

GENERAL NOTES

THE LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR ANY COSTS ASSOCIATED WITH THE FAILURE OF THE LANDSCAPE CONTRACTOR TO OBTAIN THE APPROVAL OF THE LANDSCAPE ARCHITECT PRIOR TO MAKING ANY CHANGES TO THE SPECIFIED MATERIALS AND/OR ANY OTHER SPECIFIED INSTRUCTIONS.

ALL INSTALLATION STANDARDS AND PROCEDURES ARE AS FOLLOWS OR AS DIRECTED BY THE MUNICIPAL GUIDELINES

GRADING

**ROUGH GRADING**  
ROUGH GRADE AND FILL AREAS TO ESTABLISH SUBGRADE (AS REQUIRED), PROVIDE DRAINAGE PATTERNS AS INDICATED ON DRAWINGS. ROUND SMOOTHLY ALL TOPS AND TIPS OF SLOPES. COMPACT ALL AREAS TO 95% STANDARD PROCTOR DENSITY UNLESS SPECIFIED OTHERWISE. EXISTING TREES TO REMAIN ON SITE ARE TO BE PROTECTED AS PER MUNICIPAL STANDARDS.

**FINE GRADING**  
FINE GRADE ALL AREAS TO FINISHED GRADES AS SHOWN ON LAYOUT OR GRADING PLAN OR ARCHITECT'S SITE PLAN. PROVIDE UNIFORM SLOPES AWAY FROM THE BUILDING, UNLESS SPECIFIED OTHERWISE. SLOPES MAY NOT EXCEED 3:1 UNLESS OTHERWISE SPECIFIED.

SOIL

**STOCK PILED ON SITE PLANTING SOIL** - TESTED BY AGRI-FOODS LABORATORIES 500 IMPERIAL RD. N. GUELPH, ON N1H 4Y9 (519) 837-1400  
A TOPSOIL BASIC TEST IS REQUIRED BEFORE CONDUCTING TEST THE LANDSCAPE CONTRACTOR IS TO INQUIRE IF AN ARAZINE AND/OR HEAVY METAL TEST IS REQUIRED.  
ALLOW AT LEAST 4 WEEKS FOR THE TESTS TO BE CONDUCTED PRIOR TO INSTALLATION ON SITE.  
SUBMIT TOPSOIL REPORT TO TERRAPLAN FOR REVIEW AND RECOMMENDATIONS FOR AMENDMENT.

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ALLOW AT LEAST 4 WEEKS FOR THE TESTS TO BE CONDUCTED PRIOR TO INSTALLATION ON SITE.  
SUBMIT TOPSOIL REPORT TO TERRAPLAN FOR REVIEW AND RECOMMENDATIONS FOR AMENDMENT.

**TOPSOIL FOR SODDED AND SEEDING AREAS** - TESTED BY AGRI-FOODS LABORATORIES 500 IMPERIAL RD. N. GUELPH, ON N1H 4Y9 (519) 837-1400  
MIXTURE OF MINERAL PARTICLES, MICRO ORGANISMS AND ORGANIC MATTER WHICH PROVIDES A SUITABLE MEDIUM FOR SUPPORTING INTENDED PLANT GROWTH.  
SCAFFOLD THE SUBSOIL PRIOR TO SPREADING THE TOPSOIL. REMOVE ALL DEBRIS AND LEAVE A TEXTURED SURFACE.  
THE LANDSCAPE CONTRACTOR TO OBTAIN A TOPSOIL REPORT FOR ANY TOPSOIL TO BE USED ON SITE. OBTAIN APPROVAL FOR THE QUALITY OF ANY IMPORTED TOPSOIL BEFORE DELIVERY TO THE SITE. THE LANDSCAPE CONTRACTOR AMENDMENTS IS A RECOMMENDED BY THE SOIL REPORT.

**PLANTING SOIL TEXTURE**  
SOILS ARE TO CONSIST OF 30-45% SAND, 40-50% SILT, 0-14% CLAY (SSC TO TOTAL 100%) 4-8% ORGANIC BY WEIGHT. (pH BETWEEN 6.5 TO 8 (THE CANADIAN SYSTEM OF SOIL CLASSIFICATION))  
PROVIDE RECENT SOIL REPORT PRIOR TO ORDER. FERTILIZER TO BE MIXED INTO SOIL OFF SITE AS REQUIRED.

**FERTILIZERS**  
AS REQUIRED BASED UPON PROVIDED SOIL REPORT PROVIDED BY THE LANDSCAPE CONTRACTOR PRIOR TO ORDERING.  
SHOULD FERTILIZER BE REQUIRED, IT SHALL BE ADDED TO THE SOIL PRIOR TO DELIVERY THE LANDSCAPE CONTRACTOR AMENDMENTS IS A RECOMMENDED BY THE SOIL REPORT.

**FREE FROM**  
DEBRIS AND STONES OVER 6.3 MM DIAMETER  
COARSE VEGETATIVE MATERIAL, 100mm DIAMETER AND 100mm LENGTH, OCCUPYING MORE THAN 2% OF SOIL VOLUME  
TOXIC ELEMENTS AND/OR GROWTH INHIBITING MATERIALS  
CONSISTENCY: FRIABLE, WHEN MOIST

NOTE: IF THE EXISTING SOIL CONDITIONS ARE CLAY OR VERY IN NATURE, CONTACT THE LANDSCAPE ARCHITECT FOR INSTRUCTIONS OF A SUITABLE SOIL MIXTURE OR DRAINAGE DETAIL. FAILURE TO DO THIS MAY RESULT IN DELAY OF APPROVAL AND ACCEPTANCE.

CONTRACTOR TO CONTACT ALL UTILITY COMPANIES TO CHECK LOCATIONS AND OBTAIN STAKEOUTS OF ALL UTILITY LINES BEFORE EXCAVATION. OBTAIN ALL NECESSARY PERMITS BEFORE COMMENCEMENT OF CONSTRUCTION. REPORT IN WRITING ANY DISCREPANCIES IN THE DRAWINGS, SPECIFICATIONS AND CONTRACT DOCUMENTS TO THE LANDSCAPE ARCHITECT BEFORE THE END OF THE BIDDING PROCESS AND COMMENCEMENT OF CONSTRUCTION. THESE SPECIFICATIONS MAY BE SUPERSEDED BY ADDITIONAL SPECIFICATIONS SET OUT IN THE TENDER DOCUMENTS. CONTRACTOR TO REVIEW ALL DOCUMENTS.

**PREPARATION OF PLANTING BEDS** - ALL PLANT BEDS TO BE CONTINUOUS.  
EXCAVATE ALL PLANTING BEDS TO THE DEPTH AS INDICATED ON THE DRAWINGS AND DETAILS  
ALL PLANTING BEDS TO HAVE BASED 100mm (4") TO ALLOW FOR SETTLING.  
ALL PLANTING BED EDGES TO BE MAINTAINED BY SOD EDGE TRIMMER.  
ALL PLANTING BEDS TO HAVE 8.25mm (1/2") CUT AT EDGE TO MAINTAIN A CLEAN SEPARATION BETWEEN SODS AND BED.  
PREPARE THE PLANTING BEDS FOR PLANTING BEFORE THE DELIVERY OF THE PLANT MATERIAL TO THE JOB SITE.

**SOIL**  
USE #1 BLUEGRASS - FESCUE SOD 500 WHICH CONFORMS WITH THE SPECIFICATIONS OF THE NURSERY SOD GROWERS ASSOCIATION OF ONTARIO.  
ALL SODDED AREAS SHALL RECEIVE A MINIMUM OF 100mm (4") OF TOPSOIL.  
SOD SLOPES ARE NOT TO EXCEED 3:1 (30%). IF APPROVED BY LANDSCAPE ARCHITECT A SLOPE IN EXCESS OF 4:1 TO BE PEGGED USING WOOD PEGS.  
THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR CUTTING ALL SODDED AND SEEDDED AREAS AT LEAST TWO (2) TIMES BEFORE FINAL INSPECTION FOR ACCEPTANCE OF THE LANDSCAPE WORK.  
NEW TOPSOIL AND SOD SHALL EXTEND THROUGH THE MUNICIPAL BOULEVARD TO THE REAR OF THE MUNICIPAL CURB.

**PLANT MATERIALS** - ALL PLANT MATERIAL SHALL CONFORM TO THE STANDARDS OF THE CANADIAN NURSERY TRADES ASSOCIATION FOR SIZE AND SPECIES.  
ALL SHRUB AND TREE MATERIAL SHALL BE CONTAINER GROWN, POTTED, ON BALL, AND BURLAP, UNLESS OTHERWISE NOTED.  
BASE ROOT PLANTING SHALL BE ACCEPTABLE FOR CERTAIN SPECIES DURING EARLY SPRING UPON APPROVAL OF THE LANDSCAPE ARCHITECT ONLY.  
CONTRACTOR SHALL MAKE REQUESTS FOR ROOT CONDITION SUBSTITUTION IN WRITING TO THE LANDSCAPE ARCHITECT PRIOR TO COMMENCEMENT OF PLANTING OPERATIONS.  
ALL PLANT MATERIAL TO BE CLAY GROWN STOCK UNLESS OTHERWISE NOTED.

**PLANT MATERIAL SIZES AND CONDITIONS**  
THE INDIVIDUAL PLANT GROUPING TOTALS AS ILLUSTRATED ON THE PLANTING PLAN SUPERSEDES THE ESTIMATED QUANTITY ON THE MASTER PLANT LIST.  
CONTRACTOR MUST REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT IN WRITING BEFORE COMMENCING ANY WORK.  
CONTRACTOR WILL ASSUME FULL RESPONSIBILITY IF LANDSCAPE ARCHITECT IS NOT NOTIFIED OF DISCREPANCIES.  
ALL TREES, SHRUBS AND GROUND COVERS SHALL BE PLANTED AS DETAILED, AND AS SHOWN ON THE LANDSCAPE DRAWING.  
PLANT MATERIAL SIZES, SPECIES, AND CONDITIONS ARE TO BE AS INDICATED ON THE LANDSCAPE DRAWING.  
USE ONLY PLANT MATERIAL TRUE TO NAME, SIZE, AND GRADE AS SPECIFIED ON PLANTING PLAN. PROVIDE SUFFICIENT LABELS OR MARKINGS TO INDICATE CLEARLY THE VARIETY, SIZE AND GRADE OF EACH SPECIES OR BUNDLE UNTIL FINAL ACCEPTANCE.  
OBTAIN APPROVAL FOR SUBSTITUTIONS AS TO VARIETY, SIZE OR GRADE FROM THE LANDSCAPE ARCHITECT.  
USE ONLY NURSERY STOCK GROWN UNDER PROPER HORTICULTURAL PRACTICES, VISIBLE, FREE FROM PEST AND DISEASE, AND UNMAGNIFIED.

