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Architect:

Municipality:



08 Issued for 5th Submission 02/11/25

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12/17/24

12/04/24

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Date

Proposed Industrial Development

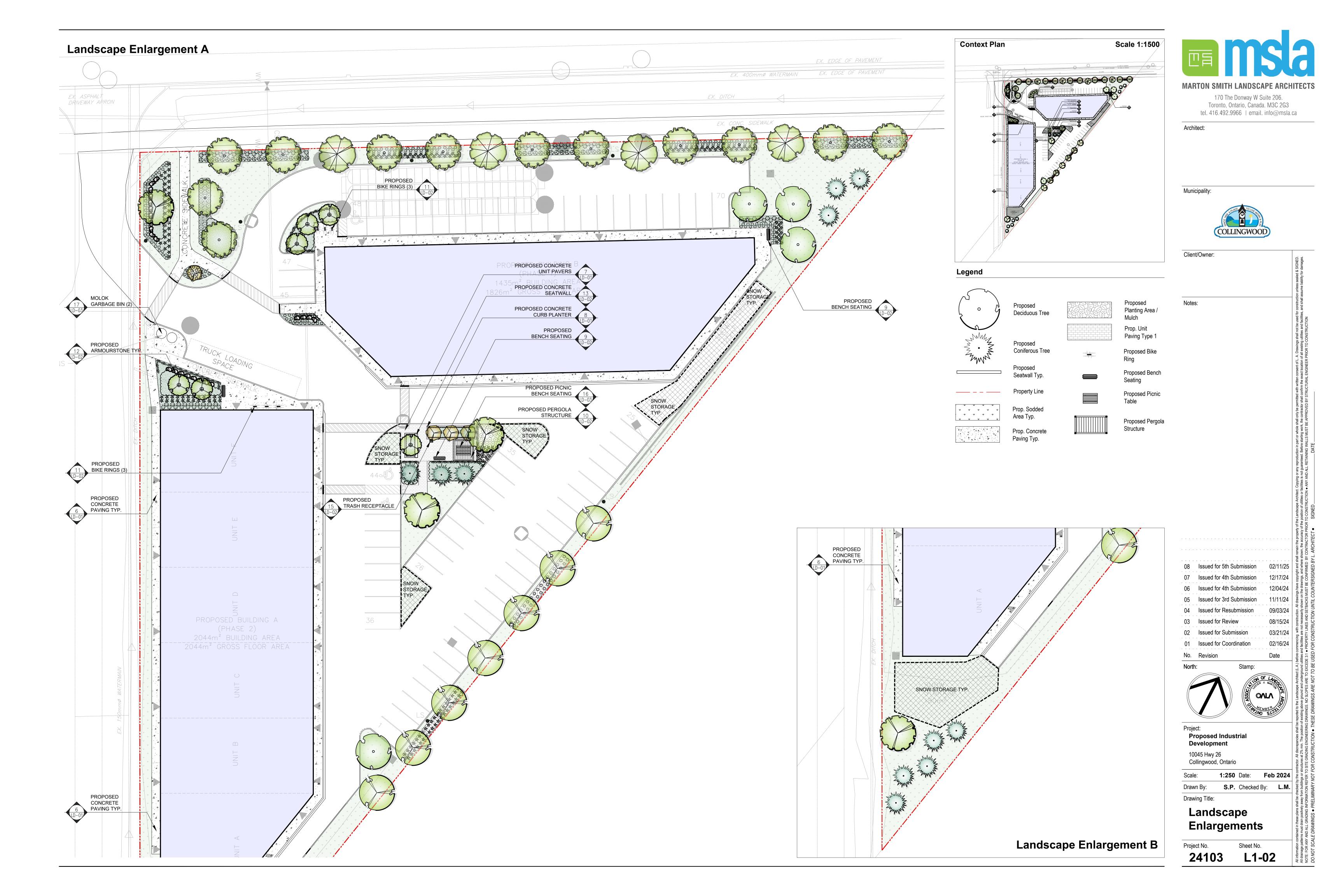
10045 Hwy 26 Collingwood, Ontario

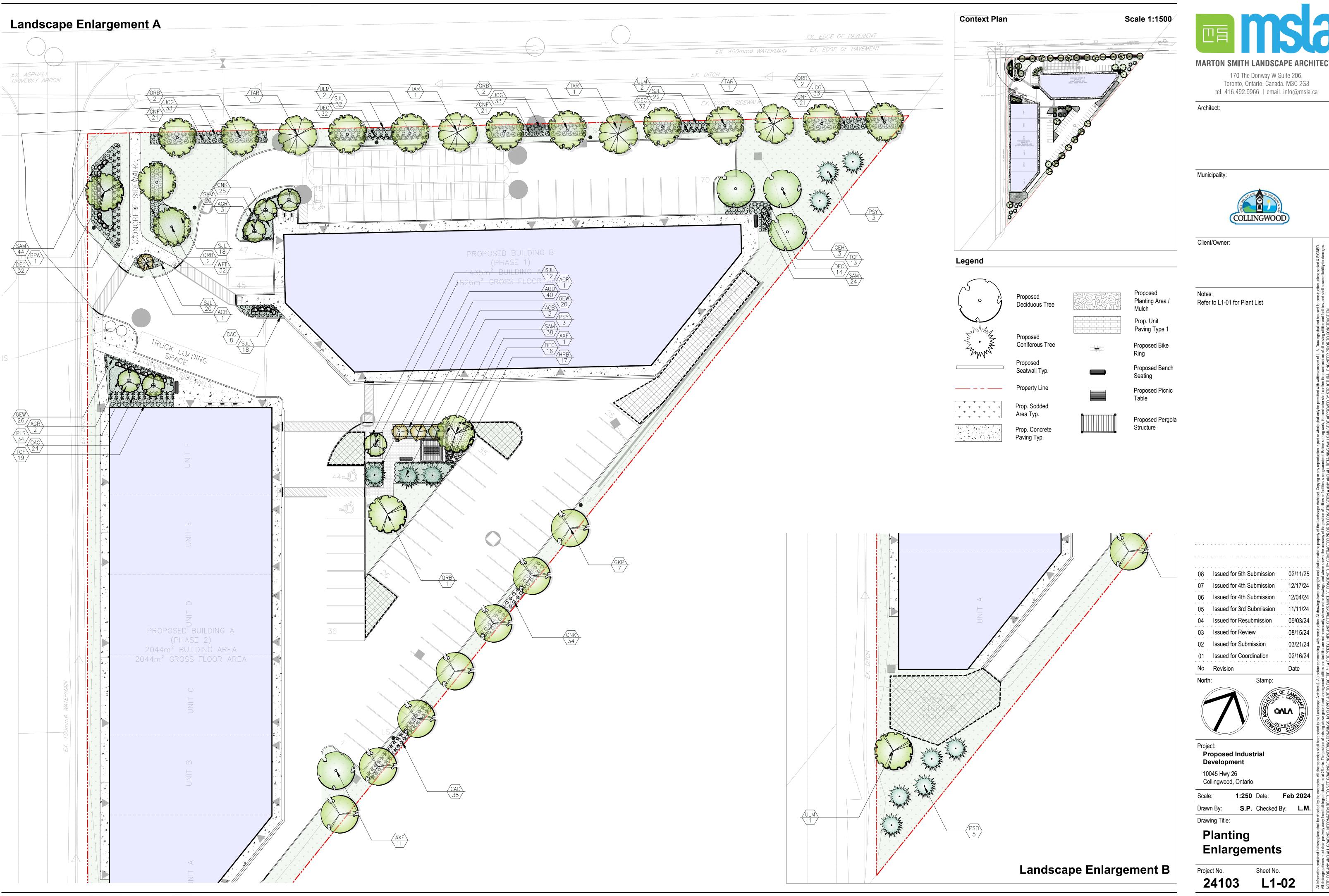
**1:400** Date: **Feb 2024 S.P.** Checked By: **L.M.** 

Drawing Title:

Landscape Plan

Project No. Sheet No. 24103 L1-01







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

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.

SOD TO MEET SPECIFICATIONS IN OPSS.802

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 150MM (6") 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. PLANTING BEDS TO MEET SPECIFICATIONS OF OPSS.803

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

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:

PLANT MATERIAL INSTALLATION

ALL TREES, SHRUBS AND GROUNDCOVERS SHALL BE PLANTED AS DETAILED & AS SHOWN ON THE PLANTING PLANTALL 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 CEDAR BARK MULCH BY "GRO BARK" OR APPROVED EQUAL. LANDSCAPE ARCHITECT TO APPROVE MULCH

GENERAL MAINTENANCE

BEFORE INSTALLATION.

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.

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

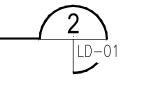
OBTAIN APPROVAL FOR SUBSTITUTIONS AS TO VARIETY, SIZE OR GRADE FROM THE LANDSCAPE ARCHITECT. USE ONLY NURSERY STOCK GROWN UNDER PROPER HORTICULTURAL PRACTICES, VIABLE, FREE FROM PEST AND DISEASE AND UNDAMAGED. CHECK LOCATIONS AND OBTAIN STAKEOUTS OF ALL UTILITY LINES BEFORE EXCAVATION. OBTAIN ALL NECESSARY 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.

