

GROWING MEDIUM NOTES:

1.0 GROWING MEDIUM TESTING:

1.1 Growing mediums (Topsoil; Planting Mixes) and organic amendments must be tested by an OMAFRA accredited agency and approved prior to use. Test topsoil for P, K, Ca and Mg, minor element values, soluble salt content, organic matter, texture and pH value appropriate for the establishment and growth of ornamental nursery stock. Submit test results and analysis including recommendations for amendments and fertilizer to the Consultant.

2.0 TOPSOIL:

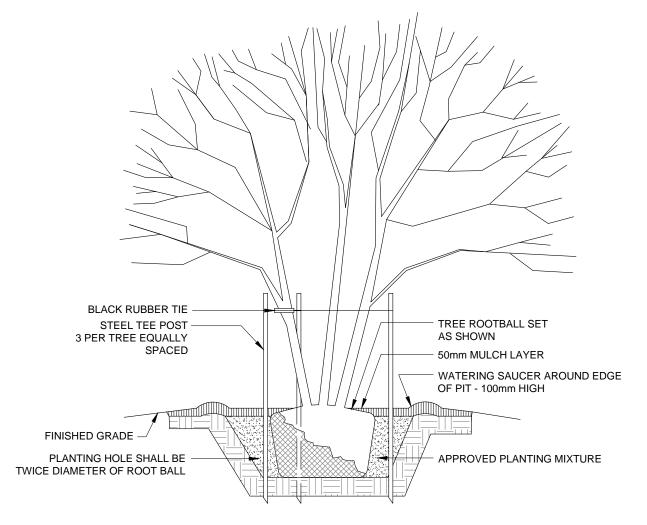
- 2.1 Topsoil shall be fertile, friable, topsoil, free of: fragments larger than 75mm in size; stones over 30mm in diameter; debris; plants or their roots; sticks; noxious seed plants; stolons; seeds; salts; soil sterilants; chemical contaminants; o other materials detrimental to plant growth.
- 2.2 Fertilizer and Amendments: must be made as per soil testing agency recommendations.
- 2.3 All topsoil for the intensive use lawn areas shall be sandy loam class only.
- 2.4 Topsoil: shall not be moved, delivered or worked on while in a frozen state or condition.

3.0 GROWING MEDIUM - PLANTING MIXES:

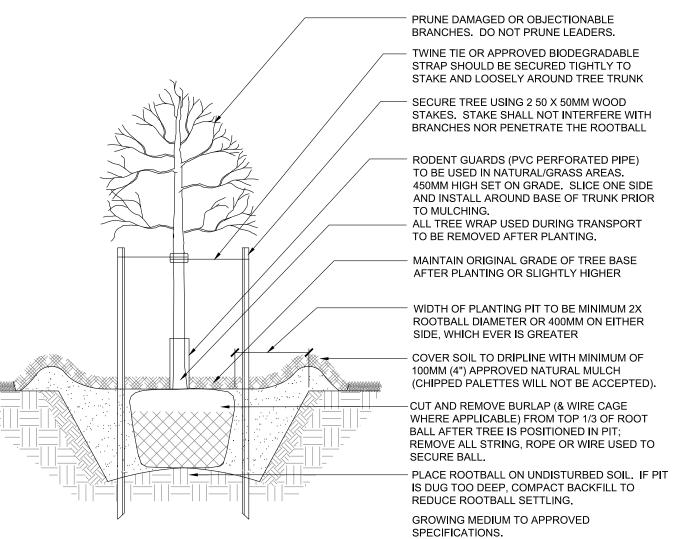
- bed areas to the following proportions: 4 parts approved topsoil, 1 part compost, 1 part shredded peat moss and an application of high phosphorous fertilizer (0-20-0).
- 3.2 Mixes containing a significant amount of peat moss shall not be permitted to dry out. The moisture content of the peat moss at the time of mixing shall be not less than 60% to 75%.

4.0 FERTILIZER AND AMENDMENTS:

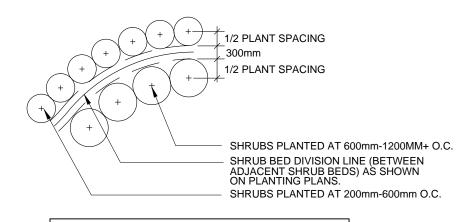
- 4.1 Organic Soil Additive: "Gro-Bark" Fine Composted Pine Mulch or an approved alternative. 4.2 Fertilizer: complete commercial fertilizer with 50% of the elements derived from organic
- 4.3 Peat Moss: decomposed plant material, fairly elastic and homogenous, free of decomposed colloidal residue, wood, sulphur and iron and of brown colour containing minimum 60% organic matter by weight, moisture content not exceeding 15% and pH value of 3.4 - 5.5.
- 4.4 Compost and Manure: shall meet the standards found in the Interim Guidelines for the Production and Use of Aerobic Compost in Ontario published by the Ontario Ministry of Environment and Energy (MOEE), and shall be virtually free from all viable weed seeds, or other plant reproductive parts, pathogens, chemicals or toxic contaminates. Manure shall be well rotted, unbleached cattle manure, free from harmful chemicals and other injurious substances, at least eight months old, but not more than two years old and with no more than 25% straw, leaves or other materials. Physical contaminates such as rock, plastic, metal or glass shall be less than 0.5%. Total carbon to nitrogen ratio in the resulting growing medium shall not exceed 30:1.
- 4.5 Lime: Limestone containing not less than 8% of calcium and magnesium carbonates combined, finely ground to pass a 10 mesh sieve with at least one half passing a 100 mesh sieve. Rate of application shall be determined after the pH of the topsoil.
- 3.1 Planting Mix: (where specified) shall be thoroughly combined prior to placement in planting 4.6 Bonemeal: raw, finely ground with a minimum analysis of 4% nitrogen and 20%
 - 4.7 Sand: sharp, clean sand, to OPSS 1002-3.



TYPICAL MULTI-TRUNK TREE PLANTING

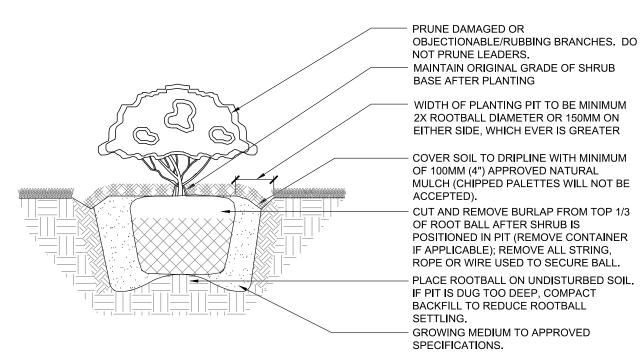


- 1. GROWING MEDIUM MIX: 4 PARTS TOPSOIL, 1 PART COMPOST, 1 PART SHREDDED PEAT &
- APPLICATION OF HIGH PHOSPHOROUS FERTILIZER (0-20-0) 2. PLANT MATERIAL SHALL BE THOROUGHLY WATERED AT TIME OF PLANTING.
- 3. PLANT MATERIAL SHALL BE SET PLUMB IN THE MIDDLE OF THE PIT. 4. TREE SHALL BEAR SAME RELATION OR SLIGHTLY HIGHER TO FINISHED GRADE AS ORIGINALLY
- 5. PLANT STOCK MOVED WHILE IN LEAF SHALL BE COVERED WHILE IN TRANSIT. ROOTS SHOULD BE KEPT MOIST UNTIL PLANTED. TREES IN LEAF TO BE TREATED WITH ANTI-DESICANT. 6. DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE NOTED.
- 7. STAKING IS TO OCCUR ONLY AT THE DIRECTION OF THE LANDSCAPE ARCHITECT. 8. 100MM HIGH SAUCER EXCEPT WHEN PLANTING IN BED.
- DECIDUOUS TREE PLANTING B.B/W.B UP TO 80MM CALIPER
 N.T.S.



DETAIL SHOWS THE INTENDED PLANTING LAYOUT OF ADJACENT SHRUB BEDS ALONG CURVES. CONTRACTOR TO PLANT ALL PERIMETERS OF PLANTING BED AREAS AS SHOWN AND THEN PLANT THE REMAINDER OF THE PLANTING BED TRIANGULARLY AT THE SPECIFIED SPACING ON

3 ADJACENT PLANT SPACING



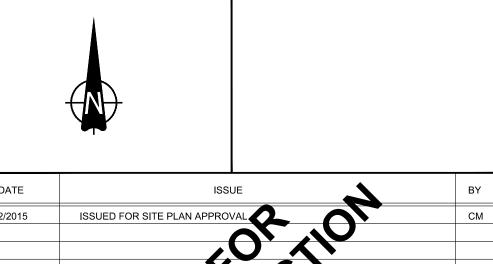
- 1. GROWING MEDIUM MIXTURE: 4 PARTS TOPSOIL, 1 PART COMPOST, 1 PART SHREDDED PEAT &
- APPLICATION OF HIGH PHOSPHOROUS FERTILIZER (0-20-0). 2. PLANTING BED SHALL BE THOROUGHLY WATERED IMMEDIATELY AFTER PLANTING & PRIOR TO
- 3. FOR POTTED SHRUBS, SATURATE CONTAINER/ ROOTS/SOIL PRIOR TO REMOVAL OF CONTAINER BEFORE PLANTING.
- 4. SHRUBS ARE TO BE SPACED AS DIRECTED. 5. ALL DIMENSIONS ARE IN MILLIMETERS.
- B&B/CONTAINER STOCK SHRUB / GRASS PLANTING

GROWING MEDIUM REQUIREMENTS:

- CONTRACTOR TO PROVIDE SOIL TESTING RESULTS OF GROWING MEDIUM TO LANDSCAPE CONSULTANT FOR APPROVAL PRIOR TO INSTALLATION.
- CONTRACTOR SHALL PREPARE PLANTING BEDS AND TREE PITS WITH APPROVED GROWING MEDIUM PRIOR TO INSTALLATION OF PLANT MATERIAL.
- CONTRACTOR SHALL PAY ALL COSTS TO CORRECT GROWING MEDIUM AND REPLACEMENT OF PLANT MATERIAL IF SPECIFIED TESTS, AMENDMENTS, AND WRITTEN APPROVAL OF THE LANDSCAPE CONSULTANT ARE NOT OBTAINED.

PLANTING DETAILS

774 BRONSON AVENUE OTTAWA, ON.



ISSUED FOR SPA ONLY

1/12/2015 DATE

Date: NOV. 23, 2015

Scale: AS NOTED



Project No.: 15183