**PLANTING**  
ALL PLANTING BEDS THAT ARE SURROUNDED BY SOD SHOULD BE CUT AND EDGED AT A 45° ANGLE. SOD THERE IS A CLEAR AND WELL DEFINED SEPARATION BETWEEN THE PLANTING BEDS AND SODDED AREAS, AND TO BE MAINTAINED USING A SOD EDGE TRIMMER.

**MULCH**  
ALL BEDS TO RECEIVE A COVER OF CLEAN SHREDDED CEDAR MULCH (GRO-BARK OR APPROVED EQUIV.), UNLESS OTHERWISE SPECIFIED, TO A DEPTH OF 100mm (4").  
SHARP TO BE PROVIDED TO THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

**SEED MIXTURES**  
SEED MIXTURES TO BE SUPPLIED BY OSC - DIXON SEED CO. Box 7, Wainnig, ON, N2J 1J2A, 519-864-8557 OR APPROVED EQUAL.  
SEED INVOICE, WHICH INDICATES THE SEED MIXTURE, QUANTITY, AND SITE LOCATION, TO BE PROVIDED TO THE LANDSCAPE ARCHITECT.  
ANY SUBSTITUTIONS TO THE SEED MIXTURE MUST BE APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION. FAILURE TO DO SO WILL BE AT THE COST OF THE LANDSCAPE CONTRACTOR.

**RULES**  
AN INVOICE INDICATING THE BULK QUANTITY, SPECIES, AND SITE LOCATION IS TO BE PROVIDED TO THE LANDSCAPE ARCHITECT

SEEDING

- SOW DURING CALM WEATHER (WINDS LESS THAN 10 KM/H) USING MECHANICAL EQUIPMENT. TO THE APPROVAL OF THE CITY. SEED AT A RATE AS PER SUPPLIER'S RECOMMENDATIONS, SOW HALF OF REQUIRED AMOUNT OF SEED IN ONE DIRECTION AND REMAINDER AT OFF-SET ANGLES OR TO OVERLAP IN THE SAME DIRECTION TO MAKE 2 PASSES. INCORPORATE SEED INTO SOIL TO A MINIMUM DEPTH OF 1 CM (3/8") ANGLUS) OR WITHIN ONE HOUR AFTER SEEDING OPERATION. MIX CAREFULLY WITH LIGHT CHAIN HARKOW OR WIRE RAKES AND ROLL AREA IMMEDIATELY AFTER SEEDING WITH WATER-BALLAST TYPE LAWN OR AGRICULTURAL TYPE ROLLER.
- IF CONDITIONS ARE DRY, WATER WITH FINE SPRAY TO ALLOW GERMINATION, BUT AVOID WASHING OUT OF SEED. APPLY ENOUGH WATER TO ENSURE PERCOLATION TO MINIMUM 50 MM DEPTH.
- RESEED AT 2 WEEK INTERVALS WHERE GERMINATION HAS FAILED.
- PROTECT SEEDER AREAS AGAINST DAMAGE USING A METHOD APPROVED BY THE LANDSCAPE ARCHITECT. REMOVE THIS PROTECTION AFTER SEEDER AREAS HAVE BEEN ACCEPTED BY THE LANDSCAPE ARCHITECT.

PROTECTION

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL TREES AND SHRUBS FOR WINTER PROTECTION AND FROM RODENT INJURY FOR THE DURATION OF THE GUARANTEE PERIOD.
- PROTECTIVE GUARDS ARE TO BE EMPLOYED AROUND THE BASE OF DECIDUOUS TREES. - OLDEST PLASTICS (116-100-040) SPIRAL TREE GUARD - 700mm HEIGHT.
- THE GUARDS SHALL BE INSTALLED PRIOR TO THE APPLICATION OF THE MULCH.
- THE GUARDS ARE TO BE REMOVED FROM THE TREES AT THE END OF THE MAINTENANCE PERIOD, OR UNLESS OTHERWISE STATED.
- ALL SHRUBS, SAPLINGS, AND CONIFEROUS TREES SHALL HAVE AN APPLICATION OF "SODOT" OR APPROVED EQUIVALENT RODENT FORMULA TO BE APPLIED AT THE END OF OCTOBER. FOLLOW MANUFACTURER'S DIRECTIONS FOR APPLICATION.
- WRAPPING OF ALL DECIDUOUS TREES, IF REQUIRED, SHALL COMMENCE ONLY UNDER EXPERIENCED SUPERVISOR ONLY TO THE SPECIFICATIONS OF THE LANDSCAPE ONTARIO HORTICULTURAL TRADES ASSOCIATION (LHTA).
- CONIFEROUS TREES SHALL BE WRAPPED FOR THE FIRST YEAR AFTER PLANTING, AND THE SECOND IF CONDITIONS REQUIRE.