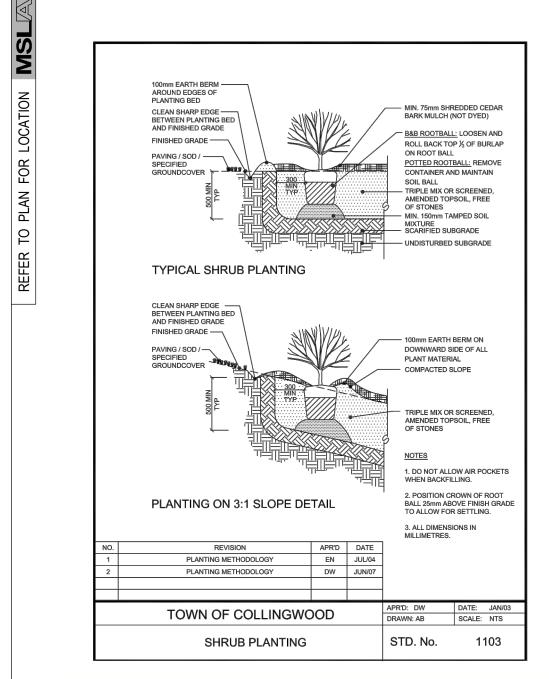
#### GUARANTEE PERIOD

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

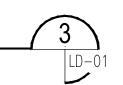
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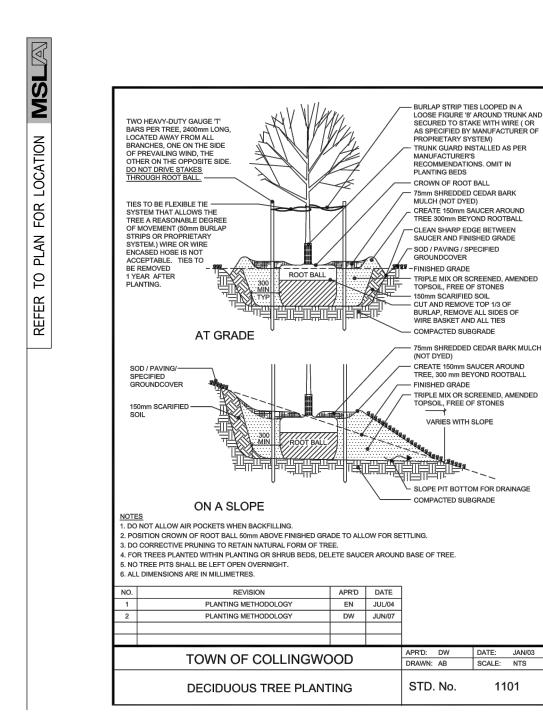




#### STANDARD SHRUB PLANTING DETAIL

SCALE: N.T.S. DATE:





#### **DECIDUOUS TREE PLANTING**

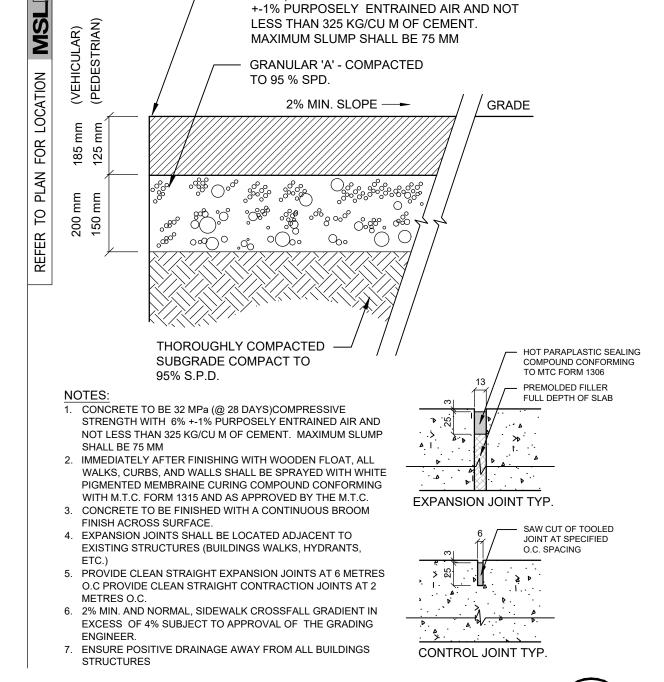
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Face of building Concrete unit paving - refer to plan —— 25 x 300 rigid foam for type and pattern of paving. insulation - continuous 25 mm sharp clean sand along building wall compact to 95% S.P.D. - 150 mm granular "A" - compact to 95% S.P.D. Expansion joints 2 to 4% minimum slope ------Refer to curb detail Thoroughly compacted subgrade SECTION ADJACENT BUILDING WITH CURB compact to 95% S.P.D. 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. NOTE REGARDING SAW CUTS: NO CUT PIECES SHOULD BE SMALLER THAN 40% OF THE ORIGINAL PAVER SIZE NOTE: USE "POLYMERIC JOINTING SAND" WITH ALL UNIT PAVER APPLICATIONS Pave edge by Pave Tech Inc. installed per manufacturer's specifications. Thoroughly compacted subgrade SECTION AT GRADE WITHOUT CURB compact to 95% S.P.D.

PRECAST CONCRETE PAVER INSTALLATION DETAIL

SCALE: N.T.S. SINGLE SOLDIER COURSE OPTION

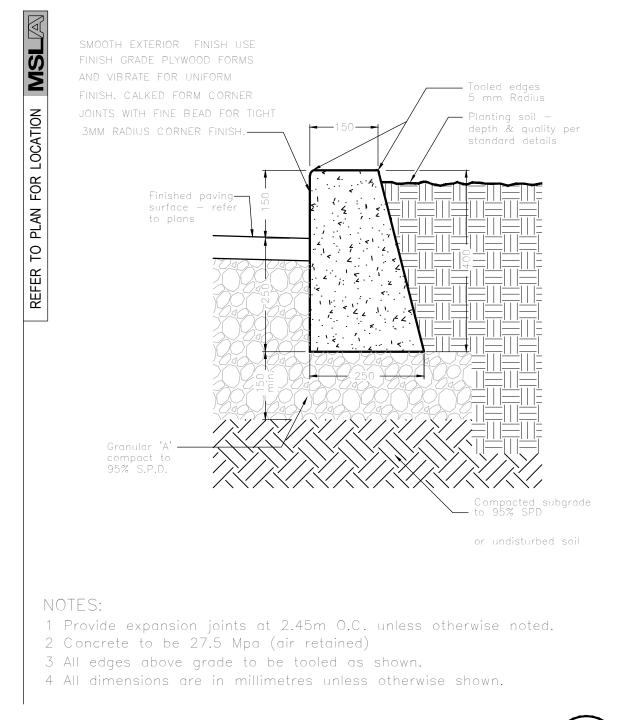


CONCRETE PAVING TO BE 32 MPa C2 (@28

DAYS) COMPRESSIVE STRENGTH WITH 6%

## CONCRETE PAVING DETAIL TYP.

SCALE: N.T.S. DATE:



150mm HT CONC. CURB PLANTER DETAIL TYP.

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MARTON SMITH LANDSCAPE ARCHITECTS

Municipality:



Client/Owner:

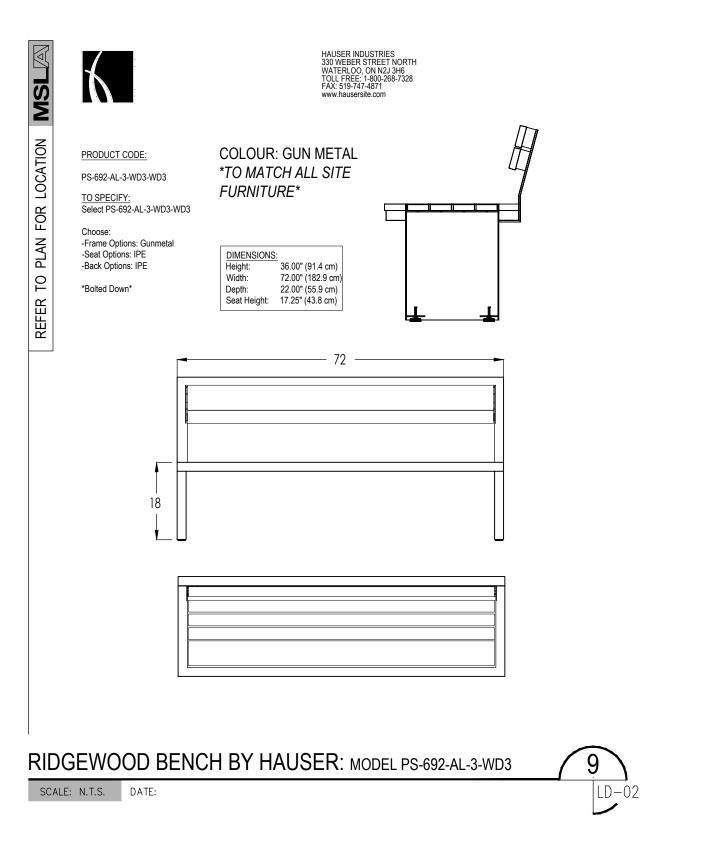
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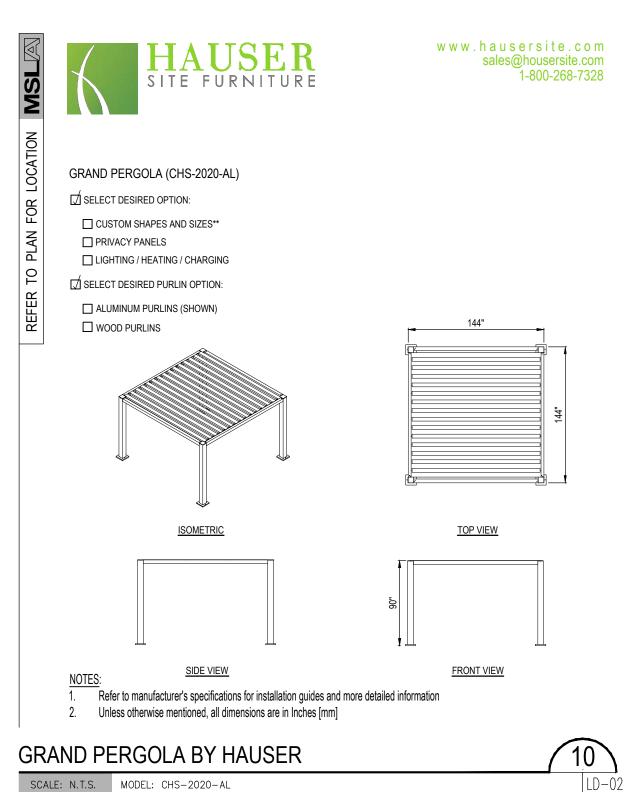
Landscape

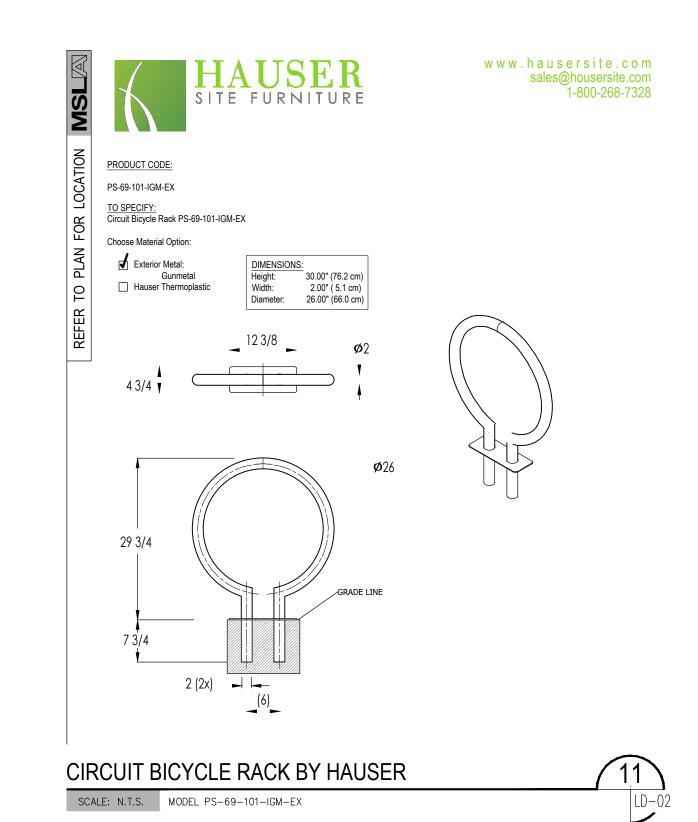
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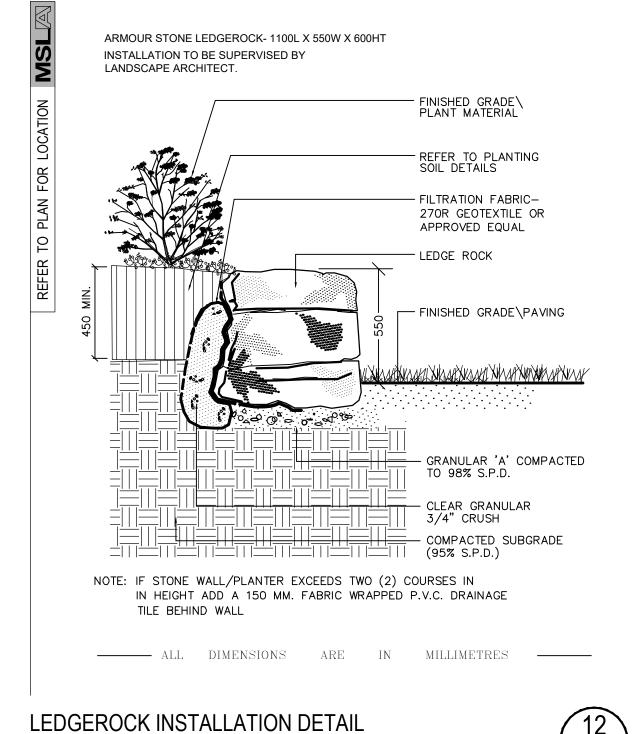
**Details** 

**LD-01** 

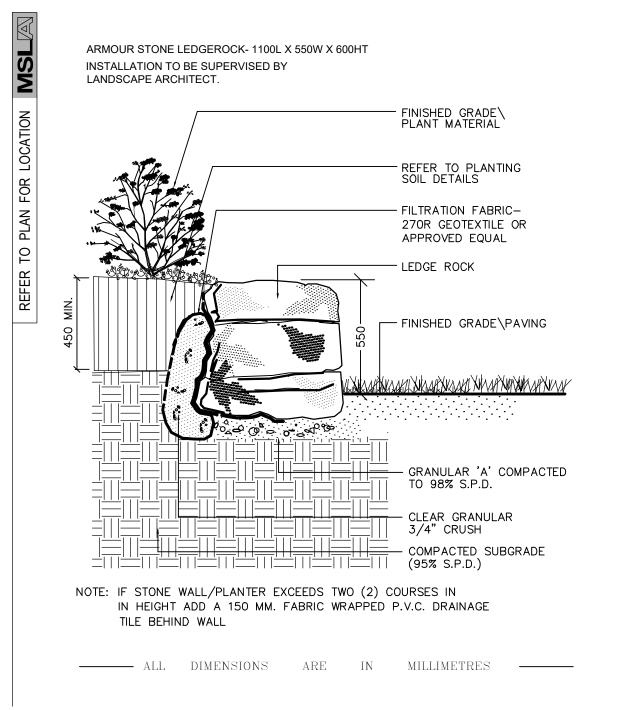


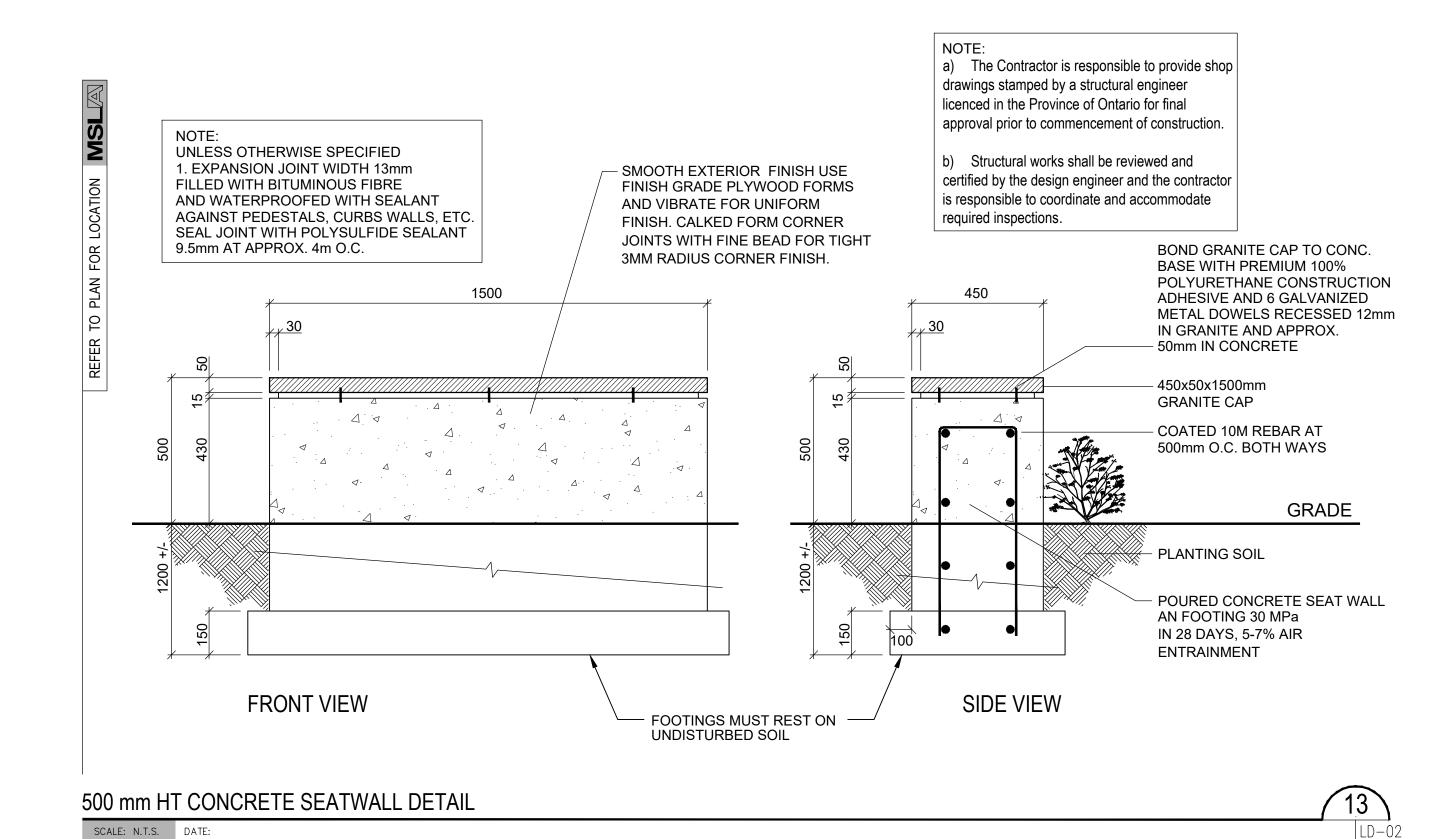


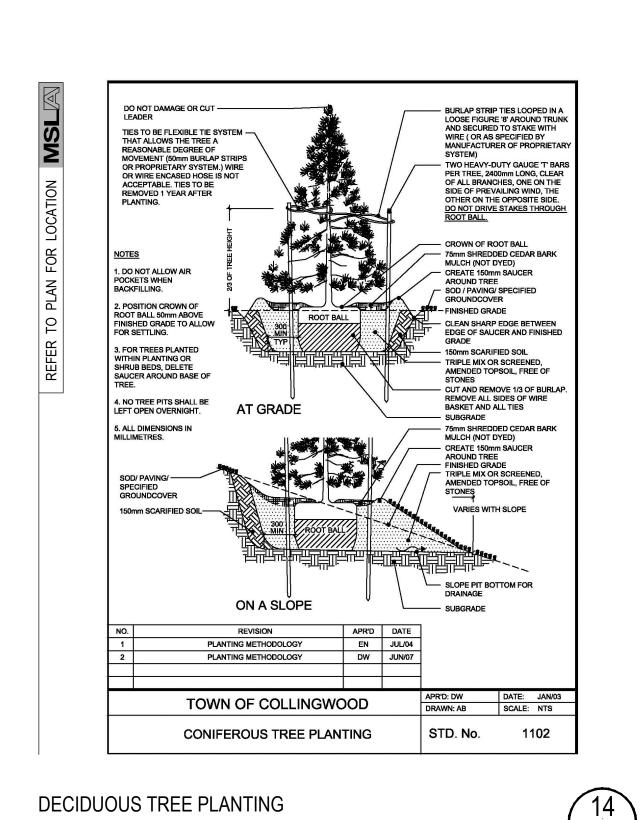




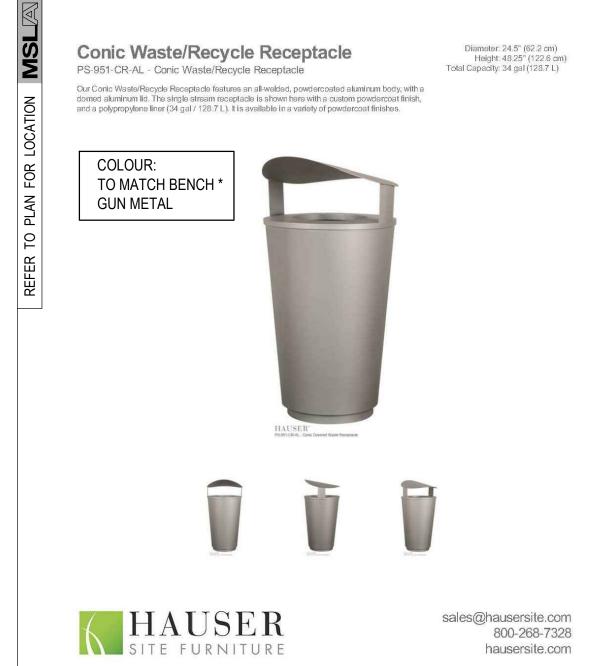
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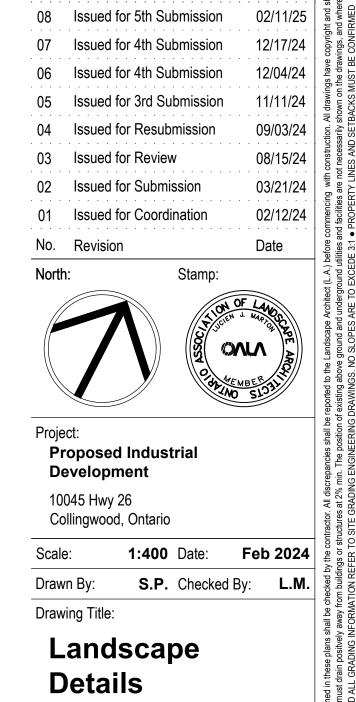


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CONIC WASTE RECEPTACLE BY HAUSER



Sheet No.

**LD-02** 

Project No.

MARTON SMITH LANDSCAPE ARCHITECTS

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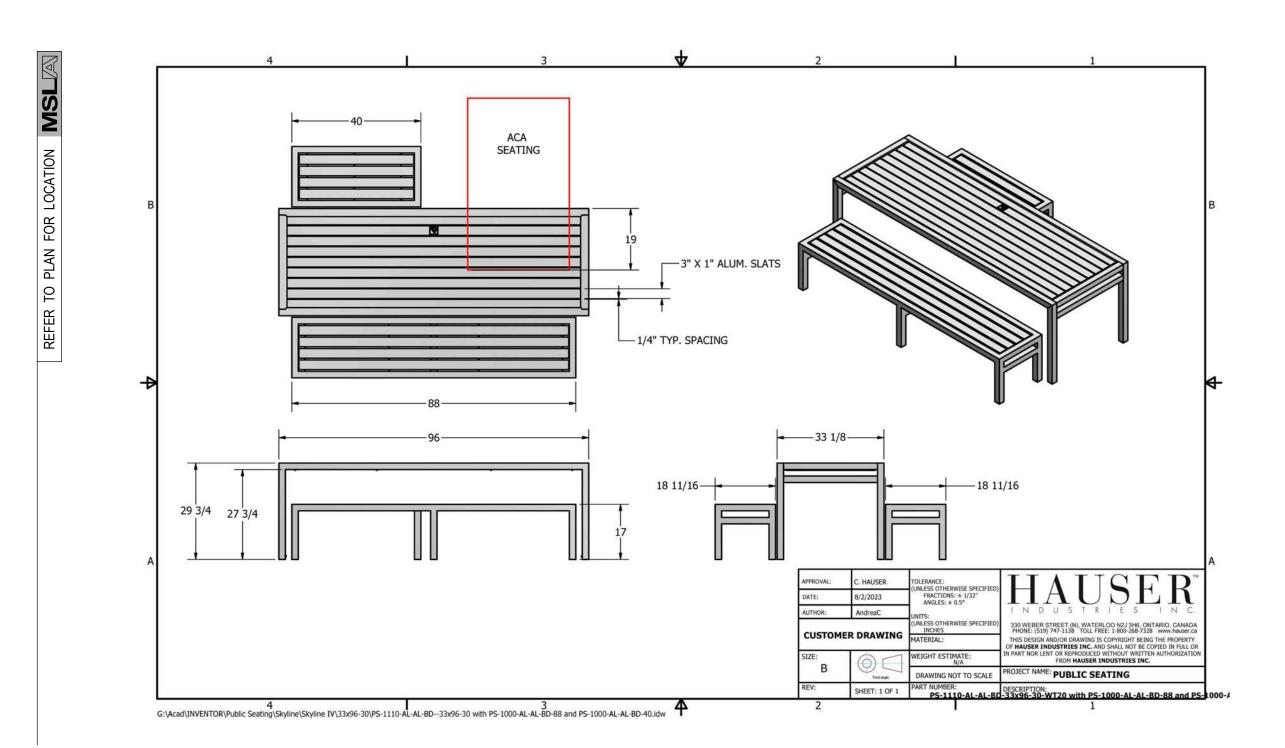
COLLINGWOOD

Architect:

Municipality:

Client/Owner:

Notes:



SKYLINE PICNIC TABLE & BENCH BY HAUSER

**Finishing layer** 100 mm Crushed gravel 0/16 mm or excavation soil if the soil type is not freezing (e.g. clay, silt). Stones with diameter more than 100 mm have to be removed from the ballast. Filter cloth may be used between the ballast and the 16-32 mm crushed stone. Gravel 16 - 32 min. 500 mm layer Crushed gravel 0/16 min. 50 mm layer Image 2.1. Installation pit

1. Dig the installation pit according to the measurements in the image 2. The pit should be 600 mm wider than the diameter of the container. Level the bottom carefully with spirit level and compact the ground if needed. (Image 3.1.) Diameter of the installation pit: MolokClassic®-container 5 m<sup>3</sup> 2150 mm

MolokClassic®-container 3m³ and 1,3 m³ 1750 mm

2. Preparing 800 I and 300 I containers: Fasten the anchor steel into the bottom insert according to a separate instruction manual provided. Preparing 5 m<sup>3</sup>; 3 m<sup>3</sup> and 1,3 m<sup>3</sup> containers: Fix the plastic bottom anchors into the container with two

bolts each (bolts are tightened max. 25 Nm). (Image 3.2.) **3.** Lift the container to the installation pit by using lifting loops. The use of lifting beam is recommended (Image 3.3).

**4.** Align the lid opening by using the sign in the front panel.

**5.** Use a spirit level to ensure the container is straight and level. Depending on the installation site, use the spirit level either; A. on top of the aluminium ring (lid and lifting bag removed) OR **B.** from the sides of the container

**6**. Fill the pit as described in the image 2. With a light compactor, compact the filling soil carefully with every 200 mm layer. We recommend to use max. 100 kg round compactor. (Image 3.5)

7. Make sure that the finishing layer slopes slightly downward from the container.

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M-5000 MOLOK GARBAGE BIN



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Project:
Proposed Industrial
Development

10045 Hwy 26 Collingwood, Ontario

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Drawing Title:

Landscape **Details** 

Project No. Sheet No. 24103 **LD-03** 

S.P. Checked By: L.M.

Notes: