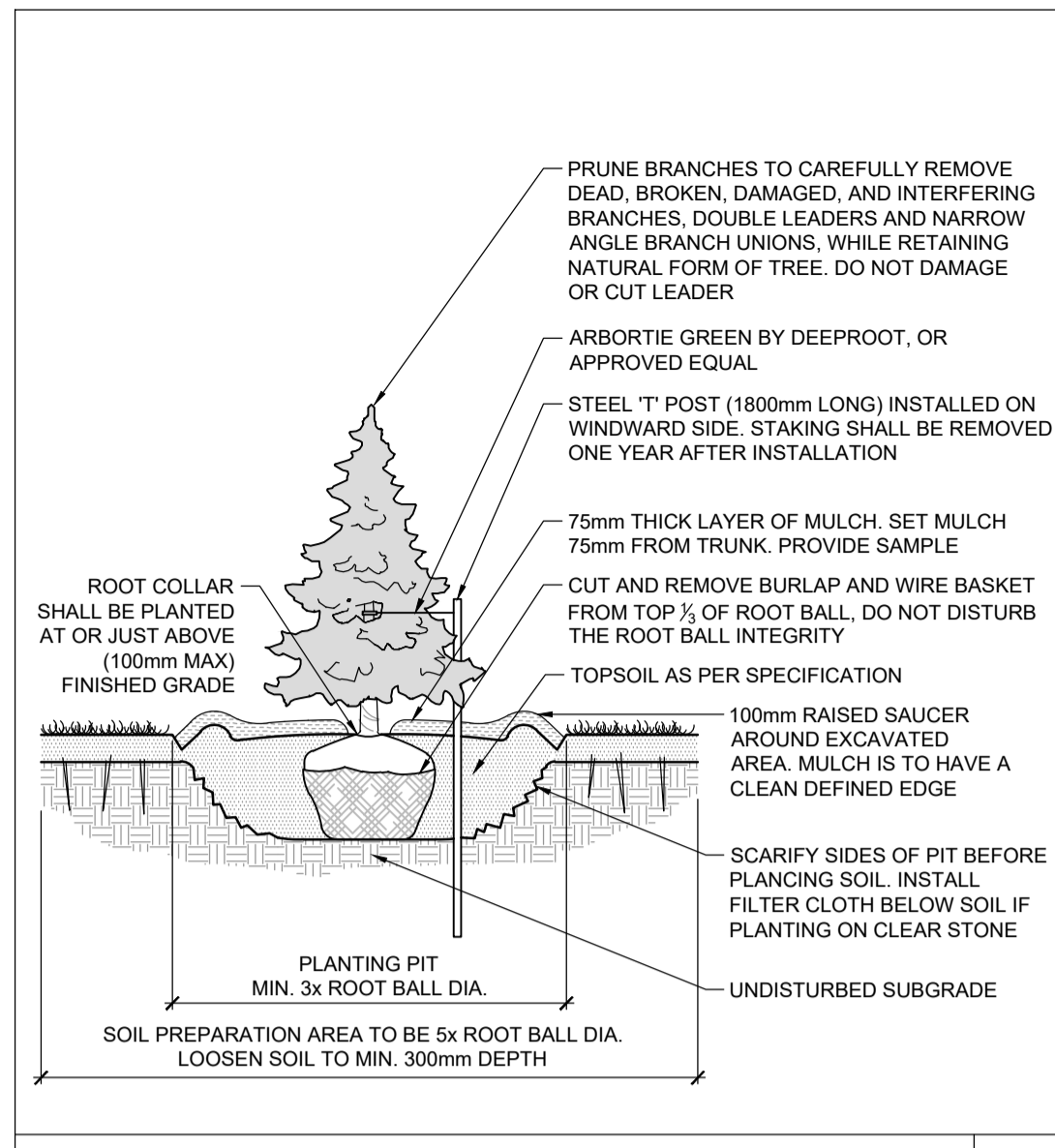
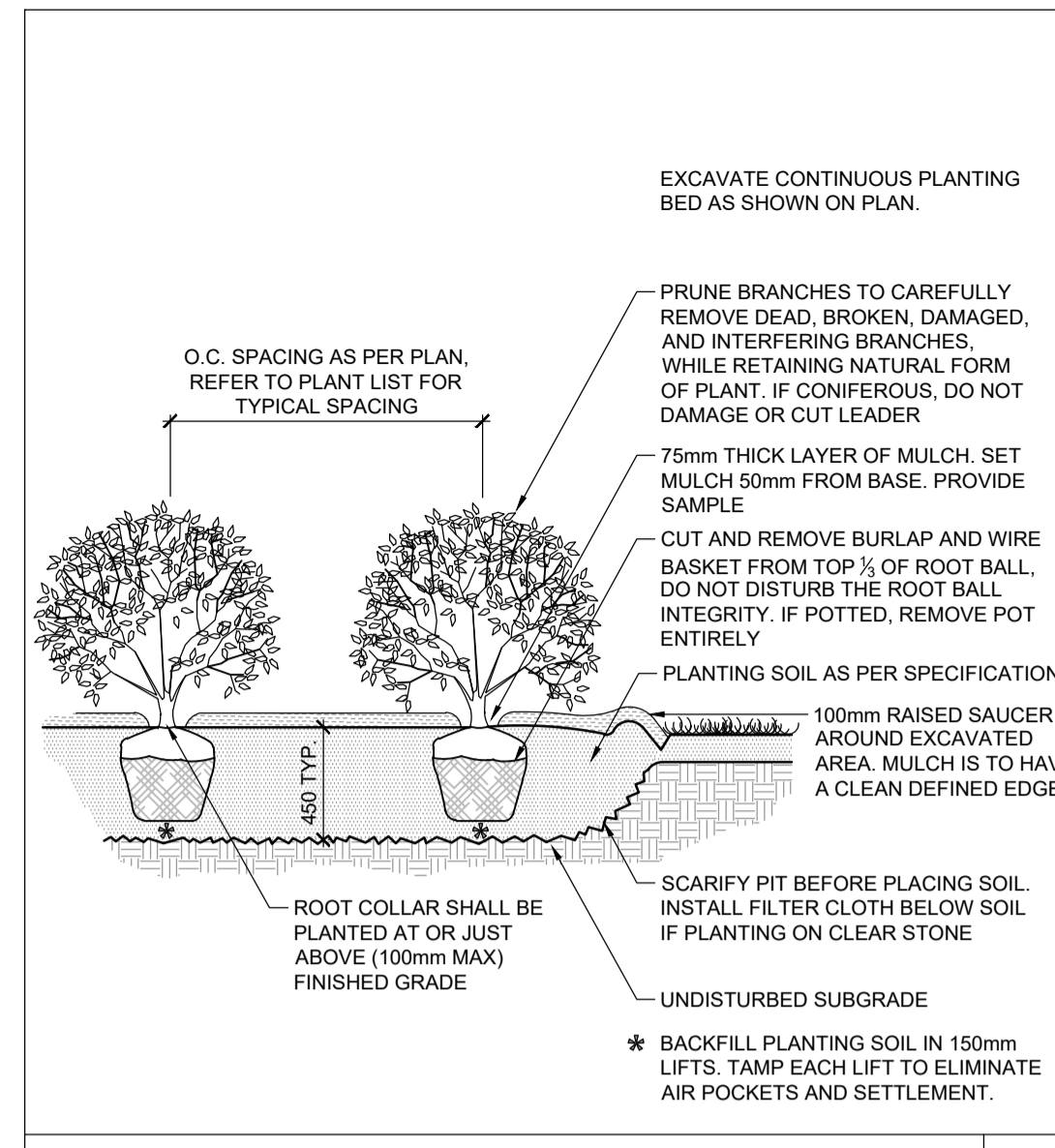


