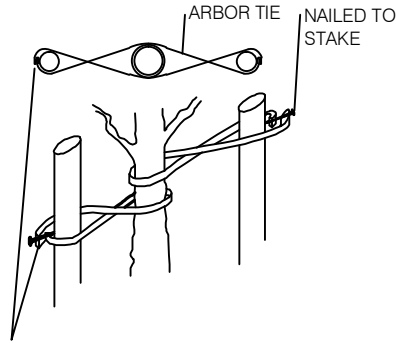




INFRASTRUCTURE DESIGN STANDARDS – FIGURES

SECTION 8 – TREE PLANTING

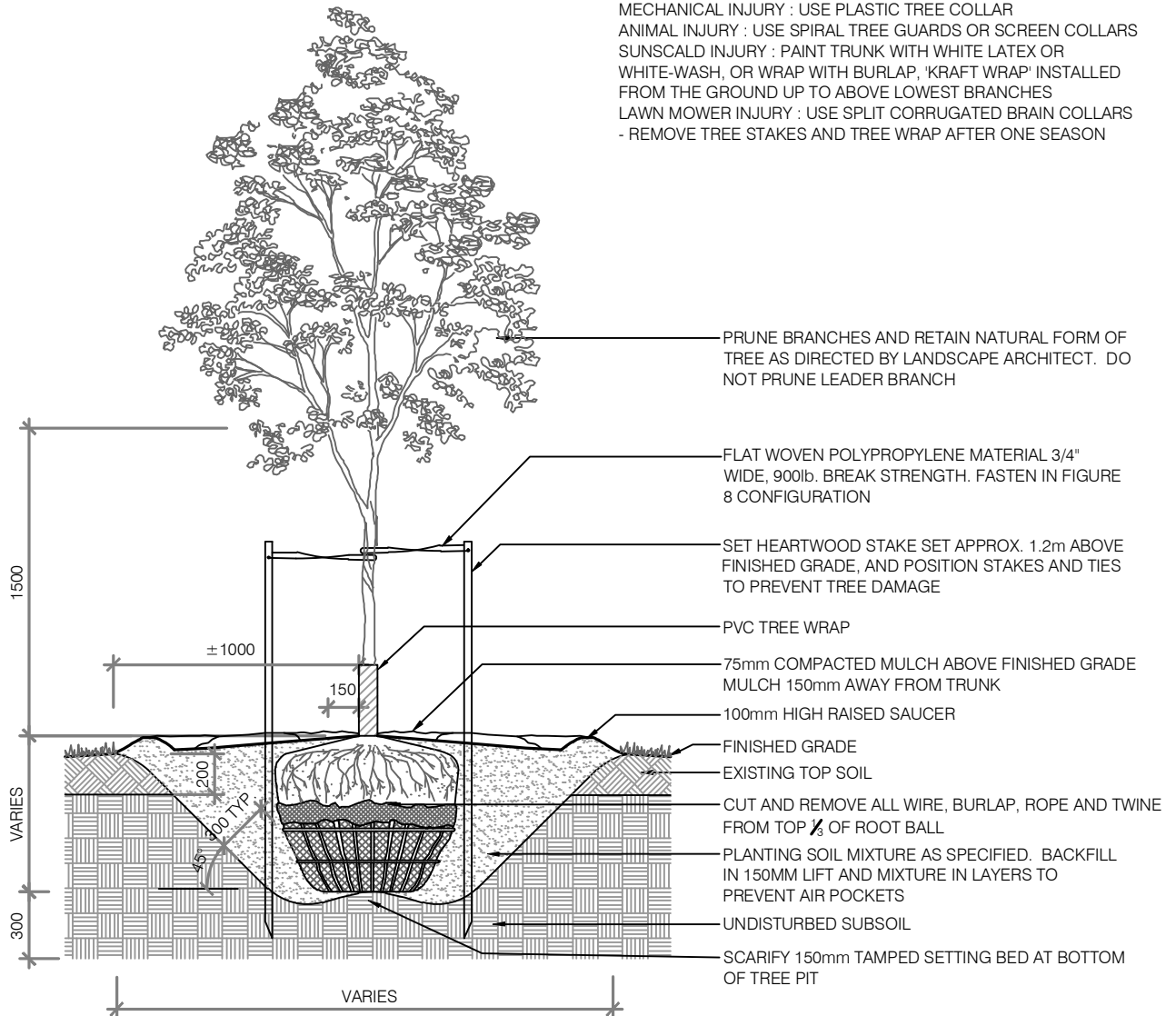
- 8.1 Landscaping Details – Deciduous Tree Planting
- 8.2 Preferred Street Trees



FOLD ENDS OF ARBOR TIE BACK. SECURE TO STAKE WITH 1" GALVANIZED ROOFING NAIL OR USE A KNOT.

NOTES:

- OBTAIN WRITTEN CONFIRMATION OF UTILITY LOCATES PRIOR TO COMMENCEMENT OF DIGGING
- - DIG ALL HOLES BY HAND WHEN CLOSER THAN 1.0M TO UNDERGROUND POWER, TELEPHONE AND GAS ALIGNMENTS
- - USE ROOT DEFLECTOR ON THE UTILITY SIDE OF REQUIRED
- - ENSURE BASE OF TREE PIT IS STABLE IN ORDER TO MAINTAIN THE DESIRED TREE LEVEL AND GRADE
- - TREES TO BE SPRAYED WITH APPROVED ANTI-DESSICANT PRIOR TO TRANSPLANTING UNLESS PLANTED WITHIN 48 HOURS OF DIGGING (IF PLANTED IN FULL LEAF)
- SET TREE 50mm HIGHER THAN SURROUNDING GRADE TO ALLOW FOR SETTLEMENT
- - SCARIFY COMPACTED SUBGRADE TO 500MM DEEP IN AREA 5 X ROOTBALL DIAMETER
- - DIG PIT 300MM WIDER THAN ROOTBALL PERIMETER
- - MULCH WITH SHREDDED BARK OR COMPOSTED HARDWOOD CHIPS
- - TRUNK PROTECTION
MECHANICAL INJURY : USE PLASTIC TREE COLLAR
ANIMAL INJURY : USE SPIRAL TREE GUARDS OR SCREEN COLLARS
SUNSCALD INJURY : PAINT TRUNK WITH WHITE LATEX OR WHITE-WASH, OR WRAP WITH BURLAP, 'KRAFT WRAP' INSTALLED FROM THE GROUND UP TO ABOVE LOWEST BRANCHES
LAWN MOWER INJURY : USE SPLIT CORRUGATED BRAIN COLLARS
- - REMOVE TREE STAKES AND TREE WRAP AFTER ONE SEASON



Municipality of Middlesex Centre

Preferred Street Trees (2014)

| <u>BOTANNICAL NAME</u> | <u>COMMON NAME</u> | <u>NATIVE</u> (Y/N) | <u>SALT TOLERANCE</u> (T/M/S) | <u>DROUGHT TOLERANCE</u> (H/M/L) | <u>SIZE</u> (S/M/L) | <u>FORM</u> | <u>DESCRIPTION/ KEY FEATURES</u> |
|--|-----------------------------|------------------------|----------------------------------|-------------------------------------|------------------------|-----------------------------|--|
| <i>Acer campestre</i> | Hedge Maple | | M | H | M/10x10 | Dense, Round | Tolerates severe drought |
| <i>Acer freemanii</i> 'Armstrong' | Armstrong Maple | | S | H | M/8x15 | Narrow, Upright | Suitable Varieties: Autumn Blaze (Jeffersred), Armstrong, Celebration (Celzam) |
| <i>Acer ginnala</i> (single stem) | Amur Maple | | M | M | S/7x7 | Round | |
| <i>Acer rubrum</i> | Red Maple | Y | S | M | M/15x16 | Broadly Oval to Round | Suitable Varieties: Red Sunset (Franksred), Bowhall, Karpick, October Glory |
| <i>Acer saccharum</i> | Sugar Maple | Y | S | M | M/15x20 | Oval | Suitable Varieties: Green Mountain, Endowment, Legacy |
| <i>Amelanchier canadensis</i> | Serviceberry | Y | T | M | S/3x8 | Oval, Upright | Hardy street tree, yellow fall colour |
| <i>Carpinus betulus</i> 'Fastigiata' * | Pyramidal Hornbeam | | S | H | M/4x12 | Upright, Pyramidal | |
| <i>Carya ovata</i> * | Shagbark Hickory | Y | M | M | L/15x40 | Oval | |
| <i>Celtis occidentalis</i> | Hackberry | Y | T | H | L/18x20 | Round | |
| <i>Ginkgo biloba</i> | Maidenhair Tree | | M | H | M/11x17 | Irregular, Pyramidal | Virtually pest free, slow growing |
| <i>Gleditsia tricanthos</i> var <i>inermis</i> | Honeylocust | | T | H | M/13x17 | Open, Spreading | Suitable Varieties: Shademaster, Skyline, Sunburst |
| <i>Gymnocladus dioicus</i> * | Kentucky Coffee Tree | Y | S | H | M/13x17 | Open, Spreading | Good winter interest |
| <i>Liriodendron tulipifera</i> | Tulip Tree | Y | S | M | L/15x25 | Pyramidal | Tolerates moderate drought |
| <i>Malus</i> spp. (upright varieties) | Crabapple | | M | H | S/7x7 | Varies as per Species | Suitable Varieties: Donald Wyman, Prairiefire, Red Spondor, Royalty, Snowdrift, Thunderchild |
| <i>Platanus x acerifolia</i> 'Bloodgood' | American Sycamore | | M | H | M/13x16 | Broadly Pyramidal | |
| <i>Populus temuloides</i> * | Trembling Aspen | Y | S | M | M/13x16 | Broadly Pyramidal | Weak Wood, Tends to Sucker |
| <i>Prunus serrulata</i> 'Kwanzan' * | Kwanzan Cherry | | S | M | S/7x7x | Upright, Vase | Tends to sucker |
| <i>Prunus virginiana</i> * | Chokecherry | | S | M | S/7x7x | Upright, Vase | Tends to sucker |
| <i>Phellodendron amurense</i> * | Amur Corktree | | M | H | M/9x13 | Broadly Vase-Shaped | |
| <i>Pyrus calleryana</i> 'Chanticleer' | Chanticleer Ornamental Pear | | M | H | S/5x13 | Upright, Narrowly Pyramidal | Disease resistant, white flowers |
| <i>Quercus alba</i> | White Oak | Y | M | H | L/20x20 | Pyramidal, Irregular | |
| <i>Quercus macrocarpa</i> | Bur Oak | Y | T,M | H | M/13x18 | Upright, Spreading | |
| <i>Quercus robur</i> 'Fastigiata' | Fastigiate Oak | | T | M | M/5x15 | Narrow, Fastigiate | Some foliage remains in winter |
| <i>Quercus rubra</i> | Red Oak | Y | T | M | M/15x16 | Rounded | |
| <i>Sorbus decora</i> | Showy Mountain Ash | | M | L | S/6x8 | Rounded | |
| <i>Sorbus thuringiaca</i> 'Fastigiata' | Oakleaf Mountain Ash | | M | M | S/3x7.5 | Pyramidal | |
| <i>Syringa reticulata</i> 'Ivory Silk' | Ivory Silk Tree Lilac | | M | M | S/5x7.5 | Compact, Oval | Creamy white flowers; also tolerates drought |
| <i>Tilia americana</i> | Basswood | Y | M | M | L/13x25 | Pyramidal to Rounded | |
| <i>Tilia cordata</i> 'Greenspire' | Greenspire Linden | | M | M | M/12x16 | Oval | Dense branching habit and fragrant flowers |
| <i>Tilia x Flavescens</i> 'Glenleven' | Glenleven Linden | | M | M | M/12x16 | Pyramidal | Dense branching habit and fragrant flowers |
| <i>Ulmus</i> x 'Homestead' | DED resistant varieties | | M | H | M/13x18 | Upright, Arching | Tolerates severe drought |
| <i>Zelkova serrata</i> | Japanese Zelkova | | M | H | M/13x18 | Vase-shaped | Suitable Varieties: Green Vase, Village Green |

* Trees to be used in limited amounts (< 5% of total trees planted)

Salt Tolerance: S-Sensitive, M-Moderate, T-Tolerant

Drought Tolerance: L-Low, M-Moderate, H-High

Size: S-Small, M-Medium, L-Large