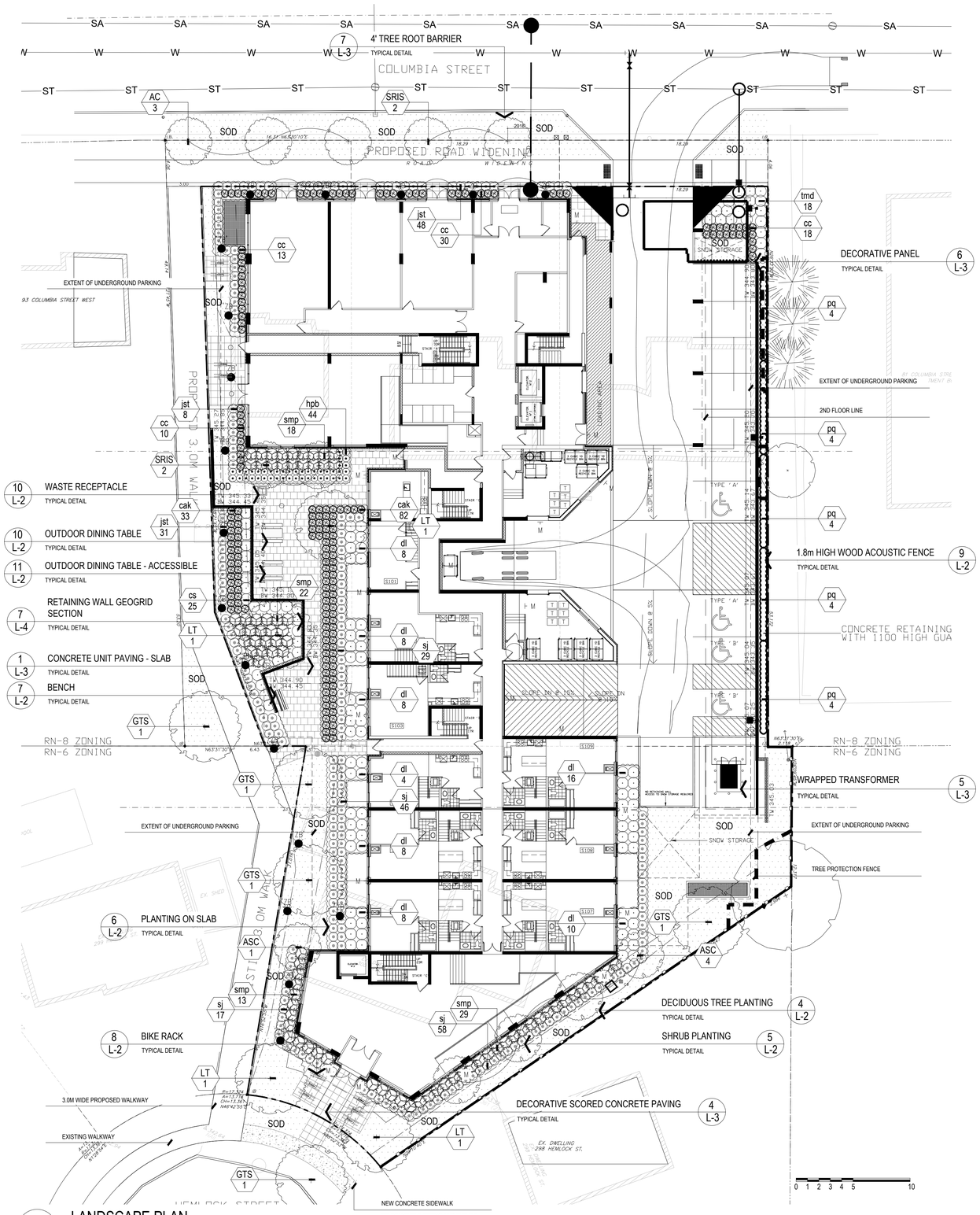
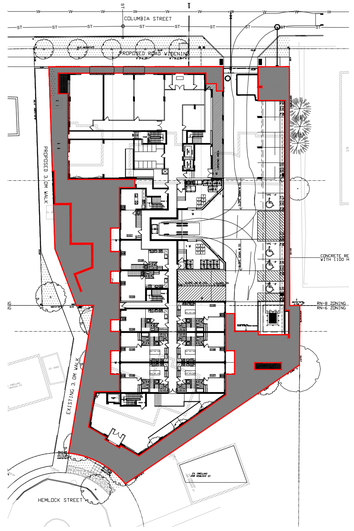


1 L-1 LANDSCAPE PLAN
1:200

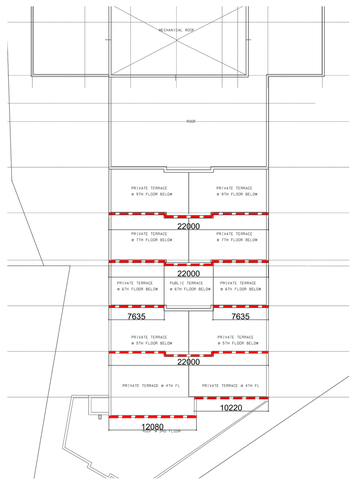
PLANT LIST

Plant quantities indicated on the plan supersede the quantities from the plant list (report any discrepancies to the Landscape Architect).

KEY	QUANTITY	BOTANICAL NAME	COMMON NAME	DROUGHT TOLERANT	NATIVE	CALIPER	CONDITION	HT./SP.
DECIDUOUS TREES								
AC	3	AMELANCHIER CANADENSIS	DOWNY SERVICEBERRY	–	✓	70mm	S.B.	----
ASC	5	ACER SACCHARUM 'COLUMNARE'	COLUMNAR SUGAR MAPLE	–	–	70mm	S.B.	----
LT	4	LIRIODENDRON TULIPIFERA	TULIP TREE	–	✓	70mm	S.B.	----
GTS	5	GLEDITSIA TRIACANTHOS 'SKYLINE'	SKYLINE HONEY-LOCUST	✓	–	70mm	S.B.	----
SRIS	4	SYRINGA RETICULATA 'IVORY SILK'	IVORY SILK TREE LILAC	–	–	70mm	S.B.	----
CONIFEROUS SHRUBS								
tmd	18	TAXUS X MEDIA 'DENSIFORMIS'	DENSE YEW	✓	–	----	3 gal. POT	650mm
jst	90	JUNIPERUS SABINA 'TAMARISCIFOLIA'	TAMARIX JUNIPER	✓	–	----	3 gal. POT	650mm
DECIDUOUS SHRUBS								
cs	25	CORNUS SERICEA 'FLAVIRAMEA'	YELLOWTWIG DOGWOOD	–	–	----	3 gal. POT	650mm
dl	70	DIERVILLA LONICERA	BUSH HONEYSUCKLE	✓	✓	----	3 gal. POT	650mm
smp	82	SYRINGA MEYERI 'PALIBIN'	DWARF KOREAN LILAC	✓	–	----	3 gal. POT	650mm
sj	150	SPIRAEA JAPONICA 'ANTHONY WATERER'	ANTHONY WATERER SPIREA	–	–	----	3 gal. POT	500mm
PERENNIALS, GROUND COVERS AND GRASSES								
cak	115	CALAMAGROSTIS ACUTIFLORA 'KARL FOERSTER'	FEATHER REED GRASS	✓	–	----	1 gal. POT	500mm
hpb	44	HEMEROCALLIS 'PANDORA'S BOX'	DAYLILY	✓	–	----	1 gal. POT	500mm
cc	75	CALAMAGROSTIS CANADENSIS	CANADA BLUEJOINT	✓	✓	----	1 gal. POT	500mm
pq	20	PARTHENOCISSUS QUINQUEFOLIA	VIRGINIA CREEPER	✓	✓	----	1 gal. POT	2000mm



AREA OF LANDSCAPE OPEN SPACE: 988.2M2
PERCENTAGE: 27.6%



2 L-1 NOISE BARRIER FOR PRIVATE TERRACES
1:400

NOTE:
ALL PLANT MATERIALS SHALL BE NO. I NURSERY GROWN AND WHICH MEET SPECIFICATIONS FOR SIZE, HEIGHT, SPREAD, GRADING, QUALITY, METHOD OF CULTIVATION, AND BALL AND BURLAP SPECIFICATIONS AS SET OUT IN THE CURRENT EDITION OF THE GUIDE SPECIFICATION FOR NURSERY STOCK PREPARED BY THE CANADIAN NURSERY LANDSCAPE ASSOCIATION.

NOTE:
ALL DOWNY SERVICEBERRIES SHALL BE SINGLE STEM.

NOTE:
ALL LANDSCAPE DRAWINGS HAVE BEEN FULLY COORDINATED WITH SITE PLAN, ENGINEERING DRAWINGS AND VEGETATION MANAGEMENT PLAN.

NOTE:
ANY PLANT MATERIAL SUBSTITUTIONS MUST BE TO THE SATISFACTION OF THE CITY OF WATERLOO.

NOTE:
OBTAIN A WORK PERMIT FROM EITHER THE MUNICIPALITY, REGION, OR BOTH AS THE CASE MAY BE PRIOR TO DOING ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY.

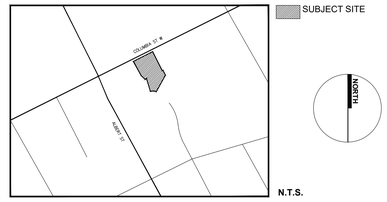
NOTE:
THERE WILL BE A TWO YEAR WARRANTY FOR ALL PLANT MATERIAL.

NOTE:
ANY BENCHES TO BE PROVIDED ON SITE SHALL HAVE BACKRESTS AND ARMRESTS.

NOTE:
TRANSFORMER TO BE WRAPPED WITH PRINTED FILM FOR SCREENING. FINAL PATTERN TO BE APPROVED BY WATERLOO NORTH HYDRO AND CITY'S DIRECTOR OF PLANNING PRIOR TO INSTALLATION.

NOTE:
THE PRIVATE TERRACES ON THE SOUTH SIDE SHALL HAVE A 1.2M HIGH SAFETY SCREEN THAT DOUBLES AS A NOISE BARRIER PER THE NOISE STUDY COMPLETED BY J.E. COULTER ASSOCIATES LIMITED. THE SOLID SAFETY SCREEN SHALL BE CONTINUOUS WITH NO GAPS OR CRACKS WITH A MINIMUM SURFACE DENSITY OF 20KG/M2 TO MEET MECP LIMIT OF 55 dBA.

KEY PLAN



LEGEND

PROPOSED DECIDUOUS TREE
PROPOSED CONIFEROUS TREE
PROPOSED SHRUBS
SOD — SODDED AREA
DECORATIVE SCORED CONCRETE
CONCRETE UNIT PAVING
PROPERTY LINE
WOOD ACOUSTIC FENCE
PROPOSED BIKE RACK
PROPOSED BENCH
PROPOSED WASTE RECEPTACLE

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2.	FEBRUARY 28, 2022	ISSUED FOR 2ND SPA	HH
1.	NOVEMBER 3, 2021	ISSUED FOR SPA	HH

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STAMP: ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — NICOLA A MIELE — OALA MEMBER

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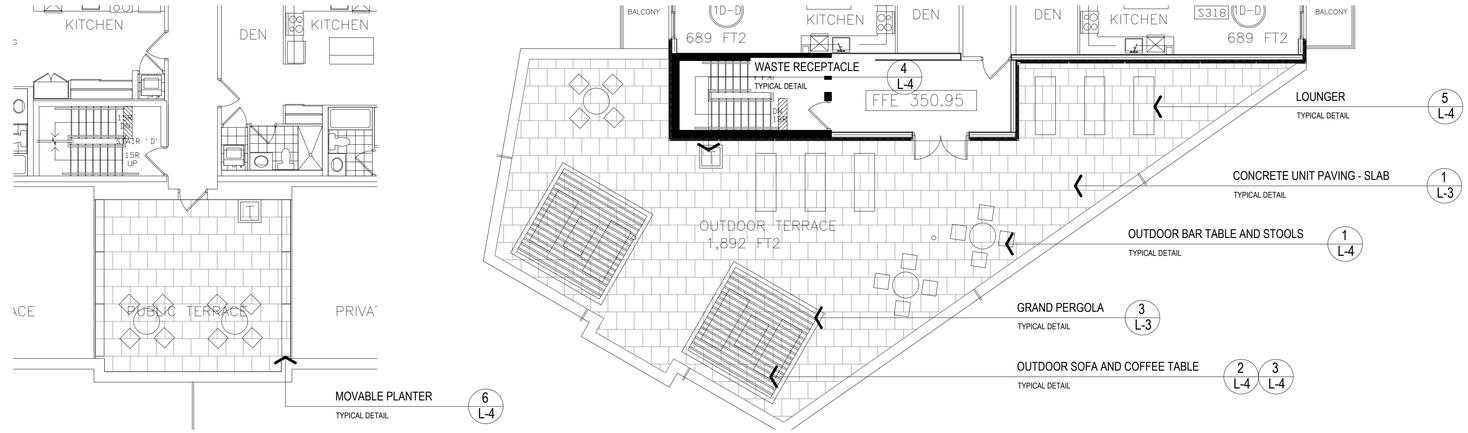
DATE	OCTOBER 2021
DRAWN BY	H.H.
PLAN SCALE	AS NOTED
FILE NO.	20155D
CHECKED BY	N.M.
OTHER	

PROJECT
89 COLUMBIA STREET WEST
WATERLOO, ONTARIO

NORTH

FILE NAME: LANDSCAPE PLAN
DWG NO.: L1

SOURCE
\\Woodfile01\docs\20155\D – Louie 2 Condo\2. Drawings\4. Landscape\20155D – Landscape Plan – 10-11-22.dwg



1 L-2 5TH FLOOR TERRACE PLAN — 1:100
TYPICAL DETAIL

2 L-2 2ND FLOOR TERRACE PLAN — 1:100
TYPICAL DETAIL

LANDSCAPE SPECIFICATIONS:

All sod shall conform to the standards of the Nursery Sod Growers Association of Ontario. All sodded areas shall be prepared with a minimum of 100mm of topsoil and sodded with #1 bluegrass - fescue nursery sod. On slopes, lay the turf pieces horizontally across the slope, starting at the bottom. For areas with a 2:1 slope or greater stake sod to hold in place with 1/2" x 1" x 12" pegs at two-foot spacings.

Unless soil tests suggest otherwise, fertilizer shall be applied as follows:
Sodded areas: 11-8-4 (11% nitrogen, 8% phosphorous, 4% potash) at 4.5 kg/m2.
Planting beds: 7-7-7 (7% nitrogen, 7% phosphorous, 7% potash) at 0.12 kg/m3, and bone meal at 0.58 kg/m3 of planting soil mixture as outlined below.

All planting beds are to be continuous, and excavated to a minimum depth of 450mm unless noted otherwise. Planting beds are to be filled with a soil mixture composed of six (6) parts sand loam, two (2) parts well rotted manure, and one (1) part peat moss, in addition to the fertilizers specified above.

All plant material shall conform to the standards of the Canadian Nursery Trades Association. All plant material is to be clay grown stock. Install all plant material as shown on the planting plan and details. Use only viable nursery stock grown in strict accordance with proper horticultural practices which is free from damage, pests, and disease.

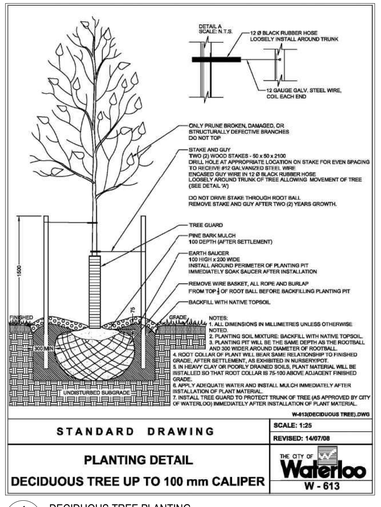
All beds are to be covered with a 75mm depth of clean, shredded pine bark mulch by Gro-Bark or approved equal unless noted otherwise. Guying and staking of trees shall conform to the planting details. Wrap all deciduous trees as per the specifications of the Ontario Landscape Contractors Association.

The contractor will observe proper maintenance procedures for all newly constructed landscape work as per Section 1E (Maintenance Work) of Landscape Ontario's specifications. Unless otherwise noted, this will apply during the construction period only. The contractor shall maintain all planting and sodding until final acceptance is granted by the Landscape Architect.

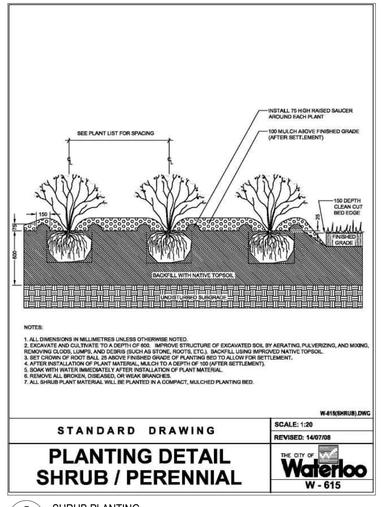
The contractor will be responsible for the protection of all plant material from damages resulting from winter conditions as well as rodents during the warranty period. Apply "Skoot" rodent deterrent formula (or approved equal) to all coniferous trees and all shrubs in late October as per manufacturer's directions.

The contractor shall provide a full one year guarantee (or two years if required by the municipality or owner) on all landscape works, beginning on the date that final acceptance is granted by the Landscape Architect.

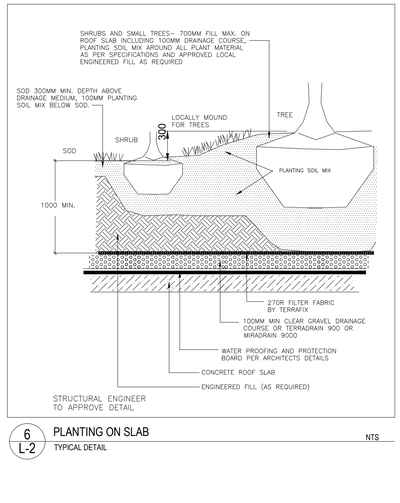
3 L-2 LANDSCAPE SPECIFICATIONS — NTS
TYPICAL DETAIL



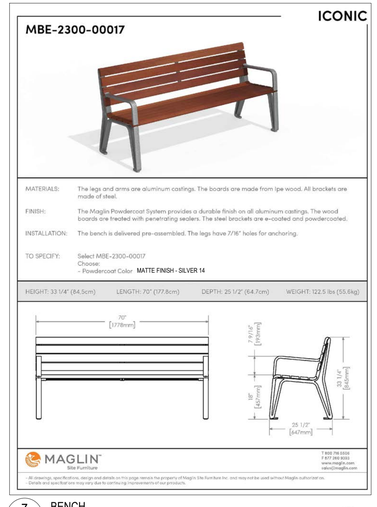
4 L-2 DECIDUOUS TREE PLANTING — NTS
TYPICAL DETAIL



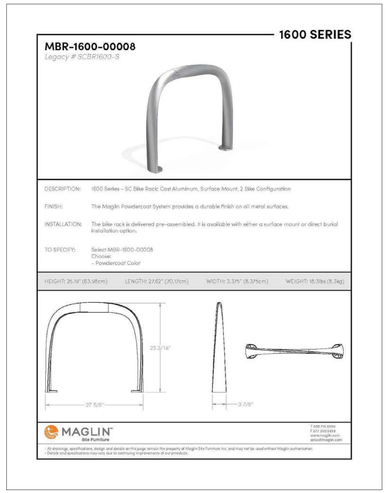
5 L-2 SHRUB PLANTING — NTS
TYPICAL DETAIL



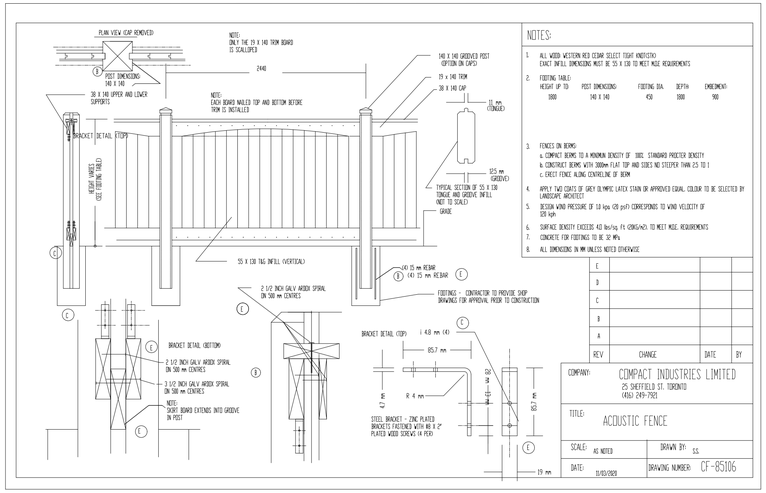
6 L-2 PLANTING ON SLAB — NTS
TYPICAL DETAIL



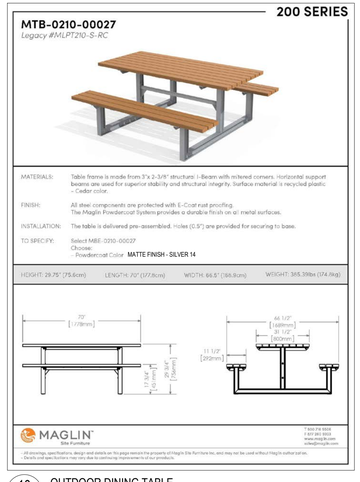
7 L-2 BENCH — NTS
TYPICAL DETAIL
TOTAL UNITS ON SITE: 1



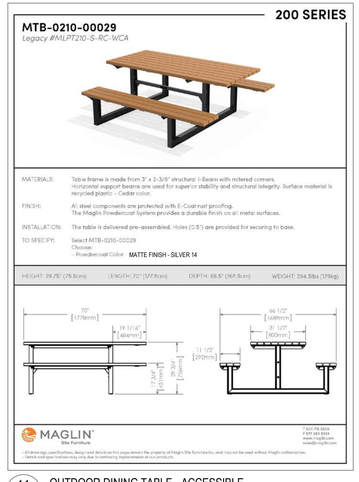
8 L-2 BIKE RACK — NTS
TYPICAL DETAIL
TOTAL UNITS ON SITE: 10



9 L-2 1.8m HIGH WOOD ACOUSTIC FENCE — NTS
TYPICAL DETAIL



10 L-2 OUTDOOR DINING TABLE — NTS
TYPICAL DETAIL
TOTAL UNITS ON SITE: 1



11 L-2 OUTDOOR DINING TABLE - ACCESSIBLE — NTS
TYPICAL DETAIL
TOTAL UNITS ON SITE: 1

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PLAN SCALE	AS NOTED
FILE NO.	20155D
CHECKED BY	N.M.
OTHER	

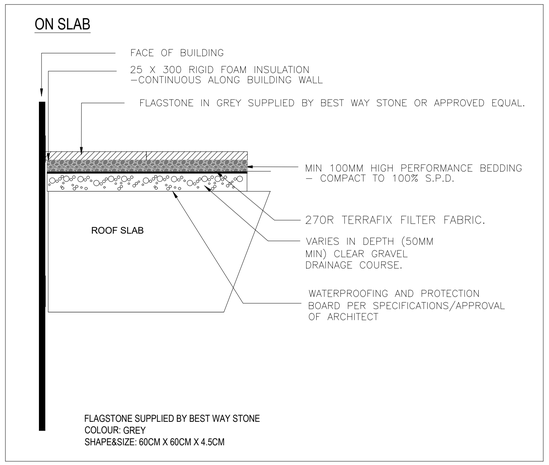
PROJECT
89 COLUMBIA STREET WEST
WATERLOO, ONTARIO

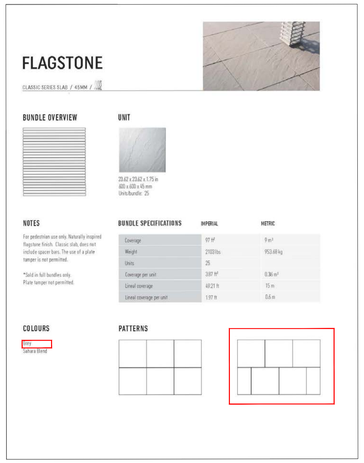
NORTH

FILE NAME
LANDSCAPE DETAILS

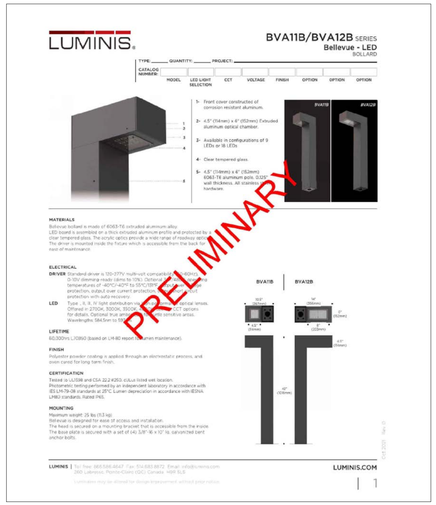
DWG NO.
L2

SOURCE
\\Woodfile01\docs\20155\D – Louie 2 Condo\2. Drawings\4. Landscape\20155D – Landscape Plan – 10-11-22.dwg





1 L-3 CONCRETE UNIT PAVING - SLAB
TYPICAL DETAIL
NTS



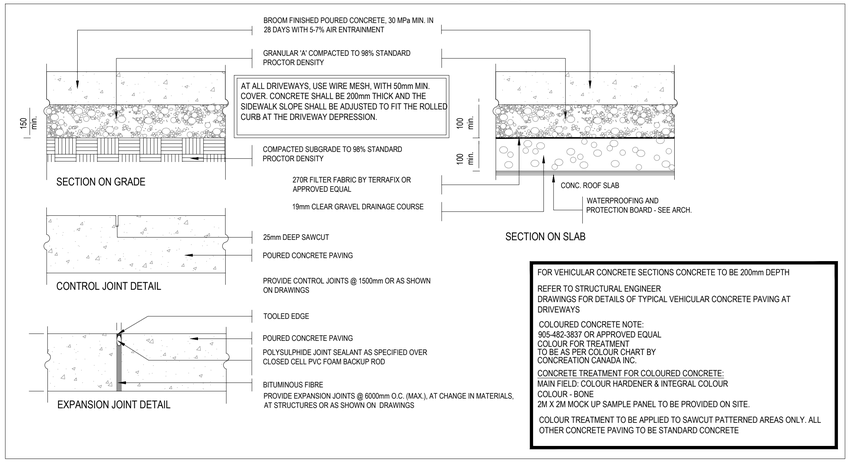
2 L-3 LIGHT BOLLARD STANDARD
TYPICAL DETAIL
NTS



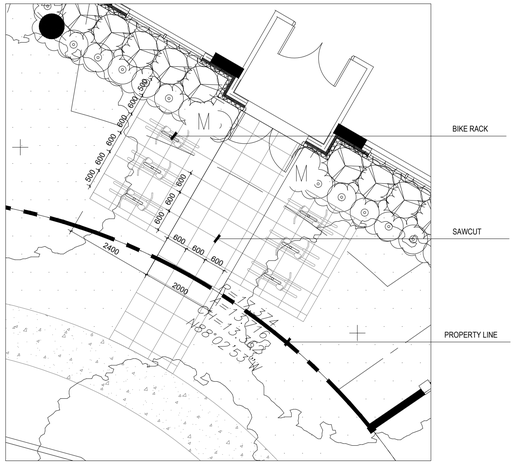
3 L-3 GRAND PERGOLA
TOTAL UNIT ON SITE: 2
NTS



5 L-3 WRAPPED TRANSFORMER
TYPICAL DETAIL
NTS



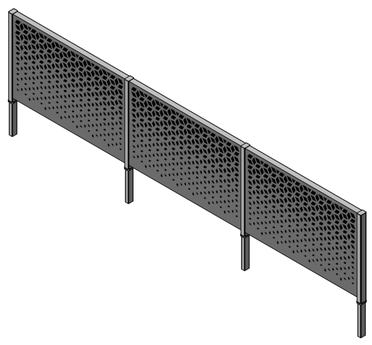
4 L-3 DECORATIVE SCORED CONCRETE PAVING
TYPICAL DETAIL
NTS



NTS

ITEM	QTY	MODEL NUMBER
	1	POST TEXTURE PAINT CHARGE
MPA-2600-00012	3	FLEXX PANEL - 2' W X 4' H - STEEL, LD2 - FUSION
MPA-2600-00002	1	FLEXX POST - 4' H, AL EXT - DRITTEN 1 SIDE, DB
MPA-2600-00002	2	FLEXX POST - 4' H, AL EXT - DRILLED 2 SIDES, DB

APPROVED BY:
DATE:



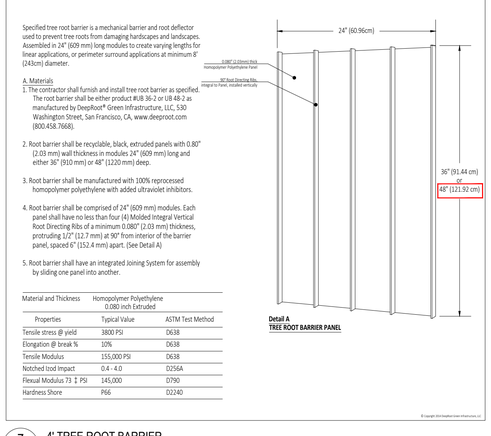
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TITLE	FLEXX LAYOUT, 46197
LAYOUT #	MPA2600-46197
WEIGHT	394.42 LBS
DATE	5/19/2022
SHEET	1 OF 2

6 L-3 DECORATIVE PANEL
TYPICAL DETAIL
NTS



7 L-3 4' TREE ROOT BARRIER
TYPICAL DETAIL
NTS

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DRAWN BY: H.H.
PLAN SCALE: AS NOTED
FILE NO.: 20155D
CHECKED BY: N.M.
OTHER:

PROJECT
89 COLUMBIA STREET WEST
WATERLOO, ONTARIO

FILE NAME: LANDSCAPE DETAILS
DWG NO.: L3

SOURCE
\\Woolfie01\docs\20155\D – Louie 2 Condo\2. Drawings\4. Landscape\20155D – Landscape Plan – 10-11-22.dwg

CabanaCoast



Product No: 8511-3606

Name: Kensington 36" Round Pedestal Bar Table

Collection: Kensington **Material:** SOL Teak™ **Weight:** 86 lbs

Dimensions: 42"W x 42"D x 41.5"H

Detail: The Kensington table collection features a SOL Teak™ top with a Sherwin-Williams® Dark Rum base. Available in square and round variations of pedestal bar, balcony, coffee, and side tables, the Kensington table collection is sure to accommodate any patio table preferences. SOL Teak™ table tops available in Natural or Weathered finishes.

Frame Finishes:



Black Natural Weathered

https://cabanacoast.com

1 L-4 OUTDOOR BAR TABLE AND STOOLS NTS
TYPICAL DETAIL
TOTAL UNITS ON SITE: 3 TABLES & 12 STOOLS

CabanaCoast



Product No: 80012

Name: Kensington Bar Stool

Collection: Kensington Dining **Material:** SOL Teak™ **Weight:** 22 lbs

Dimensions: 18.5"W x 23"D x 44"H **SW:** 18.5" | **SHW:** 31" | **SD:** 16.5" | **SH:** 29.5"

Detail: The Kensington modern teak patio furniture is crafted in premium SOL Teak™ paired with Sunbrella® or Tempotest® outdoor cushions. The beautiful and natural-like appearance frames looks and feels like real teak, which are easy to maintain, including the Sunbrella® outdoor cushions. The modern teak patio furniture design is suitable for residential, commercial, beaches and resorts. The Kensington patio furniture group photo is shown in Canadian-made outdoor cushions in Tempotest® 1045-79 Italian Sand on Natural SOL Teak™.

Frame Finishes:



Black Natural Weathered

https://cabanacoast.com

2 L-4 OUTDOOR SOFA NTS
TYPICAL DETAIL
TOTAL UNITS ON SITE: 2

CabanaCoast



Product No: 80027

Name: Landing Sofa

Collection: Landing **Material:** SOL Teak™ **Weight:** 144 lbs

Dimensions: 79.5"W x 31"D x 32"H **AH:** 22" | **SW:** 75" | **SDW:** 22" | **SHW:** 16" | **SD:** 25" | **SH:** 25"

Detail: Bring friends and family alike together with the "European rustic" design vibe of the new Landing collection. Featuring the nature-inspired texture of SOL Teak™ and new, earthy colors of Umber or Mica, Landing brings organic warmth to any outdoor space. Decisive, clean lines and an oblique back rest and back leg impart a modern, handmade feel to this collection. Find Landing in deep seating and sectional options. Group photos show cushions in 97-615 Ciao Charcoal and pillows shown in 24-615 Ciao Onyx.

Frame Finishes:



Mica Umber

https://cabanacoast.com

3 L-4 OUTDOOR COFFEE TABLE NTS
TYPICAL DETAIL
TOTAL UNITS ON SITE: 2

CabanaCoast



Product No: 33033

Name: Belvedere 48" x 26" Rectangular Coffee Table

Collection: Belvedere **Material:** Aluminum **Weight:** 46 lbs

Dimensions: 48"W x 26"D x 12"H

Detail: Inspired by the classic architecture of a raised structure offering a 'fine view' as it means in Italian, Belvedere is a collection of substantial nature. Accentuated by bold, chamfered edges and new, Mica SOL Teak™ armrests, the robust profile of the Belvedere collection brings an immediate presence to any outdoor space. Belvedere is crafted from cast aluminum, finished with Tiger-Drylac® Grey or Sherwin-Williams® Patina paint, and is offered in deep seating or sectional options. Group photo cushions shown in 15000-0003 Spotlight Ash and 18" x 18" pillows shown in 145339-0006 Gable Stone.

Frame Finishes:



Grey Patina

GENERAL NOTES

1. Do not scale the drawings. All dimensions are in millimetres unless noted otherwise.
2. This drawing is to be read in conjunction with the overall master plan and engineering drawings and site plans .
3. The contractor shall check and verify all existing and proposed grading and conditions on the project and immediately report any discrepancies to the consultant before proceeding with any work.
4. The contractor is to be aware of all existing and proposed services and utilities. The contractor is responsible for having all underground services and utility lines staked by each agency having jurisdiction prior to commencing work.
5. This drawing is to be used for development approval only. For layout of all work refer to construction drawings.
6. Plant quantities indicated on the plan supercede the quantities from the plant list (report any discrepancies to the landscape architect).
7. Do not leave any holes open overnight.
8. Keep area outside construction zone clean and useable by others at all times. Contractor shall throughly clean areas surrounding the construction zone at the end of each work day.
9. Contractor to make good any and all damages outside of the development area that may occur as a result of construction at no extra cost.
10. This drawing is Copyright MHBC 2022.

REVISION NO.	DATE	ISSUED / REVISION	BY
5.	OCTOBER 11, 2022	ISSUED FOR SPA #5	HH
4.	JULY 21, 2022	ISSUED FOR SPA #4	HH
3.	MAY 20, 2022	ISSUED FOR 3RD SPA	HH
2.	FEBRUARY 28, 2022	ISSUED FOR 2ND SPA	HH
1.	NOVEMBER 3, 2021	ISSUED FOR SPA	HH

MHBC PLANNING URBAN DESIGN & LANDSCAPE ARCHITECTURE
230-7050 WESTON ROAD WOODBRIDGE, ON, L4L 8G7 | P: 905 761 5588 F: 905 761 5589 | WWW.MHBCPLAN.COM

STAMP

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — NICOLA A. MIGLE — OALA MEMBER

ISSUED FOR SPA ONLY
NOT FOR CONSTRUCTION

All drawings and specifications are instruments of service and will remain the property of MHBC Planning and must be returned at the completion of the work. This drawing shall not be used for construction purposes unless the drawings are marked "Issued for Construction" and the professional seal is signed and dated by the landscape architect.

DATE	OCTOBER 2021
DRAWN BY	H.H.
PLAN SCALE	AS NOTED
FILE NO.	20155D
CHECKED BY	N.M.
OTHER	

PROJECT

89 COLUMBIA STREET WEST
WATERLOO, ONTARIO

FILE NAME

LANDSCAPE DETAILS

DWG NO.

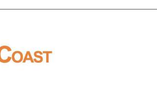
L4

SOURCE

\\Woodfile01\docs\20155\D – Louie 2 Condo\2. Drawings\4. Landscape\20155D – Landscape Plan – 10-11-22.dwg

MLWR1050-W

1050 SERIES

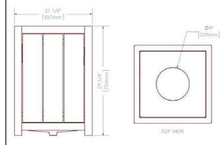


MATERIALS: The waste receptacle frame is constructed from formed steel and the sides employ 1/2" tpe. A 32 gallon (120l) [plastic] liner is included.

FINISH: All steel components are protected with E-Coat rust proofing. The Maglin Powdercoat System provides a durable finish on all metal surfaces.

INSTALLATION: The waste receptacles are delivered pre-assembled. The base has 3/16" holes for anchoring.

TO SPECIFY: Select MLWR1050-W
Choose
- Powdercoat Color: MATTE FINISH - SILVER 14



DIMENSIONS:
Height: 29.75" [75.6cm]
Length: 21 1/8" [53.7cm]
Width: 21 1/2" [54.7cm]
Weight: 99.00lbs [45.4kg]

MAGLIN

4 L-4 WASTE RECEPTACLE NTS
TYPICAL DETAIL
TOTAL UNITS ON SITE: 2

CabanaCoast



Product No: 90076

Name: Stellan Lounge

Collection: Stellan **Material:** Aluminum & Sol Rope™ **Weight:** 32 lbs

Dimensions: 27"W x 78"D x 22"H **SW:** 26" | **SD:** 50" | **SH:** 12.2"

Detail: Meaning peaceful or calm, the new Stellan collection gives us all something that we need: a respite from our turbulent world. This collection provides an opportunity to slow things down in modern comfort with its cozy basketweave rope on a aluminum frame with SOL Teak accents – and who doesn't want to while away the hours in a rocking chair? We fully believe that it's time well spent.

Frame Finishes:



Black Smoke Stone White

https://cabanacoast.com

5 L-4 LOUNGER NTS
TYPICAL DETAIL
TOTAL UNITS ON SITE: 6

72" City Aluminum Planter

PS-220-14x72-32-AL - City Aluminum Planter

HAUSER SITE FURNITURE

The City Aluminum Planter features an all-aluminum, powdercoated body mounted on a 4" powdercoated aluminum base with weeping drain. It is available in any Hausensite powdercoat finish, and in a variety of custom sizes.

Length: 72"
Depth: 14"
Height: 32"

Width: 72" (182.9 cm)
Depth: 14" (35.6 cm)
Height: 32" (81.3 cm)

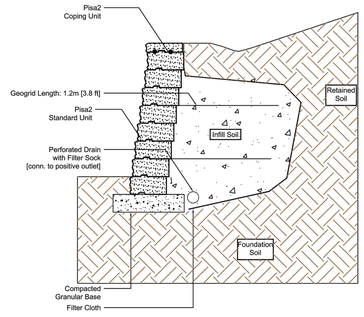




sales@hausensite.com | 1-800-268-7328 | hausensite.com

6 L-4 MOVABLE PLANTER NTS
TYPICAL DETAIL
TOTAL UNITS ON SITE: 6

TYPICAL SECTION



Design Specific Geometric Information

Retaining Wall System	Pisa2 w/ Geogrid	Geogrid Type and Manufacturer	See Notes
Maximum Height mm (in)	1300 (51)	Minimum Geogrid LTDS kN/m (lb/ft)	See Notes
Maximum Slope Above Wall	1V:3H	Maximum Slope Below Wall	None
Max. Surcharge Above Wall kPa (lb/sq.ft)	None	Depth of Embedment mm (in)	153 (6)
Batter of Wall	7.12 °	Compacted Base Dimension mm (in)	610 x 153 (24 x 6)

Design Specific Soil Information

	Soil Region				
	Infill	Retained	Foundation	Base	Drainage
Description (by USCS)	GW Well graded, free draining Granular	CL Inorganic Clays Low Plasticity	CL Inorganic Clays Low Plasticity	GW Well graded, free draining Granular	see infill
Effective Internal Friction Angle	35	28	28	39	NR
Moist Unit Weight kN/cu m (lb/cu.ft)	22 (140)	20 (127)	20 (127)	22 (140)	NR
Effective Cohesion kPa (lb/sq.ft)	NR	NR	NR	NR	NR
Soil Notes	Placed in 150mm (6") lifts and compacted to 95 % SPD.	Undisturbed dense soil or well compacted Eng. fill.	Allowable bearing cap.must exceed 50kPa (1050 psf).	Crushed Gravel (free draining) compacted to 98 % SPD.	Gravel infill must be well graded, angular, free drain w/max. 8% fines

NR - Not Required

Notes:
1. This design meets or exceeds the minimum factors of safety required by Risi Stone Systems based on the design parameters listed above. The analysis was performed as outlined in the National Concrete Masonry Association Design Manual for Segmental Retaining Walls, Third Edition. This is a typical, non site-specific Design.
2. No analysis of global stability, total or differential settlement, or seismic effects has been performed.
3. This design is only provided to illustrate the general arrangement of the SRW structure for preliminary costing and feasibility purposes only. This drawing is not for construction. A qualified Engineer must be retained to provide the Final Design prior to construction.
4. Structures such as handrails, guardrails, fences, terraces, and site conditions such as water applications, drainage and soil conditions, additional live and dead loads, etc., have significant effects on the wall design and have not been taken into account in this typical section. When accounted for in the Final Design, other conditions and elements may result in additional design measures (geogrid, drainage, etc) and cost.
5. For geogrid reinforced structures, a minimum Long Term Allowable Design Strength of 14 kN/m was assumed. Contact your manufacturer or Risi Stone Systems for a list of approved geogrid reinforcements.

RisiStoné retaining wall systems
www.risistone.com
1-800-626-9255

Pisa 2 (R)
Retaining Wall
Geogrid Section
1300mm (4.26ft)
Site: 3H:1V Slope - Clays
Infill: Granular
P21RBSAI130

NOTE:

CONTRACTOR TO PROVIDE SHOP DRAWINGS STAMPED BY PROFESSIONAL ENGINEER FOR REVIEW BY LANDSCAPE ARCHITECT.

7 L-4 TYPICAL DETAIL NTS