STANDARD DECIDUOUS TREE PLANTING D1



STANDARD CONIFEROUS TREE PLANTING D2



SHRUB AND PERENNIAL PLANTING D3

LANDSCAPE NOTES

- This drawing shall be read in conjunction with all relevant Architectural, Engineering, and related drawings and documents.
- All general site information and conditions are compiled from Consultant's field notes and plans provided by the Owner and are supplied for information purposes only. It shall be the responsibility of the Contractor to verify the accuracy of all the information obtained from this plan.
- Contractor to check and report any discrepancies before commencing work. No responsibility is borne by the Consultants for unknown utilities or subsurface conditions.
- Contractor to check and verify all dimensions on site and report any errors or omissions to the Consultant.
- Drawings not to be scaled. Work to dimensions only.
- Refer to Architectural Drawings for site layout.
- Refer to Engineering Drawings for site servicing.
- This drawing is to be read and interpreted in conjunction with the contract details and specifications.
- Contractor is responsible for all fees arising from the completion of works conveyed by these drawings. Fees include but are not limited to securities, permit fees, deposits, application fees, letters of credit, or any other related funding requests.
- All construction to be carried out in accordance with the most current provincial and municipal standards and specifications.
- All existing vegetation to be retained shall be protected for the duration of construction according to the contract details and specifications.
- No machine access or grade changes are permitted within the Critical Root Zone (CRZ) of existing trees. Any roots or branches which extend beyond the tree protection hoarding indicated on this plan which require pruning, must be done in accordance with good arboricultural standards. Any plants within the CRZ must be hand dug. Contractor to remove and dispose hoarding fencing upon construction completion.
- Contractor to coordinate all access and protect the general public and users of the site with appropriate control fencing and supervision throughout the construction period, to the satisfaction of the Corporation and the Consultant.
- Contractor responsible for the removal and off site disposal of all materials as required to facilitate new construction. All items and materials identified by the Consultant to be salvaged shall be stored at a location on site as identified by the Consultant.
- Site shall be maintained in a clean and orderly state for the duration of construction; all work sites to be performed in accordance with the Occupational Health and Safety Act.
- Reinstate all areas and items damaged or disturbed as a result of construction activities beyond the Limit of Work to the satisfaction of the Consultant.
- Unless otherwise noted, reinstate all disturbed turf areas with topsoil and sod.

TREE PROTECTION NOTES

- The following protection measures must be implemented for retained trees, both on site and on adjacent sites, prior to any tree removal or site works and maintained for the duration of construction on site:
- Under the guidance of an Arborist, erect a fence 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. The CRZ is calculated as DBH x 10cm. Refer to the Tree Protection Fence detail. See plan for fence location.
  - When trees to be removed overlap with the CRZ of trees to be preserved, cut roots at the edge of the CRZ and grind down stumps after tree removals, do not pull out stumps. Ensure there is not root pulling or disturbance of the ground within the CRZ.
  - If roots must be cut, roots 20mm or larger should be cut at right angles with clean, sharp horticultural tools without tearing, crushing, or pulling. Refer to City of Ottawa Specification S.P. F-8011 Tree Protection, Excavation of Root Zone.
  - Hand work only where required within the CRZ, absolutely no machinery permitted.
  - Do not place any material or equipment within the CRZ of any tree.
  - Do not attach any signs, notices or posters to any tree.
  - Do not disturb, raise or lower the existing grade within the CRZ without approval.
  - Only tunnel or bore when digging within the CRZ of a tree.
  - Do not damage the root system, trunk, or branches of any tree.
  - Ensure that exhaust fumes from all equipment are directed away from any tree canopy.

TOPSOIL REQUIREMENTS

- Topsoil**  
Topsoil shall be a fertile, natural loam, capable of sustaining healthy growth, containing a minimum of 4% organic matter for clay loams and 2% organic matter for sandy loam, to a maximum of 25% by volume. Topsoil shall be loose and friable, free of subsoil, clay lumps, stones, roots or any other deleterious material greater than 50mm diameter. Topsoil shall be free of all litter and toxic materials that may be harmful to plant growth. Topsoil containing sod clumps, crabgrass, couchgrass or other noxious weeds is not acceptable. Topsoil shall not be delivered or placed in a frozen or excessively wet condition. Topsoil acidity / alkalinity shall be in the range of 5.5pH to 7.5pH.
- Planting Soil**  
Planting soil shall be used for planting beds (for shrubs, perennials, vines, and groundcovers). Mix 4 parts topsoil with 1 part approved organic matter. Incorporate bone meal into planting soil at a rate of 0.5kg/m<sup>2</sup> of planting soil, or as approved by the Consultant.
- Topsoil/ Planting Soil depth requirements are as follows:**  
- Planting Beds: 450mm min. continuous depth Planting Soil  
- Tree Plantings: Depth of topsoil relative to root ball size  
- Sodded / Seeded Areas: 100mm min. continuous depth topsoil

PLANTING NOTES

- Plant material shall be No. 1 Grade and shall comply with Canadian Standards for Nursery Stock (latest edition) published by the Canadian Nursery Landscape Association. The plant material must be grown for a minimum of two (2) years in Zones (4a) to (5b) in accordance with Agriculture Canada's Plant Hardiness Zones Map. Each plant is to be labelled as to type, grade and size. For planting in clay soils, use only plant material that was grown in clay.
- Make plants available for inspection prior to installation. Material not conforming to specifications shall be rejected and replaced at contractor's expense. Approval of materials at the source or site does not prohibit the Consultant from rejecting any plants which do not conform to the specifications upon complete installation.
- All trees shall be open-grown for wind-firmness. Trees shall not be leaning or have significant sweep, crook or bend. All trees shall have good crown shape and colour (evergreens) characteristic of their species. Trees shall have a single dominant leader with no side branches taller / longer than the main leader.
- All plant material shall be container grown, potted, W/B or B/B, as indicated on Plant List. All trees shall have root ball sizes that meet or exceed nursery standards. Root balls shall be firm and structurally integral with the trunk. Bare root planting will only be acceptable for certain species and as approved by the Consultant.
- Shrubs and ground covers shall have full, well branched crowns typical of species or variety. Root systems shall be ample, well-balanced and fibrous, capable of sustaining vigorous growth.
- Plant material substitutions shall not be permitted without the written approval from the Consultant, with 48 hours notice, prior to shipping plant material.
- Plant locations are schematic / approximate only. Contractor shall stake out locations on site for approval by the Consultant prior to installation.
- The illustrated number of plants shown in the Planting Plan supersedes the quantity in the Plant List. Contractor to report any discrepancies to the Consultant prior to installation. Contractor will assume full responsibility if the Consultant is not notified.
- Floor drainage or percolation should be reported to the Consultant. Do not proceed with planting if water remains in planting pits. In heavy clay or poorly drained soils, set root ball with root collar 75-100mm higher than finished grade.
- Trees shall be planted by approved methods and oriented to give best appearance. Guy and stake trees upon planting as detailed.
- Plants that are weak or thin, undersized, or have been cut back from larger grades to meet specifications shall be rejected.
- Shrubs, perennials, vines, and groundcovers shall be planted in a continuous planting bed of 450mm depth with approved planting soil covered with 75mm depth shredded bark mulch.

SOD NOTES

- Sod** shall be No. 1 Kentucky Bluegrass Sod grown from minimum mixture of 3 Kentucky Bluegrass cultivars. Quality and source shall comply with Canadian Standards for Nursery Stock, Section 17, (latest edition) published by the Canadian Nursery Landscape Association.
- Sod is to be laid in rows, perpendicular to slope, with joints staggered. Where the slope is in excess of 3:1 (run/rise), the sod sections shall be secured with wooden stakes at a rate of 3 stakes per m<sup>2</sup>.
- Unless otherwise specified, sodded areas are to be maintained by the Contractor until a second cutting is accepted by the Consultant.

MAINTENANCE NOTES

- The Contractor is to perform the following **Maintenance Operations** from time of planting until acceptance by Consultant in the form of an initial Certificate of Completion.
- Water to maintain soil moisture conditions for optimum establishment, growth and health of plant material without causing erosion.
- For evergreen material, water thoroughly in late fall, prior to freeze-up, to saturate soil around root system.
- Prune dead or broken branches from plant material.
- Keep tree supports and trunk protection in proper repair and adjustment.
- Remove weeds monthly, by hand and adjust/ replenish mulch.
- Remove and replace dead plants and plants not in healthy growing condition. Make replacements in same manner as specified for original plantings.
- The Contractor is to perform the maintenance of all plant material during the specified **1yr Warranty Period**, as identified in the Schedule of Items and Prices.
- Maintenance operations shall include, watering, weeding, pruning, mulch replenishment, adjusting tree supports and replacement of plant material that is found to be unacceptable in accordance with the Drawings and Planting Notes.

**MCH-1700-0001**  
Legacy #FR1700-MSR-MT

**FORO SERIES**

MATERIALS: The chair frame is constructed from steel tube. The seat is laser formed steel. The back is made of a solid aluminum casting. Clickie Patens.  
FINISH: All steel components are protected with E-Coat rust proofing. The Maglin Powdercoat System provides a durable finish on all metal surfaces.  
INSTALLATION: The chairs come pre-assembled, and can be stacked and stored 4 chairs high.  
TO SPECIFY: Select MCH-1700-0001  
Choose Powdercoat Color: SILVER 14

HEIGHT: 30.87" (783mm) WIDTH: 18.56" (469mm) DEPTH: 21.27" (540mm) WEIGHT: 16.76lbs (75kg)

**MAGLIN CHAIR - MCH-1700-0001** D4

**MTB-1700-00119**  
Legacy #FR1700-RD-M2-SMU-36

**FORO**

MATERIALS: The table base is constructed of steel plate and the post is steel tube. The top is laser cut steel with a steel tube outer ring.  
FINISH: All steel components are protected with E-Coat rust proofing. The Maglin Powdercoat System provides a durable finish on all metal surfaces.  
INSTALLATION: The table comes pre-assembled. There are 4 x 7/16" holes that allow for surface mounting.  
TO SPECIFY: Select MTB-1700-00119  
Choose Powdercoat Color: SILVER 14

HEIGHT: 29.37" (745mm) DIAMETER: 36" (914mm) WEIGHT: 30.8lbs (13.9kg)

**MAGLIN TABLE MTB-1700-00119** D5

**MBR-1600-00007**  
Legacy # SCBR1600-DB

**1600 SERIES**

MATERIALS: The Bike Rack is made from solid cast aluminum.  
FINISH: The Maglin Powdercoat System provides a durable finish on all metal surfaces. Wood slats are treated with preservative sealant.  
INSTALLATION: This bike rack is delivered pre-assembled. It is available with either a surface mount or direct burial installation option.  
TO SPECIFY: Select MBR-1600-00007  
Choose Powdercoat Color: SILVER 14

HEIGHT: 36.25" (920mm) LENGTH: 37.5" (953mm) WIDTH: 3.375" (85.7mm) WEIGHT: 32 lbs (14kg)

**MAGLIN BIKE RACK - MBR-1600-00007** D6

**MAGLIN BENCH - SCB 1600-PC** D7

**MRR-1600-00001**  
Legacy #SCRC1602-M

**1600 SERIES**

MATERIALS: The recycling unit is made from cast aluminum. The frame is constructed using formed steel with lockable door. The lid is recycled plastic. Two 10 gallon commercial grade bins are provided.  
FINISH: All steel components are protected with E-Coat rust proofing. The Maglin Powdercoat System provides a durable finish on all metal surfaces.  
INSTALLATION: The recycling station is delivered pre-assembled.  
TO SPECIFY: Select MRR-1600-00001  
Choose Powdercoat Color: SILVER 14

HEIGHT: 48.00" (1219mm) LENGTH: 29.37" (745mm) WIDTH: 21.27" (540mm) WEIGHT: 79lbs (35.8kg)

**MAGLIN BIKE RACK - MRR-1600-00001** D8

**RELATED BY LAWS:**  
- MUNICIPAL TREES AND NATURAL AREAS PROTECTION, 2006-279  
- URBAN TREE CONSERVATION, 2009-200

REFER TO THE TREE PROTECTION NOTES, FOUND ON THE PLANS AND/ OR REPORT.

PRIOR TO ANY WORK ACTIVITY, THE PLAN AND THE INSTALLED FENCE MUST BE APPROVED BY CITY FORESTRY STAFF.

TREE PROTECTION FENCE SHALL BE ERRECTED TO PROTECT AND ENCLOSE THE CRITICAL ROOT ZONE (CRZ = DBH x 10). SEE PLAN FOR LOCATION.

TREE PROTECTION TO REMAIN IN PLACE AND BE MAINTAINED IN GOOD CONDITION UNTIL THE SOD/ SEED IS STARTED, REMOVE FENCE AT THIS TIME.

MEASURED FROM OUTSIDE EDGE AT BASE OF TRUNK

TREE PROTECTION SIGNAGE AS PER CITY STANDARD

TREE PROTECTION FENCING MUST BE CONSTRUCTED OF RIGID OR FRAMED MATERIALS. eg - MODULOC - STEEL - PLYWOOD HOARDING, OR - SNOW FENCE ON 2x4" FRAME.

POSTS SHALL BE MAX. 2.4m APART, AND POSTS SHALL BE SECURED TO PREVENT ALTERATIONS TO THE FENCE LOCATION.

ALL SUPPORTS AND BRACING MUST BE PLACED OUTSIDE OF THE CRZ, AND INSTALLATION MUST MINIMIZE DAMAGE TO EXISTING ROOTS

CRITICAL ROOT ZONE DBH x 10

CRITICAL ROOT ZONE DBH x 10

2400 OC MAX

1200 MIN

SOIL AND ROOT DISTURBANCE NOT PERMITTED

**TREE PROTECTION FENCE** D9

**METAL FENCE** D10

IRON EAGLE II SILVER EAGLE II

**NOTE:**  
THE POSITION OF ALL POLE LINES, CONDUITS, WATERMAINS, SEWERS AND OTHER UNDERGROUND AND OVERGROUND UTILITIES AND STRUCTURES IS NOT NECESSARILY SHOWN ON THE CONTRACT DRAWINGS, AND WHERE SHOWN, THE ACCURACY OF THE POSITION OF SUCH UTILITIES AND STRUCTURES IS NOT GUARANTEED. BEFORE STARTING WORK, DETERMINE THE EXACT LOCATION OF ALL SUCH UTILITIES AND STRUCTURES AND ASSUME ALL LIABILITY FOR DAMAGE TO THEM.

No.	REVISION	DATE	BY
1	ISSUED FOR SITE PLAN APPLICATION	JUNE 14/21	RJ

DESIGN	SCALE
KM	1:250
CHECKED	1:250
DESIGN	0 2.5 5 7.5 10
DRAWN	
CHECKED	
DESIGN	
APPROVED	

**FOR REVIEW ONLY**

ASSOCIATION OF LANDSCAPE ARCHITECTS

**NOVATECH**  
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Facsimile (613) 254-5867  
Website www.novatech-eng.com

LOCATION  
MUNICIPALITY OF PORT HOPE  
20 HOPE STREET SOUTH

DRAWING NAME  
**PROPOSED LONG TERM CARE HOME**

LANDSCAPE DETAILS  
ULTIMATE CONDITIONS

PROJECT No. 120226  
REV 1  
DRAWING No. 120226-L2