALL TREE PRESERVATION SHALL BE IN ACCORDANCE WITH YORK REGION'S STREET TREE AND

- A QUALIFIED TREE PROFESSIONAL MUST BE PRESENT FOR ALL WORK WITHIN THE IDENTIFIED YORK REGION NATURAL HERITAGE AND FORESTRY STAFF SHALL BE NOTIFIED WITH 24HRS NOTICE PRIOR TO WORKING WITHIN THE TP7'S:
- ROOT ZONE COMPACTION PROTECTION PROVISIONS MUST BE FOLLOWED: ROOT SENSITIVE EXCAVATION PROVISIONS MUST BE FOLLOWED;

SITE KEY PLAN ISSUED FOR SPA PROJECT TITLE COSTCO

JD | 2024-12-12 | PM REVISIONS TO DRAWING BY DATE APP ALL PREVIOUS ISSUES OF THIS DRAWING ARE SUPERSEDED

TOWN OF NEWMARKET

**BUSINESS CENTRE** TREE PRESERVATION

**DETAILS & NOTES** 





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