Tel. 416 492-9966 • Fax. 416 492-0426 • E-mail. msla@msla.ca

Architect:

PLANTING SOIL MIXTURE: (Mix thoroughly)

Contact consultants for proper soil mixture, before proceeding

- STAKING: Secure three (3) stakes to main

tree trunk with approved short hemp rope.

bark. Secure into ground with a minimum

Ensure the stakes are not in contact with the

MULCHING: Provide 102 (4") shredded bark

mulch forming a saucer around base of tree.

Maintain the original grade or slightly higher.

- CUT AND REMOVE: burlap from top  $\frac{1}{3}$  of ball.

FERTILIZER: Two (2) 21 gram Agriform tablets

for wach 25 (1") of trunk diameter (or approved

higher to suit site conditions.

SCARIFY: edges to allow for

**GRADES**: Maintain original grade of

- 150 x 150 P.T. post

- 50 x 100 top cap

— 50 x 100 top rail

— 25 x 150 vertical

- 50 x 100 middle rail

Support brackets

75 x 75 x 25 wide, 6 mm thick

50 x 100 bottom rail

- 50 x 100 bottom cap

Concrete Footing 25

MPa in 28 days to CSA

minimum standards

tree base after planting, or slightly

method by Landscape Architect).

root penetration

ALL GIVEN DIMENSIONS ARE IN METRIC

WIRE BASKETS OR STRING ON ROOT

BALL - CUT AND TOP REMOVE 3/3

UNDISTURBED SOIL

C. Add 0.58 kg (1 lb) of bonemeal per cubic yard of soil

depth of 350 (1'-6").

D. Soil mixture should be firmly compacted to eliminate air

A. For ideal situations mix:

B. For clay or wet situations:

pockets and prevent settlement.

1 part peat moss

6 parts good quality topsoil

2 parts well rotted cow manure

Issued for Resubmission 10/20/15 07/08/14 Revised per Comments 05/28/14 Revised per Grading Plan 04/30/14 Revised per Comments 01/30/14 Revised per Grading Plan 01/06/14 Revised per Site Plan 09/30/13 Issued for Coordination 12/12/11 Issued for Coordination 10/12/11 Issued for Coordination No. Revision Date North: Stamp:

**Proposed Commercial** Development Bank Street & Mitch Owens Road

Greely, Ontario

Scale: As Shown Date: Dec. 2011 Drawn By: **J.C.** Checked By:

LANDSCAPE SPECIFICATIONS

CONTRACTOR MUST CONTACT ALL UTILITY COMPANIES FOR STAKE OUTS PRIOR TO ANY EXCAVATION OR PLANTING. ROUGH GRADING

ROUGH GRADE AND FILL AREAS TO ESTABLISH SUBGRADE AS REQUIRED. PROVIDE DRAINAGE PATTERN AS INDICATED ON DRAWINGS. ROUND SMOOTHLY ALL TOPS AND TOES OF SLOPES. COMPACT ALL AREAS TO 95% STANDARD PROCTOR DENSITY UNLESS SPECIFIED OTHERWISE. EXISTING TREES TO REMAIN ON SITE ARE TO BE PROTECTED AS DETAILED.

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 33 1/3% (3:1). SPREADING OF TOPSOIL

SCARIFY THE SUBSOIL PRIOR TO THE SPREADING THE TOPSOIL. REMOVE ALL DEBRIS AND LEAVE A FINE-TEXTURED EVEN SURFACE. ALL TOPSOIL TO BE IMPORTED UNLESS. PREVIOUSLY APPROVED BY LANDSCAPE ARCHITECT. OBTAIN APPROVAL FOR THE QUALITY OF ANY IMPORTED TOPSOIL BEFORE DELIVERY TO THE SITE. TOPSOIL IS TO BE COMPACTED TO CREATE A FIRM AND EVEN SURFACE.

USE NO. 1 GRADE TURFGRASS NURSERY SOD WHICH CONFORMS WITH THE SPECIFICATIONS OF THE NURSERY SOD GROWERS ASSOCIATION OF ONTARIO. ALL LAWN AREAS SHALL RECEIVE A MINIMUM OF 100MM (4") OF COMPACTED TOPSOIL, AND SHALL BE SODDED WITH #1 KENTUCKY BLUEGRASS - FESCUE. NO SOD SLOPES ARE TO EXCEED 3:1. SLOPE IN EXCESS OF 4:1 TO BE PEGGED.

MINERAL FERTILIZER

APPLY THE FOLLOWING MINERAL FERTILIZER UNLESS SOILS TESTS SHOW OTHER REQUIREMENTS:

1. SODDED AREAS - 11% NITROGEN, 8% PHOSPHORUS AND 4% POTASH (11-8-4) AT THE RATE OF 4.5 KG OVER M2 (10 LBS OVER 1000 SQ.

2. PLANTING BEDS - 7% NITROGEN, 7% PHOSPHORUS AND 7% POTASH (7-7-7) AT THE RATE OF 40 GRAMS (4 OZ.) FOR EVERY BUSHEL OF

PREPARATION OF PLANTING BEDS

ALL PLANT BEDS TO BE CONTINUOUS. EXCAVATE ALL PLANTING BEDS TO THE DEPTH AS INDICATED ON THE DRAWINGS AND DETAILS, MIN 450mm(18"). BACKFILL ALL PLANTING BEDS WITH A SOIL MIXTURE CONSISTING OF SIX (6) PARTS OF SAND LOAM, ONE (1) PART OF FINELY PULVERIZED PEAT MOSS, TWO (2) PARTS OF WELL-ROTTED MANURE AND THE MINERAL FERTILIZER AS SPECIFIED ABOVE. ALSO ADD .58 KILOS BONEMEAL/CUBIC METER OF PLANTING SOIL (1 LB./CUBIC YARD). PREPARE THE PLANTING BEDS FOR PLANTING BEFORE THE DELIVERY OF THE PLANT MATERIAL TO THE JOB SITE.

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

ALL PLANT MATERIAL SHALL CONFORM TO THE STANDARDS OF THE CANADIAN NURSERY TRADES ASSOCIATION FOR SIZE AND

ALL SHRUB AND TREE MATERIAL SHALL BE CONTAINER GROWN, POTTED, S/B OR B/B, UNLESS OTHERWISE NOTED. BARE ROOT PLANTING SHALL BE ACCEPTABLE FOR CERTAIN SPECIES DURING EARLY SPRING OR LATE FALL PLANTING SEASON. 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.

## LANDSCAPE SPECIFICATIONS

SCALE: N.T.S. DATE:

Shrubs to be wrapped with

burlap or approved equal

during guaruntee period.

REFER TO PLAN FOR LOC

PLANT MATERIAL INSTALLATION

ALL TREES, SHRUBS AND GROUNDCOVERS SHALL BE PLANTED AS DETAILED & AS SHOWN ON THE PLANTING PLAN. ALL BEDS TO RECEIVE A COVER OF CLEAN MULCH TO A DEPTH OF 75mm(3"). FOR GUYING AND STAKING TREES, REFER TO PLANTING DETAILS. WRAP ALL DECIDUOUS TREES UNDER EXPERIENCED SUPERVISION ONLY TO THE SPECIFICATIONS OF THE ONTARIO LANDSCAPE CONTRACTORS ASSOCIATION.

PLANT MATERIAL SIZES AND CONDITIONS ARE TO BE AS INDICATED ON THE LANDSCAPE DRAWING.

THE INDIVIDUAL PLANT GROUPING TOTAL 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

\* MULCH - SHREDDED PINE MULCH BY "GRO BARK" OR APPROVED EQUAL. LANDSCAPE ARCHITECT TO APPROVE MULCH BEFORE INSTALLATION.

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.

RODENT 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 GUARANTY PERIOD. PROTECTIVE GUARDS SHALL BE EMPLOYED AROUND ALL DECIDUOUS TREES. GUARDS TO BE 150MM DIA. PVC PIPE OR AS MUNICIPAL GUIDELINES. GUARDS SHALL BE INSTALLED PRIOR TO THE APPLICATION OF THE MULCH AND SHOULD BE PLACED A MINIMUM OF 50MM (2") OUT FROM THE TREE TRUNK ON ALL SIDES.

ALL SHRUBS AND CONIFEROUS TREES SHALL HAVE AN APPLICATION OF "SKOOT" OR APPROVED EQUIVALENT RODENT FORMULA, TO BE APPLIED AT THE END OF OCTOBER. FOLLOW MANUFACTURER'S DIRECTIONS FOR APPLICATION.

GENERAL REQUIREMENTS

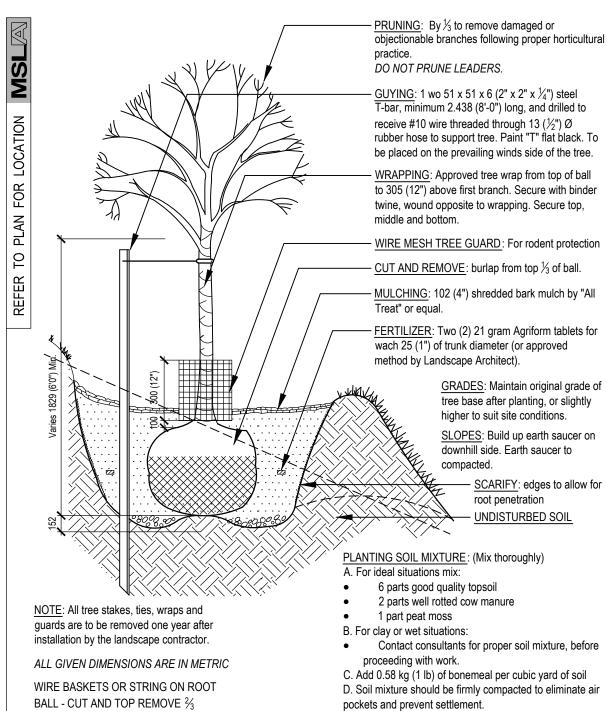
USE ABOVE SPECIFICATIONS IN CONJUNCTION WITH THE GENERAL LANDSCAPE SPECIFICATIONS OF THE ONTARIO LANDSCAPE CONTRACTORS ASSOCIATION, THE NURSERY SOD GROWERS ASSOCIATION OF ONTARIO AND WITH THE GUIDE SPECIFICATIONS FOR NURSERY STOCK OF THE CANADIAN NURSERY TRADES ASSOCIATION. USE ONLY PLANT MATERIAL TRUE 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 SPECIMEN OR BUNDLE.

OBTAIN APPROVAL FOR SUBSTITUTIONS AS TO VARIETY, SIZE OR GRADE FROM THE LANDSCAPE ARCHITECT. USE ONLY NURSERY STOCK GROWN UNDER PROPER HORTICULTURAL PRACTICES, VIABLE, FREE FROM PEST AND DISEASE AND UNDAMAGED. 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 SUPERCEDED BY ADDITIONAL SPECIFICATIONS SET OUT IN THE TENDER DOCUMENTS. CONTRACTOR TO REVIEW ALL DOCUMENTS.

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

## PLANT MATERIAL INSTALLATION

SCALE: N.T.S. DATE:



objectionable branches following proper horticultural

SCALE: N.T.S. DATE:

STANDARD DECIDUOUS TREE DETAIL

SELECT POWDERCOAT COLOR: GRAPHITE VERDIGRIS □BRONZE □NICKLE NATURE COLLECTION
SAGE varies (1240 min.) ☐WINTER GRASS
☐NICKLE refer to number of rings ☐SAGE ☐WINTER GRASS □DUSK □AUTUMN □EVERGREEN
□ONYX NUMBER OF RINGS:

1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. 2. DO NOT SCALE DRAWINGS. 3. ALL PARTS MADE FROM SOLID STEEL FLAT BAR & H.S. STEEL TUBE.

4. ALL STEEL COMPONENTS ARE PROTECTED W/ E-COAT RUST PROOFING. DELIVERED PRE-ASSEMBLED. AVAILABLE AS SURFACE MOUNT INSTALLATION.
 CONTRACTORS NOTE: FOR PRODUCT AND COMPANY INFORMATION VISIT www.CADdetails.com/info

SCALE: N.T.S. DATE:

EXTEND THE FULL WIDTH OF THE CURB RAMP DEEP BROOM FINISHED SMOOTH CONCRETE TYP. REFER TO PLAN FOR CONCRETE PAVING DETAIL THE CORRECT DIRECTION OF TRAVEL. 13mm MAX GROOVE DEPTH AND 75-100mm BETWEEN GROOVES. SURFACE SHOULD BE COLOUR AND AXONOMETRIC VIEW TEXTURE CONTRASTED (70%) WITH ADJACENT SURFACE. REFER TO CURB OPSD-600.110 TOE OF RAMP 6-13mm HIGH | REFER TO PLAN ASPHALT PAVING - EXPANSION JOINT FOR CONC. AS SPECIFIED INFORMATION BITUMINOUS FIBRE <u>∞∞∞° ωνος οωνος φο</u> CONC. PAVING SEE DETAIL — COMPACTED SUBGRADE TO 95% S.P.D. - 150 GRANULAR 'A' SECTION COMPACTED TO 95% S.P.D. -REFER TO CURB DETAIL AS PER OPSD-600.110 CONCRETE ACCESSIBLE RAMP DETAIL

SCALE: N.T.S. STANDARD CONDITION

BIKE RACK BY MALGIN: MODEL MBR 300 (7 RINGS)

MULCHING: 102 (4") shredded bark mulch be "All Treat" or equal. CUT AND REMOVE: burlap from top  $\frac{1}{3}$  of ball as shown. (B.B. as per FERTILIZER: Two (2) 21 gram Agriform tablets or approved equivalent for each shrub in bed. size outlined on drawings, minimum 457 (18") depth.

 6 parts good quality topsoil Remove any subsoil or rubbish off site unless 2 parts well rotted cow manure otherwise directed. 1 part peat moss SPACING: As directed.

B. For clay or wet situations: Contact consultants for proper soil mixture, before proceeding

C. Add 0.58 kg (1 lb) of bonemeal per cubic yard of soil D. Soil mixture should be firmly compacted to eliminate air pockets and prevent settlement.

STANDARD SHRUB PLANTING DETAIL

PLANTING SOIL MIXTURE: (Mix thoroughly)

SCALE: N.T.S. DATE:

A. For ideal situations mix:

PREPARATION OF BED: Excavate shrub bed to

FOR RODENT CONTROL: See landscape

specifications or apply "Skoot" at the end of October.

Note: All tree stakes, ties and guards are to be removed

one year after installation by the landscape contractor.

PRUNING: (To suit species)

Prune to remove damaged or

proper horticultural practice.

DO NOT PRUNE LEADERS.

to species and size of shrub

Provide 102 (4") saucer.

objectionable branches following

GUYING: As directed; appropriate

REFER TO PLAN FOR LOCATION

board bolted to building - obtain architect's permission NOTES: prior to installation. Wood fence must not extend stamps of C.L.S. certified agency, and to CWPB & NLGA standard. beyond property line. 2. Secure all lumber with 51 (2") hot dipped galvanized spiral nails, brackets, and necessary hardware, -150 x 150 post 3. Finish with 2 coats of approved stain (before backfilling to grade), -50 x 100 top/mid/bottom rail 4. Install fence on compacted subgrades, 95 % S.P.D. —50 x 100 top cap 5. Top rails and cap to be installed level; step fence sections at 25 x 150 vertical boards equal amounts, ie., 150, or 300 mm; to suit finish grades of site. 6. Maintain minimum height of fence as indicated. 7. All materials, components and workmanship to conform to the

IF AT BUIDLING FACE: Replace 6 x 6 post with 2 x 4

4

**SECTION** 

NOTE: All tree stakes, ties, wraps and guards are

STANDARD CONIFEROUS TREE DETAIL

to be removed one year after installation by the

landscape contractor.

Ontario Building Code and other applicable local municipal by-laws.

**ELEVATION** 

1. Use pressure treated red pine, jack pine; all wood to bear grading

1800 (6'-0") WOOD PRIVACY FENCE ON GRADE SCALE: N.T.S. DATE:

> Drawing Title: Landscape **Details**

> > Project No. 11212