**STAKING OF TREES** - ON MUNICIPAL PROPERTY SHALL BE INSTALLED AS PER MUNICIPAL STANDARDS OTHERWISE, REFER TO PLANTING DETAILS.

**GENERAL MAINTENANCE**  
PROPER MAINTENANCE PROCEDURES ARE TO BE FULLY ADMINISTERED FOR ALL NEWLY CONSTRUCTED LANDSCAPE WORK. IN ACCORDANCE WITH LANDSCAPE ONTARIO SPECIFICATIONS (SECTION 1E - MAINTENANCE WORK). THIS SHALL APPLY ONLY DURING THE CONSTRUCTION PERIOD, UNLESS OTHERWISE SPECIFIED. CONTRACTOR IS RESPONSIBLE FOR MAINTENANCE OF SOD AND PLANTING UNTIL FINAL ACCEPTANCE BY LANDSCAPE ARCHITECT.

GUARANTEE PERIOD

PROVIDE ONE FULL YEAR GUARANTEE ON ALL LANDSCAPE WORK FROM DATE OF FINAL ACCEPTANCE BY LANDSCAPE ARCHITECT. GUARANTEE PERIOD MAY BE EXTENDED TO TWO FULL YEARS DEPENDING ON MUNICIPAL STANDARDS. CONTRACTOR TO VERIFY WITH OWNER AND LANDSCAPE ARCHITECT PRIOR TO WORK COMMENCING.

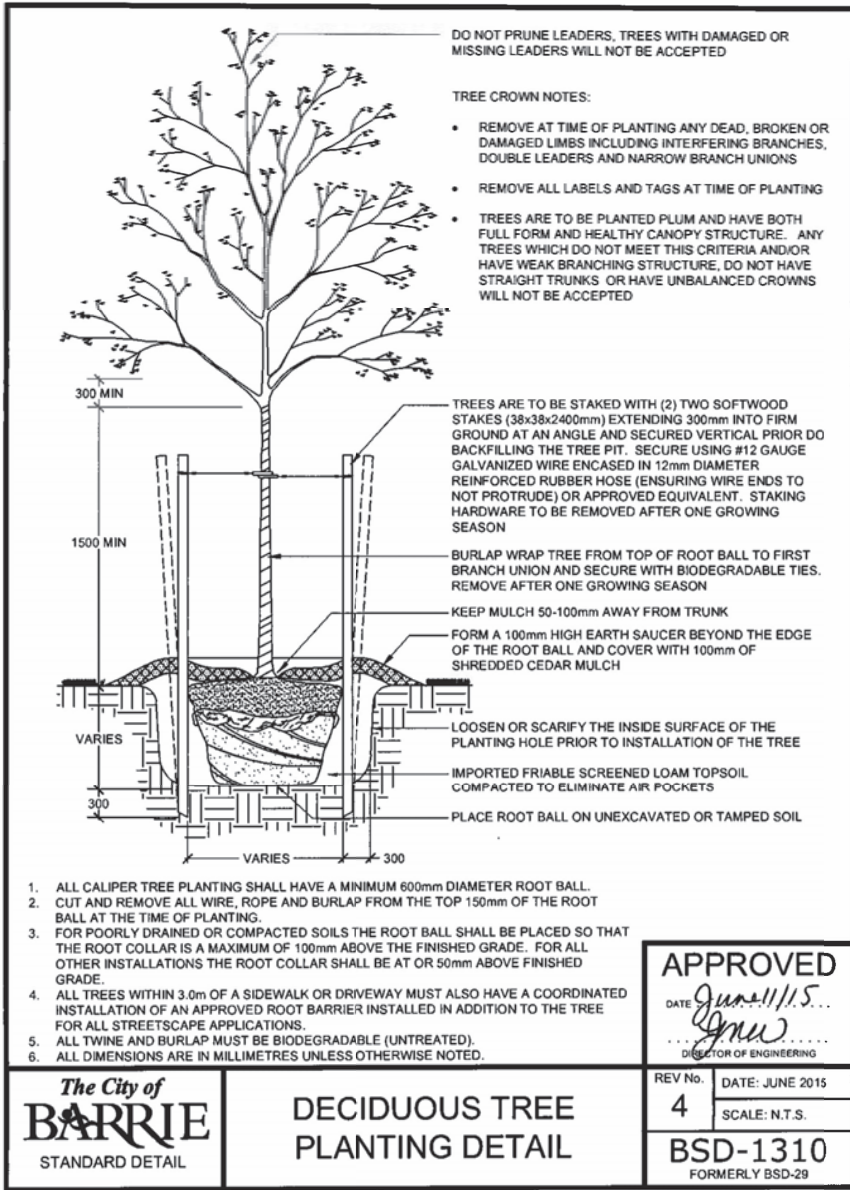
NEITHER THE FINAL CERTIFICATE OF COMPLETION OR PAYMENT CERTIFICATE OR ANY PROVISION OF THE CONTRACT DOCUMENTS SHALL RELIEVE THE LANDSCAPE CONTRACTOR FROM RESPONSIBILITY FOR FAULTY MATERIALS OR WORKMANSHIP WHICH APPEAR WITHIN A PERIOD OF TWO YEARS FROM THE DATE OF ACCEPTANCE OF THE WORK BY THE LANDSCAPE ARCHITECT AND GOVERNING AUTHORITIES.

THE LANDSCAPE CONTRACTOR SHALL REMEDY ANY DEFECTS DUE HEREIN AND PAY FOR ANY DAMAGE TO OTHER WORK RESULTING THEREFROM WITHIN A PERIOD OF TWO YEARS. ALL PLANT MATERIAL USED AS REPLACEMENT FOR UNACCEPTABLE PLANT MATERIAL SHALL BE OF THE SAME QUALITY AND REQUIREMENTS PRESCRIBED FOR THE ORIGINAL MATERIAL UNLESS OTHERWISE DIRECTED BY THE LANDSCAPE ARCHITECT. SHOULD THE LANDSCAPE CONTRACTOR DESIRE TO CHANGE THE MATERIAL DUE TO SITE CONDITIONS, APPROVAL MUST BE GIVEN BY THE LANDSCAPE CONTRACTOR.

THE COST OF REPLACEMENT DURING THE WARRANTY PERIOD RESULTING FROM THEFT, VANDALISM, CARELESSNESS OR NEGLIGENCE ON THE PART OF OTHERS, OR ANY CAUSES DUE TO CIRCUMSTANCES BEYOND THE CONTROL OF THE LANDSCAPE CONTRACTOR SHALL BE BORNE BY THE OWNER.

GENERAL REQUIREMENTS

USE ABOVE SPECIFICATIONS IN CONJUNCTION WITH THE GENERAL LANDSCAPE SPECIFICATIONS OF THE LANDSCAPE ONTARIO HORTICULTURAL TRADES ASSOCIATION (LHTA) AND THE NURSERY SOD GROWERS ASSOCIATION OF ONTARIO.

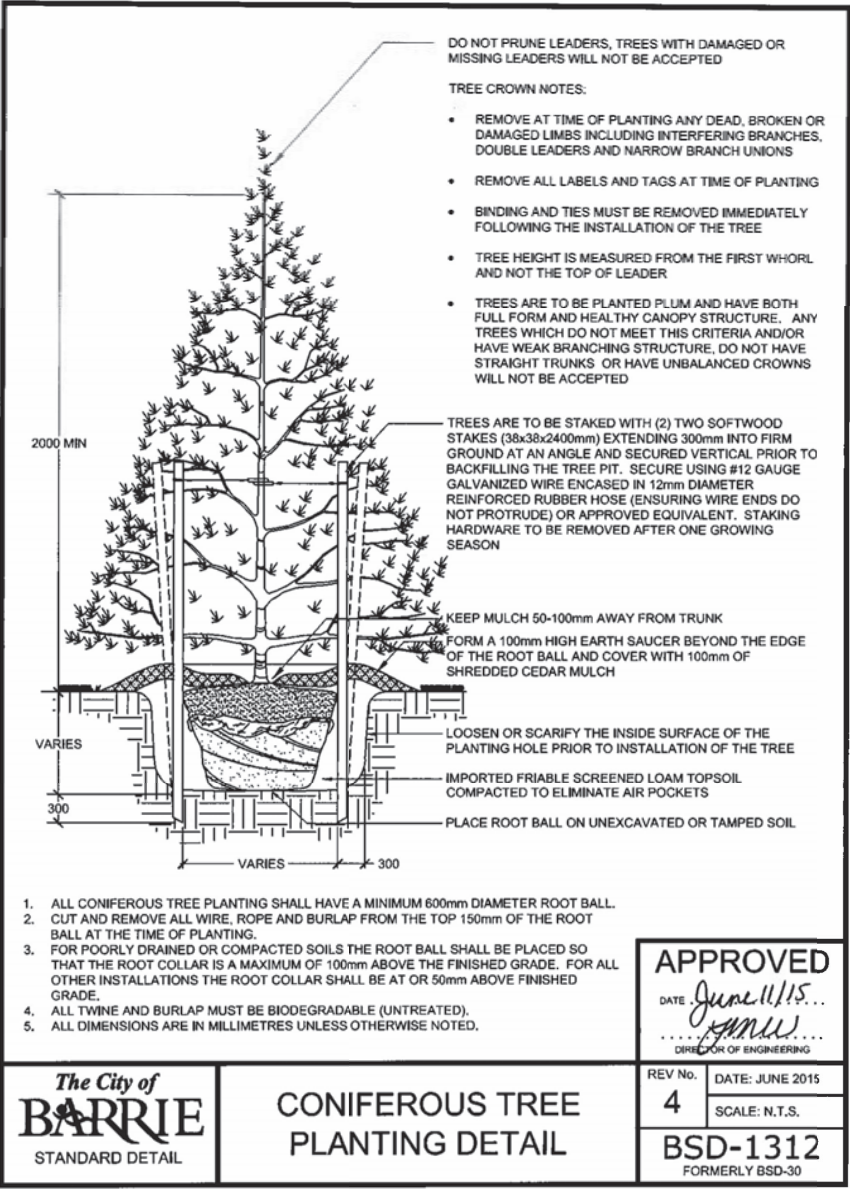


DECIDUOUS TREE PLANTING DETAIL

N.T.S.

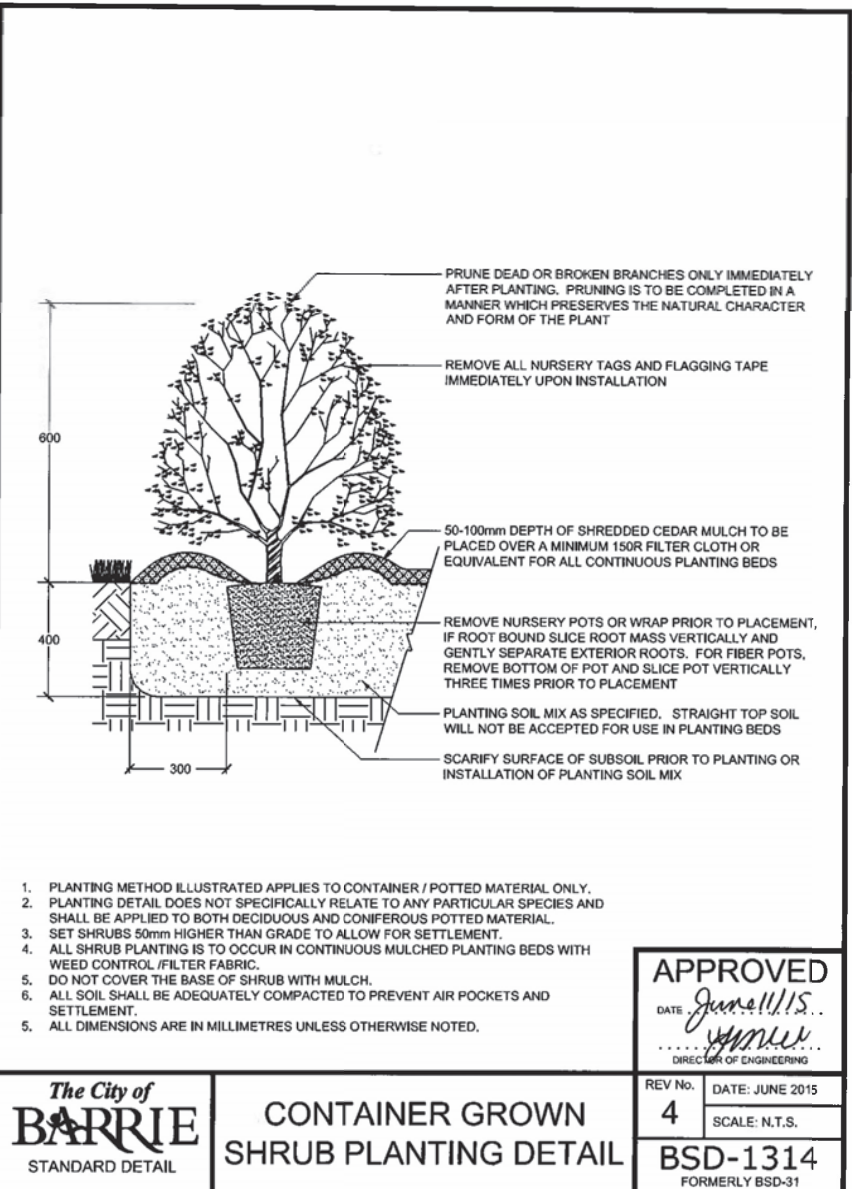
GENERAL NOTES

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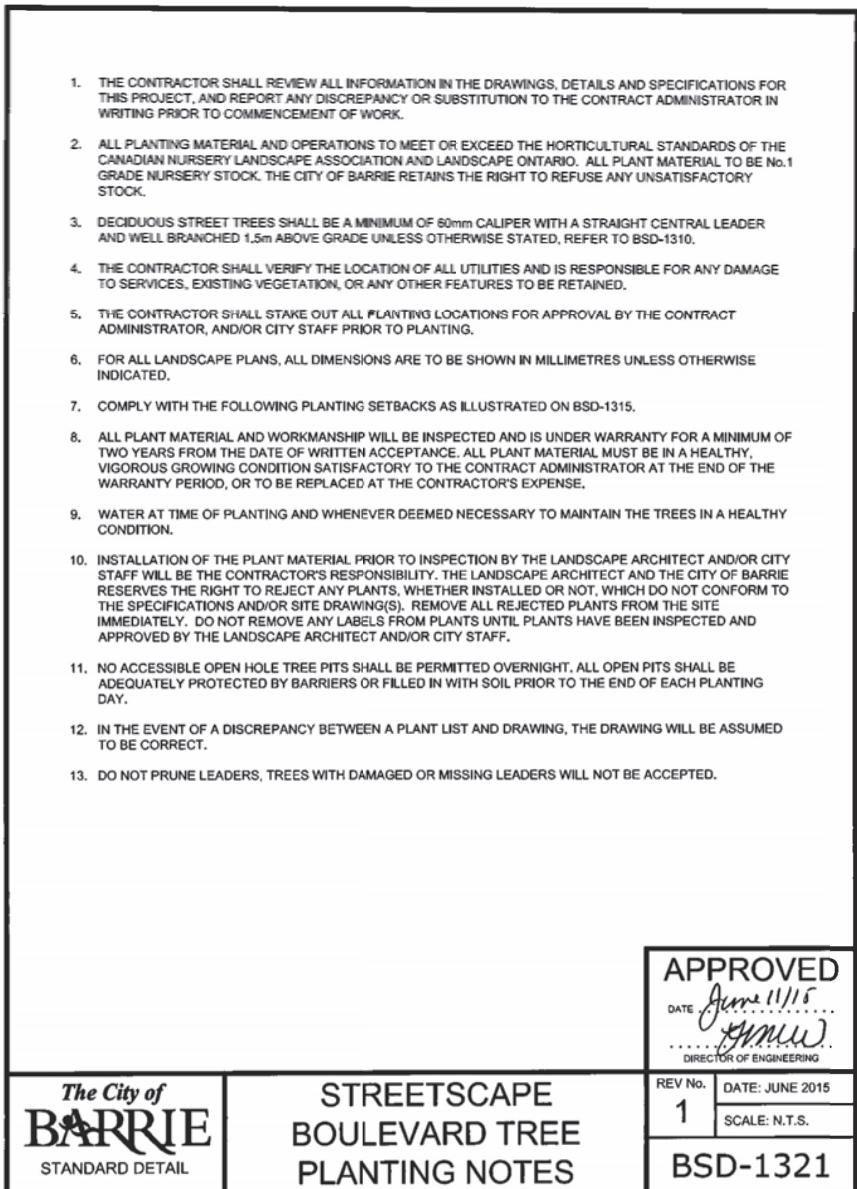
CONFEROUS TREE PLANTING DETAIL

