

Client:

CITY PARK (MAIN ST.) INC.

Municipality:



Notes:

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 TIES OF SLOPES. CONTRACT ALL AREAS TO 95% STANDARD PROCTOR DENSITY UNLESS SPECIFIED OTHERWISE. EXISTING TREES TO REMAIN ON SITE ARE TO BE PROTECTED AS DETAILED.

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 (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.

SOD

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

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 TOPSOIL.

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 (SAND 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 (125 LBS) OF BONEMEAL PER 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.

PLANT MATERIALS

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

ALL SHRUBS 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: LD-01

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 DISCREPANCIES.

* 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 GUARANTEE 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 SUPERSEDED BY ADDITIONAL SPECIFICATIONS SET OUT IN THE TENDER DOCUMENTS. CONTRACTOR TO REVIEW ALL DOCUMENTS.

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.

PLANT MATERIAL INSTALLATION

SCALE: N.T.S. DATE: LD-01

WINTER PROTECTION

Shrubs to be wrapped with burlap or approved equal during guarantee period.

PRUNING: (To suit species)
Prune to remove damaged or objectionable branches following proper horticultural practice. **DO NOT PRUNE LEADERS.**

GUYING: As directed; appropriate to species and size of shrub

MULCHING: 102 (4") shredded bark mulch be "All Treat" or equal. Provide 102 (4") saucer.

CUT AND REMOVE: burlap from top 1/3 of ball as shown. (B.B. as per plant list)

FERTILIZER: Two (2) 21 gram Agrifom tablets or approved equivalent for each shrub in bed.

PLANTING SOIL MIXTURE: (Mix thoroughly)
A. For ideal situations mix:
• 5 parts good quality topsoil
• 2 parts well-rotted cow manure
• 1 part peat moss
B. For clay or wet situations:
• Contact consultants for proper soil mixture, before proceeding with work
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.

PREPARATION OF BED: Excavate shrub bed to size outlined on drawings, minimum 457 (18") depth. Remove any subsoil or rubbish off site unless otherwise directed.

SPACING: As directed.

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.

STANDARD SHRUB PLANTING DETAIL

SCALE: N.T.S. DATE: LD-01

PRUNING: By 1/2 to remove damaged or objectionable branches following proper horticultural practice. **DO NOT PRUNE LEADERS.**

WRAPPING: Approved tree wrap from top of ball to 305 (12") above first branch. Secure with binder twine, wound opposite to wrapping. Secure top, middle and bottom.

GUYING: 1 wo 51 x 51 x 6 (2" x 2" x 1/2") wood T-bars, minimum 2.438 (8'0") long, and drilled to receive #10 wire threaded through 13 (1/2") O rubber hose to support tree. Paint "T" flat black.

WIRE MESH TREE GUARD: For rodent protection

CUT AND REMOVE: burlap from top 1/3 of ball.

MULCHING: 102 (4") shredded bark mulch by "All Treat" or equal.

FERTILIZER: Two (2) 21 gram Agrifom tablets for each 25 (1") of trunk diameter (or approved method by Landscape Architect).

GRADES: Maintain original grade of tree base after planting, or slightly higher to suit site conditions.

SLOPES: Build up earth saucer on downhill side. Earth saucer to be compacted.

SCARIFY: edges to allow for root penetration

UNDISTURBED SOIL

PLANTING SOIL MIXTURE: (Mix thoroughly)
A. For ideal situations mix:
• 5 parts good quality topsoil
• 2 parts well-rotted cow manure
• 1 part peat moss
B. For clay or wet situations:
• Contact consultants for proper soil mixture, before proceeding with work.
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.

NOTE: All tree stakes, ties, wraps and guards are to be removed one year after installation by the landscape contractor.

ALL GIVEN DIMENSIONS ARE IN METRIC

WIRE BASKETS OR STRING ON ROOT BALL - CUT AND TOP REMOVE 1/2

STANDARD DECIDUOUS TREE DETAIL

SCALE: N.T.S. DATE: LD-01

SOLID HOARDING DETAIL

88mm x 88mm (4" x 4") Wood Post/Filter supports, firmly secured into undisturbed subgrade.

12mm x 1.2m x 2.4m (1/2" x 4' x 8') Plywood boards secured firmly to Wood Posts/Filter supports.

38mm x 88mm (2" x 4") Top & Bottom Rail.

2.0m (6' 6") maximum spacing between post.

Existing Grade.

Undisturbed Subgrade.

FRAMED HOARDING DETAIL

2.0m (6' 6") maximum spacing between post.

Drip Line.

88mm x 88mm (2" x 4") Top & Bottom Rail.

Existing Grade.

Undisturbed Subgrade.

1.2m (4').

2.3m (7' 6").

Metal T-Bar Supports.

Plastic Safety Fencing.

NOTES:

1. Hoarding details to be determined following initial site inspection.
2. Private tree hoarding to be approved by Development & Design.
3. City tree hoarding to be approved by Community Services Dept.
4. Hoarding must be supplied, installed and maintained by the applicant throughout all phases of construction. Inspection must be conducted by the Development and Design Division prior to removing any/all private hoarding.
5. Do not allow water to collect and pond behind or within hoarding.
6. T-bar supports are acceptable alternative to 4x4 posts. U-shaped metal supports will not be accepted.
7. Plywood must be utilized for "solid" hoarding. OSB/Chipboard will not be accepted for solid hoarding. Plywood sheets must be installed on "construction" side of frame.
8. Applicant is responsible to ensure utility locates are completed within city boulevard prior to installing framed hoarding.

TREE PRESERVATION HOARDING

SCALE: N.T.S. DATE: June 2017

MISSISSAUGA

TREE PROTECTION FENCING DETAIL

SCALE: N.T.S. DATE: LD-01

Specifications for the Protection and Preservation of Existing Vegetation Note:

To be included on all Landscape Approval drawings for applications with existing vegetation to be preserved:

- a) All existing trees which are to remain shall be fully protected with hoarding erected beyond the drip line to the satisfaction of the Planning and Building Department prior to the issuance of the building permit. Groups of trees and other existing vegetation to be protected with hoarding around the entire area. Areas within the protective fencing shall remain undisturbed and shall not be used for the storage of building materials or equipment.
- b) No rigging cables shall be wrapped around or installed in the trees and surplus soil, equipment, debris or materials shall not be placed over the root systems of the trees within the protective fencing. No contaminants will be dumped or flushed where feeder roots of trees exist.
- c) The developer or agents shall take every precaution necessary to prevent damage to the vegetation to be retained.
- d) Where limbs or portions of trees are removed to accommodate construction, they will be removed in accordance with accepted arboricultural practice.
- e) Where root systems of protected trees adjacent to construction are exposed or damaged they shall be neatly trimmed and the area backfilled with appropriate material to prevent desiccation.
- f) Where necessary, vegetation will be given an overall pruning to restore the balance between roots and top growth, or to restore its appearance.
- g) Trees that have died or have been damaged beyond repair shall be removed and replaced at the owners expense with trees of a size and species approved by the Planning and Building Department.
- h) If grades around trees to be protected are to change, the owner shall be required to take precautions such as dry walling, retaining walls, and root feeding to the satisfaction of the Planning and Building Department.

SECTION ADJACENT BUILDING WITH CURB

Face of building

25 x 300 rigid foam insulation - continuous along building wall

Concrete unit paving - refer to plan for type and pattern of paving.

25 mm sharp clean sand - compact to 95% S.P.D.

150 mm granular "A" - compact to 95% S.P.D.

Expansion joints

Grade

Refer to curb detail

Thoroughly compacted subgrade compact to 95% S.P.D.

SECTION AT GRADE WITHOUT CURB

Concrete unit paving - refer to plan for type and pattern of paving.

25 mm sharp clean sand - compact to 95% S.P.D.

150 mm granular "A" - compact to 95% S.P.D.

Grade

Pave edge by Pave Tech Inc. installed per manufacturer's specifications.

Thoroughly compacted subgrade compact to 95% S.P.D.

PRECAST CONCRETE PAVER INSTALLATION DETAIL

SCALE: N.T.S. DATE: LD-01

MAGLIN

MAGLIN SITE FURNITURE INC.
22 DUNDAS PARK DRIVE
MISSISSAUGA, ONT. M5T 1P9
TEL: (905) 276-0000
FAX: (905) 276-0003
www.maglin.com

MATERIALS:
The Bike Rack is made from solid cast aluminum

FINISH:
The Maglin Powdercoat System provides a durable finish on all metal surfaces.

INSTALLATION:
The bike rack is delivered pre-assembled. It is available with either a surface mount or direct burial installation option.

TO SPECIFY:
Select SCBR1600 Series
Choose:
-Base Type
-Direct Burial (SCBR1600-DB)
-Surface Mount (SCBR1600-S)
-Powdercoat Colour

SELECT POWDERCOAT COLOR:

<input type="checkbox"/> FINE TEXTURED COLLECTION	<input type="checkbox"/> GLOSS COLLECTION
<input type="checkbox"/> SILVER14 - FINETEX	<input type="checkbox"/> SILVER14
<input type="checkbox"/> EVERGREEN - FINETEX	<input type="checkbox"/> EVERGREEN
<input type="checkbox"/> BLACK - FINETEX	<input type="checkbox"/> BLACK
<input type="checkbox"/> GUNMETAL - FINETEX	<input type="checkbox"/> GUNMETAL
<input type="checkbox"/> BRONZE14 - FINETEX	<input type="checkbox"/> BRONZE14
<input type="checkbox"/> SLATE - FINETEX	<input type="checkbox"/> GRANITE
<input type="checkbox"/> TITANIUM - FINETEX	<input type="checkbox"/> TITANIUM
<input type="checkbox"/> CORE TEN - FINETEX	<input type="checkbox"/> PEARL SILVER

27 1/2"

23 3/4"

25 1/2"

4"

1/2"

BIKE RING BY MAGLIN: MODEL SCBR1 600 SERIES

SCALE: N.T.S. SURFACE MOUNT MODEL LD-01

Project: 21TAM17007

Proposed Residential Development
Wyndham St. & Main St.
Mississauga, Ontario

Scale: As Shown Date: Oct. 2017

Drawn By: S.P. Checked By: L.M.

Drawing Title:

Landscape Details

Project No. 17178
Sheet No. LD-01