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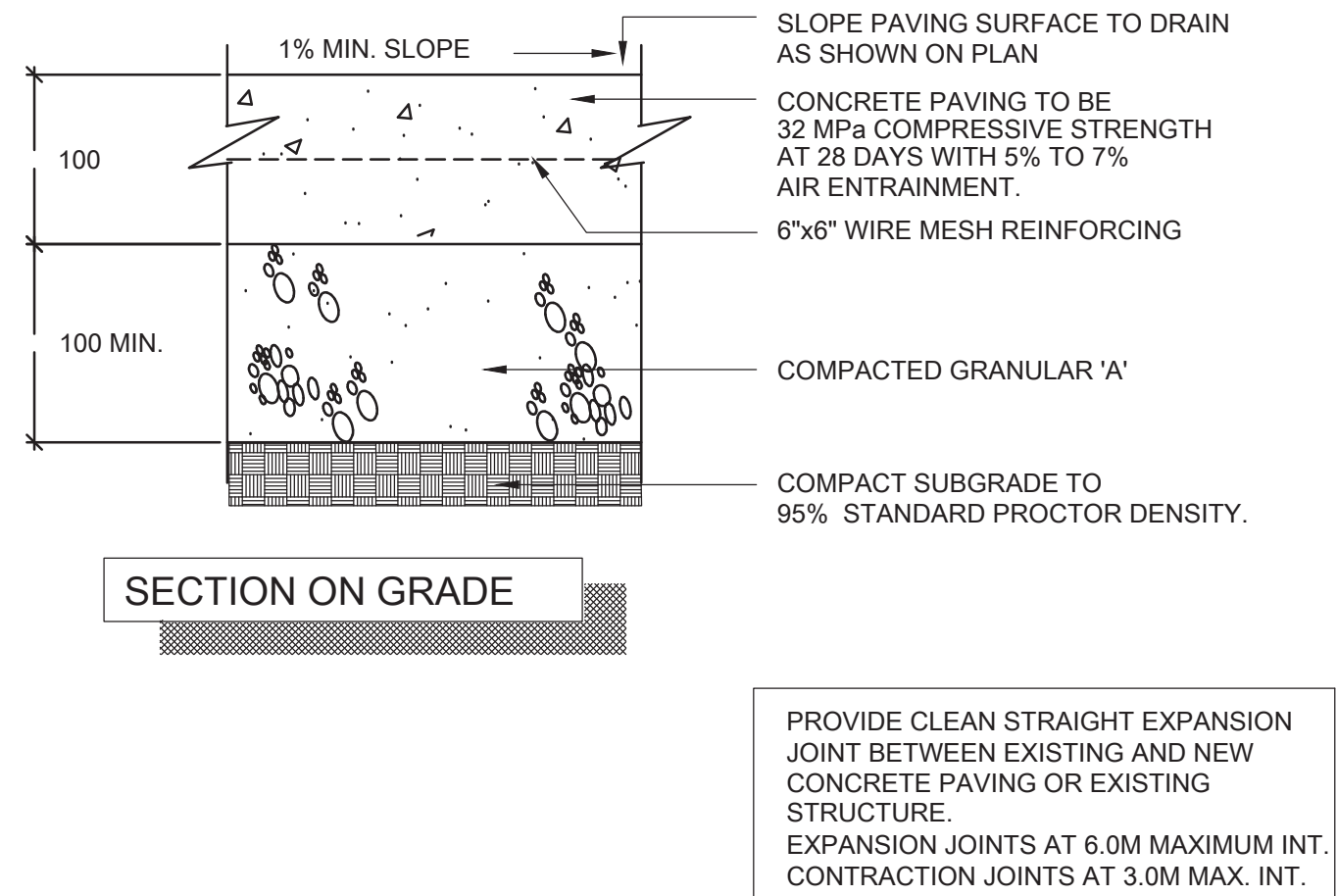
SHRUB PLANTING DETAIL

N.T.S.



STREETSCAPE BOULEVARD TREE PLANTING NOTES

N.T.S.

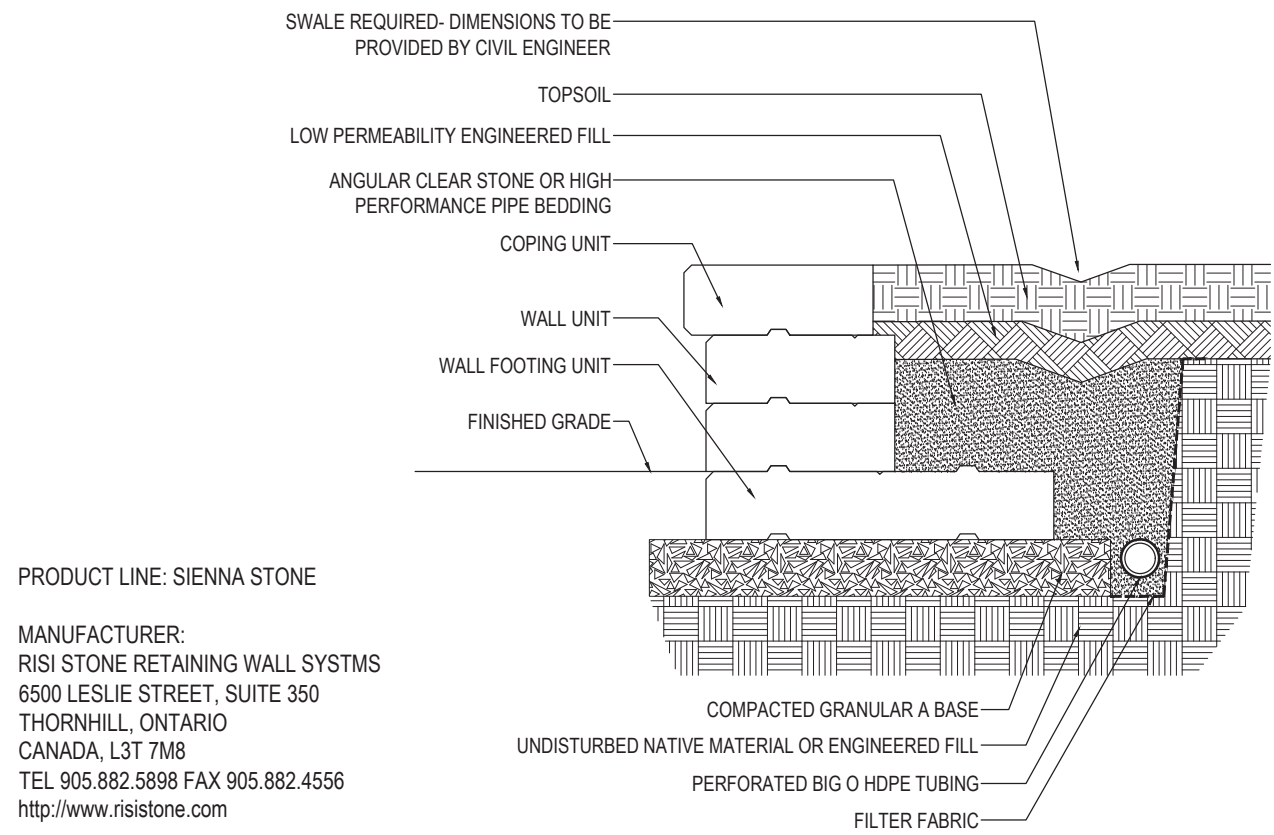


NOTE: AT ALL DRIVEWAYS, SIDEWALK THICKNESS SHALL BE 180mm AND SLOPED TO ACCOMMODATE CURB CUTS.

PEDESTRIAN CONCRETE PAVING

N.T.S.

NOTE:  
WALL TO BE DETAILED ACCORDING TO MANUFACTURER'S SPECIFICATIONS.  
CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR REVIEW PRIOR TO CONSTRUCTION.



PRECAST CONCRETE RETAINING WALL

N.T.S.

P-2020-20.147-09

NOT FOR CONSTRUCTION

1	ISSUED FOR SPA	2020-10-27	TL
no.	revision	date	by

CONTRACTOR MUST VERIFY ALL DIMENSIONS ON THE JOB AND REPORT ANY DISCREPANCY TO THE LANDSCAPE ARCHITECT BEFORE PROCEEDING WITH THE WORK.  
ALL DRAWINGS AND SPECIFICATIONS ARE INSTRUMENTS OF SERVICE AND THE PROPERTY OF THE LANDSCAPE ARCHITECT WHICH MUST BE RETURNED AT THE COMPLETION OF THE WORK.  
ALL DRAWINGS TO BE USED FOR CONSTRUCTION ONLY WHEN SIGNED BY THE LANDSCAPE ARCHITECT.

signed \_\_\_\_\_ date \_\_\_\_\_

STUDIO **tl**a  
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CLIENT 76 BRYNE DRIVE

BARRIE, ONTARIO

PROJECT LANDSCAPE DETAILS

DRAWING	TL
CHECKED:	
SCALE:	N.T.S.
DATE:	2020-08-14
PROJECT NO.:	20-147



LD-100

SHEET NO.: