PLANT SCHEDULE L1

DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	
AFJ	2	Acer freemanii `Jeffersred` TM	Autumn Blaze Maple	60mm Cal.	W.B.	
GS	4	Gleditsia triacanthos inermis `Shademaster` TM	Shademaster Locust	60mm Cal.	W.B.	
OV	2	Ostrya virginiana	American Hophornbeam	60mm Cal.	W.B.	
QMA	3	Quercus macrocarpa	Burr Oak	60mm Cal.	W.B.	
QR	3	Quercus rubra	Red Oak	60mm Cal.	W.B.	

BROADLEAF EVERGREENS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
Eg	37	Euonymus fortunei `Emerald Gaiety` TM	Emerald Gaiety Wintercreeper	50cm	3 gal.	1m

CONIFEROUS SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
Ji	7	Juniperus chinensis sargentii `Glauca`	Blue Sargent Juniper	50cm	3 gal.	1.50m
Jg	11	Juniperus chinensis sargentii `Viridis`	Green Sargent Juniper	50cm	3 gal.	1.50m
Jm	23	Juniperus chinensis `Mint Julep`	Mint Julep Juniper	50cm	3 gal.	1.50m

DECIDUOUS SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
Bc	32	Berberis thunbergii `Concorde`	Concorde Japanese Barberry	60cm	3 gal.	0.80m
CsK	66	Cornus sericea `Kelseyi`	Kelseyi Dogwood	60cm	3 gal.	0.60m
Rg	5	Rhus aromatica `Gro-Low`	Gro-Low Fragrant Sumac	60cm	3 gal.	1.50m
SpC	34	Spiraea japonica `Crispa`	Crisp Leaf Spirea	60cm	3 gal.	0.80m

ORNAMENTAL GRASSES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
caK	42	Calamagrostis acutiflora `Karl Foerster`	Feather Reed Grass	---	1 gal.	0.70m
Pc	4	Panicum virgatum `Cheyenne Sky`	Switch Grass	---	1 gal.	0.70m
paH	94	Pennisetum alopecuroides `Hameln`	Hameln Dwarf Fountain Grass	---	1 gal.	0.60m

PERENNIALS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
hSO	33	Hemerocallis hybrid `Stella de Oro`	Stella de Oro Daylily	---	1 gal.	0.50m
heC	96	Heuchera micrantha `Chocolate Ruffles`	Chocolate Ruffles Coral Bells	---	1 gal.	0.30m
hoF	61	Hosta fortunei `Fire and Ice`	Fire and Ice Hosta	---	1 gal.	0.60m

NATURAL_PLANTING_BUFFER

DECIDUOUS TREES	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	
PV	4	Prunus virginiana	Common Chokecherry	--	1 gal.	

DECIDUOUS SHRUBS	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONTAINER	SPACING
CR	242	Cornus racemosa	Red Osier Dogwood	60cm	1 gal.	0.5m
CS	471	Cornus sericea	Gray Dogwood	60cm	1 gal.	0.5m
PO	27	Physocarpus opulifolius	Common Ninebark	60cm	1 gal.	0.5m
SC	40	Sambucus canadensis	Elderberry	60cm	1 gal.	0.5m

SEED MIX A - Retention Pond or Storm Pond Slope Mix

Anemone canadensis	Canada Anemone 10%
Rudbeckia hirta	Brown-eyed Susan 10%
Oenothera biennis	Evening Primrose 10%
Aster novae-angliae	New England Aster 10%
Elymus canadensis 30%	Canada Wild Rye
Poa palustris 30%	Fowl Manna Grass

Broadcast Rate 1.6kg/100sq.m. or 3.7lbs/1000 sq.ft.

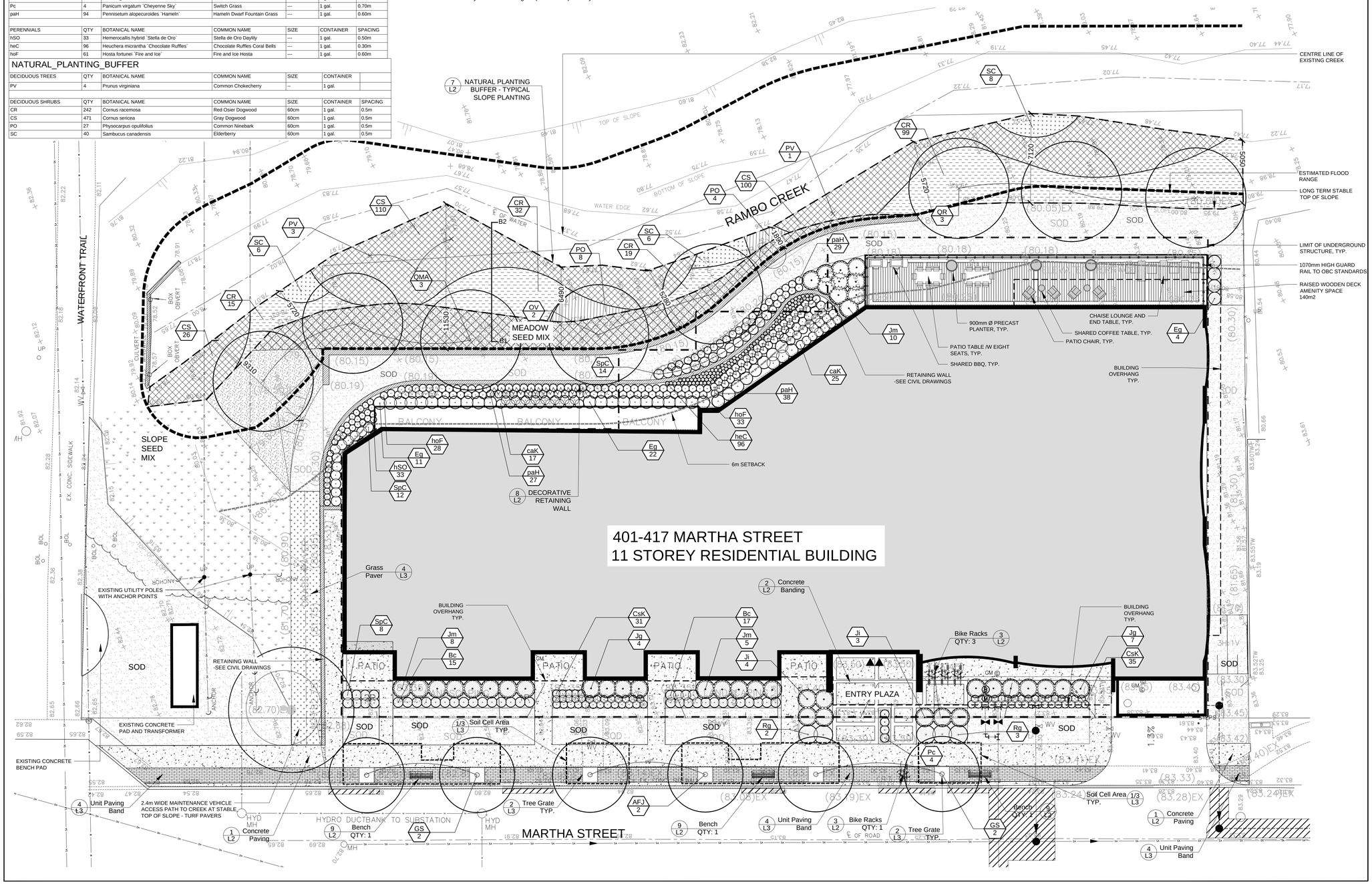
SEED MIX B - Native Upland Forage & Meadow Mix

Canada Wild Rye (Elymus canadensis)	35%
Fowl Bluegrass (Poa palustris)	10%
Fox Sedge (Carex vulpinoidea)	5%
Little Bluestem (Schizachyrium scoparium)	5%
Sand Dropseed (Sporobolus cryptandrus)	10%
Virginia Wild Rye (Elymus virginicus)	35%

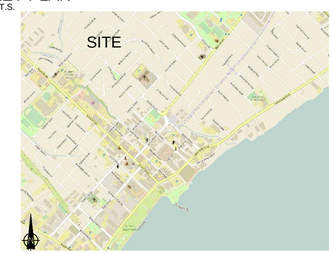
Hydroseed at 28kg/ha (25lbs/acre) with hydraulic mulch cover

PLANTING NOTES:

1. All plant material shall be No.1 nursery grown, meeting specifications for size, height, spread, grading, quality, method of cultivation, and balling and burlap specifications as set out in the 8th Edition 2006 Guide Specification for Nursery Stock prepared by the CNLA.
2. No substitutions in species, cultivar, quantity, size or condition will be permitted without the written approval of the Consultant. Any unapproved substituted material will be required to be removed from the site.
3. Any inconsistencies found in the quantities as shown on the plan and the plant list shall be immediately reported to the Consultant.
4. Layout shall be the responsibility of the Contractor. Layout, plant stake-out and delivered plant material shall be approved by the Consultant prior to installation.
5. Native or Imported topsoil shall be tested as specified and approved by the Consultant prior to adding any amendments and placement. Planting mix, where indicated, shall follow the mix specifications.
6. Provide 400mm minimum depth of approved topsoil or planting mix in all beds, unless otherwise noted. All beds shall be mulched with approved mulch to a minimum depth of 75mm, unless otherwise noted. Depths shall be those achieved under light compaction. Areas to be sodded or seeded shall be provided with 150 mm of approved topsoil, compacted to 85% SPD.
7. No bare-root planting shall be permitted between May 15 and October 15.
8. Plant material shall be thoroughly watered at the time of planting.
9. Those areas not specifically identified for planting, or otherwise noted, shall be sodded. Sodding shall be maintained and warranted until First Cut. Seeding shall be maintained and warrantied until October 1 for Spring seeding and June 1 for Fall seeding.
10. All trees and shrubs shall be under warranty for a period of 12 months commencing on the Date of Acceptance.
11. The contractor shall provide maintenance immediately after the plants are installed and continue throughout the entire warranty period. Maintenance requirements shall include all procedures consistent with proper horticultural practices to ensure normal, vigorous, and healthy growth of all material planted. All stakes, wire, hose, and other accessories must be removed prior to final warranty inspection.
12. All plant material used as replacements for unacceptable material shall be of the same quality and requirements prescribed for the original material. Replacements shall be made once under the warranty.



KEY PLAN
N.T.S.



Legend

- PROPERTY LINE
- ESTIMATED FLOOD RANGE
- LONG TERM STABLE TOP OF SLOPE
- 6m LANDSCAPE BUFFER
- CENTRE LINE OF EXISTING CREEK
- LIMIT OF UNDERGROUND STRUCTURES
- PROPOSED CONCRETE PAVING
- PROPOSED SODDING
- PROPOSED PLANTED AREAS
- PROPOSED TREE
- EXISTING TREE

GENERAL NOTES:

1. Drawings not to be used for construction unless authorized by the Landscape Architect
2. Contractor shall report any discrepancies between the drawings and site conditions prior to commencement of the work
3. All utility locates are the responsibility of the Contractor. Hand dig within the limits recommended by the service utility. Utility conflicts with proposed tree locations must be reported immediately to the Landscape Architect
4. Base drawing provided by MacKay, MacKay and Peters Limited
5. For grading information, refer to drawings by Amec Foster Wheeler. For servicing information refer to drawings by Amec Foster Wheeler.
5. Landscape drawings show engineering information for design purposes only. Do not construct engineering works from these drawings.

LANDSCAPE PLAN

401-417 Martha St.
Burlington, Ontario

NOT FOR CONSTRUCTION

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — BRIAN H. ROTH — OALA — 03 NOVEMBER — MEMBER

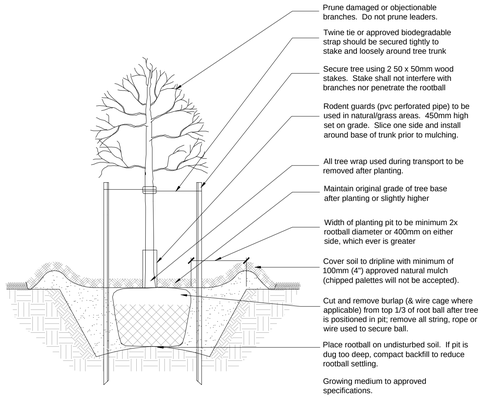
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Nov. 17, 2017	Issued for Coordination	CBI
Apr. 17, 2018	Issued for Coordination	CBI
Apr. 19, 2018	Issued for re-zoning application	CBI
Oct. 11, 2018	Issued for Coordination	CBI
Oct. 16, 2018	Issued for Coordination	CBI
Mar. 10, 2020	Issued for Coordination	OW
May. 22, 2020	Issued for re-zoning application	OW
Oct. 15, 2020	Issued for Site Plan Approval	OW
Nov. 5, 2020	Issued for Site Plan Approval	OW

DATE	REVISIONS	BY

GSP group
351-72 Victoria Street South, Kitchener, Ontario N2G 4Y9
T 519 569 8883
F 519 569 8643
162 Locke Street South, Suite 200, Hamilton, Ontario L8P 4A9
T 905 572 7477
www.gspgroup.ca

Date: October 16, 2017 | Drawn By: CBI | Reviewed By: BR
Scale: 1:150 | Project No.: 17190

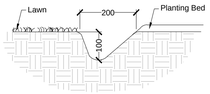
L1



Notes

1. Growing medium mix: 4 parts topsoil, 1 part compost, 1 part shredded peat & application of high phosphorous fertilizer (0-20-0)
2. Plant material shall be thoroughly watered at time of planting.
3. Plant material shall be set plumb in the middle of the pit.
4. Tree shall bear same relation or slightly higher to finished grade as originally grown.
5. Plant stock moved while in leaf shall be covered while in transit. Roots should be kept moist until planted. Trees in leaf to be treated with anti-desicant.
6. Dimensions are in millimeters unless otherwise noted.
7. Staking is to occur only at the direction of the landscape architect.
8. 100mm high saucer except when planting in bed.

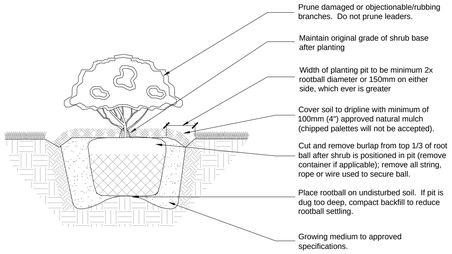
Deciduous Tree Planting B.B/W.B - Up to 80mm Caliber
N.T.S.



Typical Planting Bed Edge
Scale 1:10

GROWING MEDIUM REQUIREMENTS:

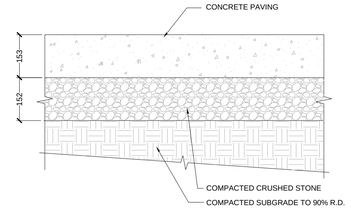
1. Contractor to provide soil testing results of growing medium to landscape consultant for approval prior to installation.
2. Contractor shall prepare planting beds and tree pits with approved growing medium prior to installation of plant material.
3. Contractor shall pay all costs to correct growing medium and replacement of plant material if specified tests, amendments, and written approval of the landscape consultant are not obtained.



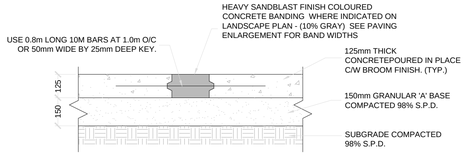
Notes

1. Growing medium mixture: 4 parts topsoil, 1 part compost, 1 part shredded peat & application of high phosphorous fertilizer (0-20-0).
2. Planting bed shall be thoroughly watered immediately after planting & prior to mulching.
3. For potted shrubs, saturate container/ roots/soil prior to removal of container before planting.
4. Shrubs are to be spaced as directed.
5. All dimensions are in millimeters.

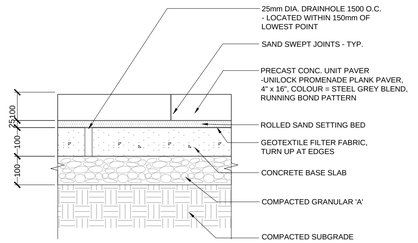
B&B/Container Stock Shrub Planting
N.T.S.



1 CONCRETE PAVING
1:10



2 COLOURED, SANDBLASTED CONCRETE BANDING
1:15



4 UNIT PAVERS ON CONCRETE BASE
1:10

GROWING MEDIUM NOTES:

1.0 GROWING MEDIUM TESTING:

1.1 Growing mediums (Topsoil; Planting Mixes) and organic amendments must be tested by an OMAFRA accredited agency and approved prior to use. Test topsoil for P, K, Ca and Mg, minor element values, soluble salt content, organic matter, texture and pH value appropriate for the establishment and growth of ornamental nursery stock. Submit test results and analysis including recommendations for amendments and fertilizer to the Consultant.

2.0 TOPSOIL:

2.1 Topsoil shall be fertile, friable, topsoil, free of: fragments larger than 75mm in size; stones over 30mm in diameter; debris; plants or their roots; sticks; noxious seed plants; stolons; seeds; salts; soil sterilants; chemical contaminants; o other materials detrimental to plant growth.

2.2 Fertilizer and Amendments: must be made as per soil testing agency recommendations.

2.3 All topsoil for the intensive use lawn areas shall be sandy loam class only.

2.4 Topsoil: shall not be moved, delivered or worked on while in a frozen state or condition.

3.0 GROWING MEDIUM - PLANTING MIXES:

3.1Planting Mix: (where specified) shall be thoroughly combined prior to placement in planting bed areas to the following proportions: 4 parts approved topsoil, 1 part compost, 1 part shredded peat moss and an application of high phosphorous fertilizer (0-20-0).

3.2 Mixes containing a significant amount of peat moss shall not be permitted to dry out. The moisture content of the peat moss at the time of mixing shall be not less than 60% to 75%.

4.0 FERTILIZER AND AMENDMENTS:

4.1 Organic Soil Additive: "Gro-Bark" Fine Composted Pine Mulch or an approved alternative.

4.2 Fertilizer: complete commercial fertilizer with 50% of the elements derived from organic sources.

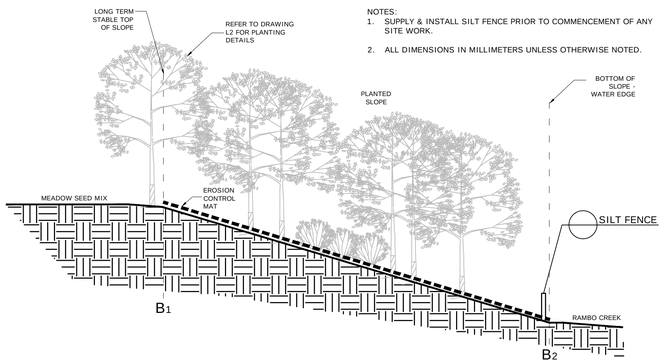
4.3 Peat Moss: decomposed plant material, fairly elastic and homogenous, free of decomposed colloidal residue, wood, sulphur and iron and of brown colour containing minimum 60% organic matter by weight, moisture content not exceeding 15% and pH value of 3.4 - 5.5.

4.4 Compost and Manure: shall meet the standards found in the Interim Guidelines for the Production and Use of Aerobic Compost in Ontario published by the Ontario Ministry of Environment and Energy (MOEE), and shall be virtually free from all viable weed seeds, or other plant reproductive parts, pathogens, chemicals or toxic contaminates. Manure shall be well rotted, unbleached cattle manure, free from harmful chemicals and other injurious substances, at least eight months old, but not more than two years old and with no more than 25% straw, leaves or other materials. Physical contaminates such as rock, plastic, metal or glass shall be less than 0.5%. Total carbon to nitrogen ratio in the resulting growing medium shall not exceed 30:1.

4.5 Lime: Limestone containing not less than 8% of calcium and magnesium carbonates combined, finely ground to pass a 10 mesh sieve with at least one half passing a 100 mesh sieve. Rate of application shall be determined after the pH of the topsoil.

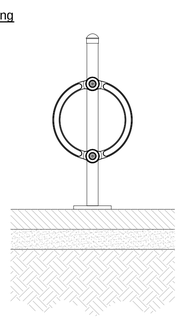
4.6 Bonemeal: raw, finely ground with a minimum analysis of 4% nitrogen and 20% phosphoric acid.

4.7 Sand: sharp, clean sand, to OPSS 1002-3.

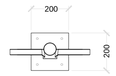


NOTES:
1. SUPPLY & INSTALL SILT FENCE PRIOR TO COMMENCEMENT OF ANY SITE WORK.
2. ALL DIMENSIONS IN MILLIMETERS UNLESS OTHERWISE NOTED.

7 TYPICAL SLOPE PLANTING
N.T.S.



SECTION



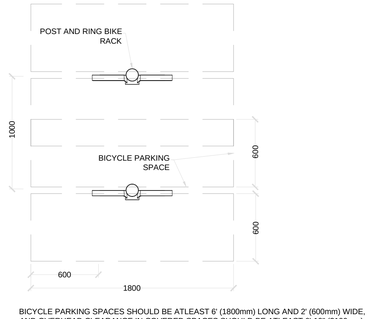
PLAN VIEW

NOTES:

Materials: Steel tubing (1.6" diam.) and flatbar mounting plate.
Dimensions:
Height: 36" standard
Circle Width: 20"
Frame: 1.625 diam. round tubing
Weight: 25lbs
Finish: All steel components are rustproofed prior to powdercoating.
Installation: May be set in concrete or bolted down to surface with an optional mounting plate.

MANUFACTURER (Surface): Maglin Furniture Systems Ltd. 113 Wennett Street, Woodstock, On. tel. 1-519-539-6776 Model type: MAGLIN MBR 200 BIKE RACK (or equal to be approved by Consultant)

3 BIKE RACK
1:15



BICYCLE PARKING SPACES SHOULD BE ATLEAST 6' (1800mm) LONG AND 2' (600mm) WIDE, AND OVERHEAD CLEARANCE IN COVERED SPACES SHOULD BE ATLEAST 6'-10" (2100mm).

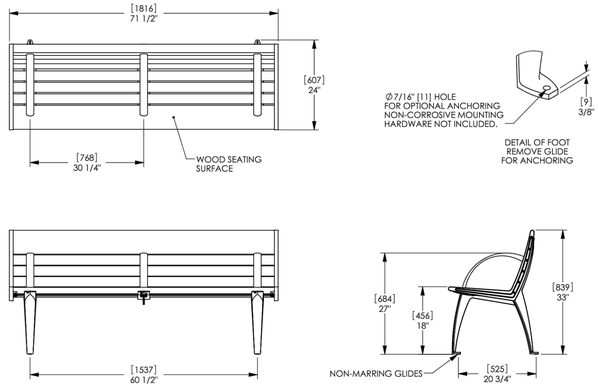
A 6' (1800mm) WIDE AISLE FOR BICYCLE MANEUVERING SHOULD BE PROVIDED AND MAINTAINED BESIDE OR BETWEEN EACH ROW OF BICYCLE PARKING.

LOCATE BICYCLE PARKING IN A WELL-LIT, SECURE LOCATION WITHIN 15 METERS OF THE MAIN ENTRANCE TO BUILDING.

ALLOW FOR 1800m WIDTH PEDESTRIAN PASSAGE WITHIN PUBLIC RIGHT-OF-WAY.

PLAN

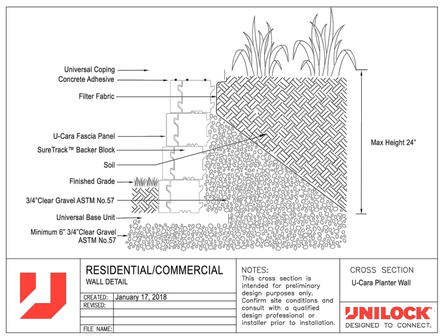
Austin™ Product Drawing — Backed Bench, Freestanding / Surface Mount, Wood, End Arms and Center Arm — www.landscapeforms.com — Date: 12/18/2019 — Ph: 800.521.2546



landscapeforms Drawing: AU452-06 Dimensions are in inches [mm]

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9 BENCH - LANDSCAPE FORMS AUSTIN BENCH
NTS



NOTE:
1. Not for construction.
2. For reference only.
3. Contractor to provide stamped engineered shop drawings for Landscape Architect review and approval prior to construction.

8 DECORATIVE RETAINING WALL - FOR REFERENCE ONLY
NTS

GENERAL NOTES:

1. Drawings not to be used for construction unless authorized by the Landscape Architect
2. Contractor shall report any discrepancies between the drawings and site conditions prior to commencement of the work
3. All utility locates are the responsibility of the Contractor. Hand dig within the limits recommended by the service utility. Utility conflicts with proposed tree locations must be reported immediately to the Landscape Architect
4. Base drawing provided by MacKay, MacKay and Peters Limited
5. Landscape drawings show engineering information for design purposes only. Do not construct engineering works from these drawings.

DETAILS

401-417 Martha St.
Burlington, Ontario

NOT FOR CONSTRUCTION

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS — BRIAN H. ROTH — OALA — 25 NOVEMBER — MEMBER

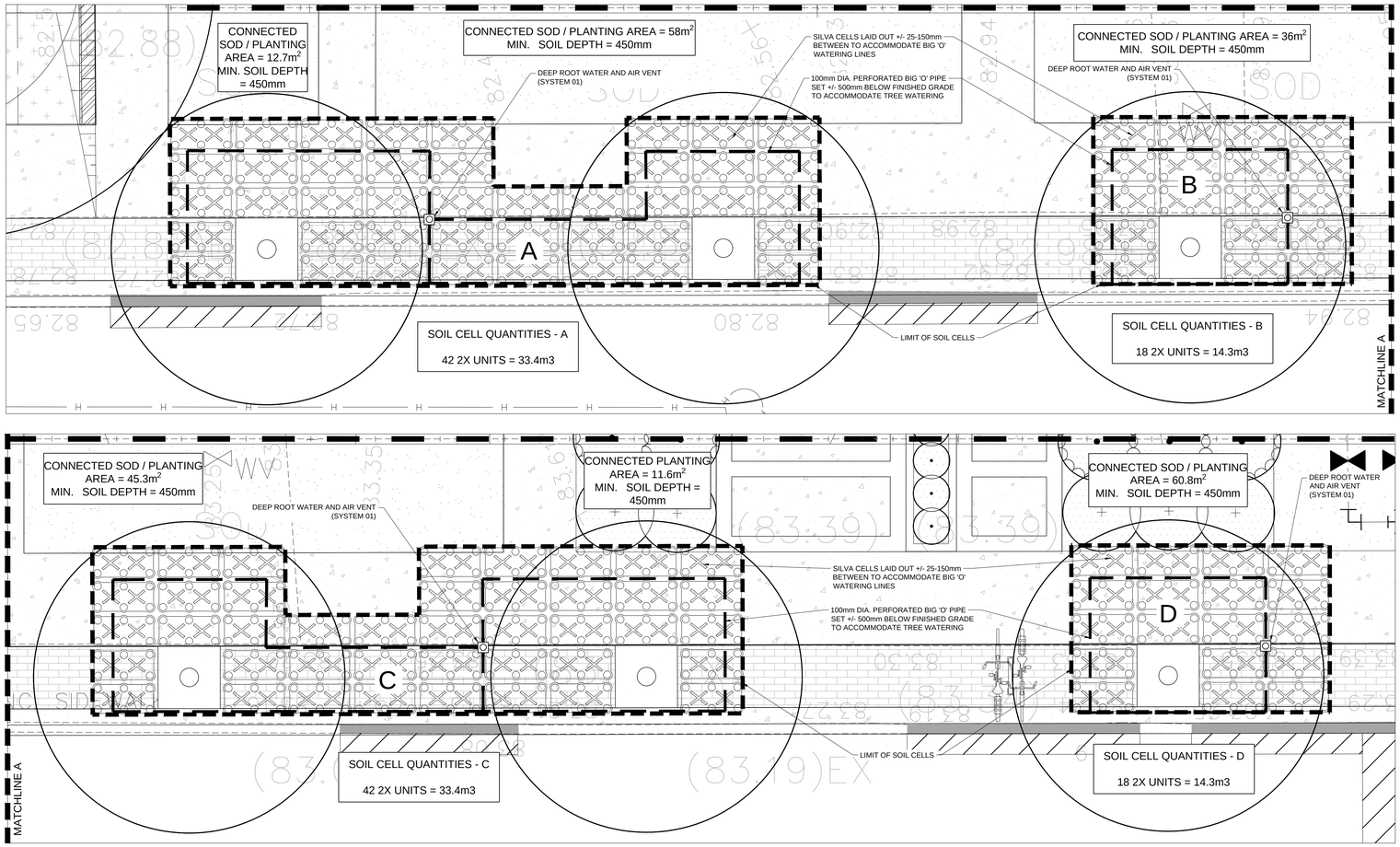
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Apr. 17, 2018	Issued for Coordination	CBI
Apr. 19, 2018	Issued for re-zoning application	CBI
Oct. 11, 2018	Issued for Coordination	CBI
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DATE	REVISIONS	BY

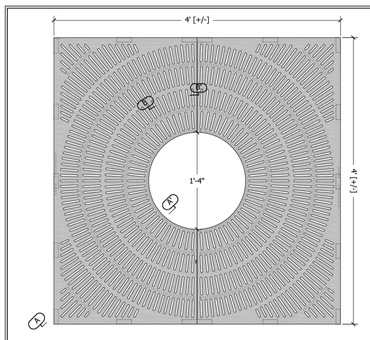
GSP group
201-72 Victoria Street South, Kitchener, Ontario N2G 4Y9, T 519 569 8883, F 519 569 8643
162 Locke Street South, Suite 200, Hamilton, Ontario L8P 4A9, T 905 572 7477
www.gspgroup.ca

Date: October 11, 2018 | Drawn By: OW
Scale: As Shown. | Project No.: 17190

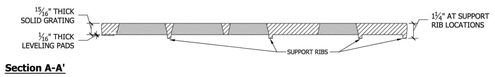
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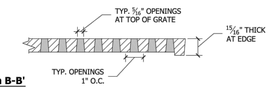
1 SILVA CELL LAYOUT
1:50



Plan



Section A-A'



Section B-B'

SPECIFICATIONS
- Material will be high quality 100% recycled grey iron; ASTM A48 class 35b or better; hardness 170-223 brinnell (unless specified otherwise; see below).
  Material:
  - □ Grey iron ASTM A48 (standard)
  - □ Aluminum, ASTM B26
  - □ Ductile iron, (required for all load ratings higher than pedestrian) ASTM A536 class 65-45-12.
  - □ Nickel bronze (ASTM B30)
  - □ Bronze (ASTM B26)
- Finish will be natural patina of raw iron (unless specified otherwise; see below).
  Finish:
  - □ Raw (standard)
  - □ Rust conditioner
  - □ Polyester Powder Coat*
  - □ Liquid Coat (wet paint)*
    Color:
    *Please specify standard UA color or mfr. name and color code.
  - □ Brush (bronze/nickel/aluminum only)
  - □ Polish (bronze/nickel/aluminum only)
  - □ Galvanized (grey iron and ductile iron only)
  - □ Other:
- **Dimensions are nominal.**

Notes
1) Cast in two pieces.
2) Grate is 1" thick at edge.
3) Center opening expansions at 2'-0" and 2'-7".
4) No openings greater than ⅜", in conformance with ADA Accessibility Guidelines.
5) Grate weighs 226 lbs.

Comments:

Tree Grate
4' Sq. Kiva

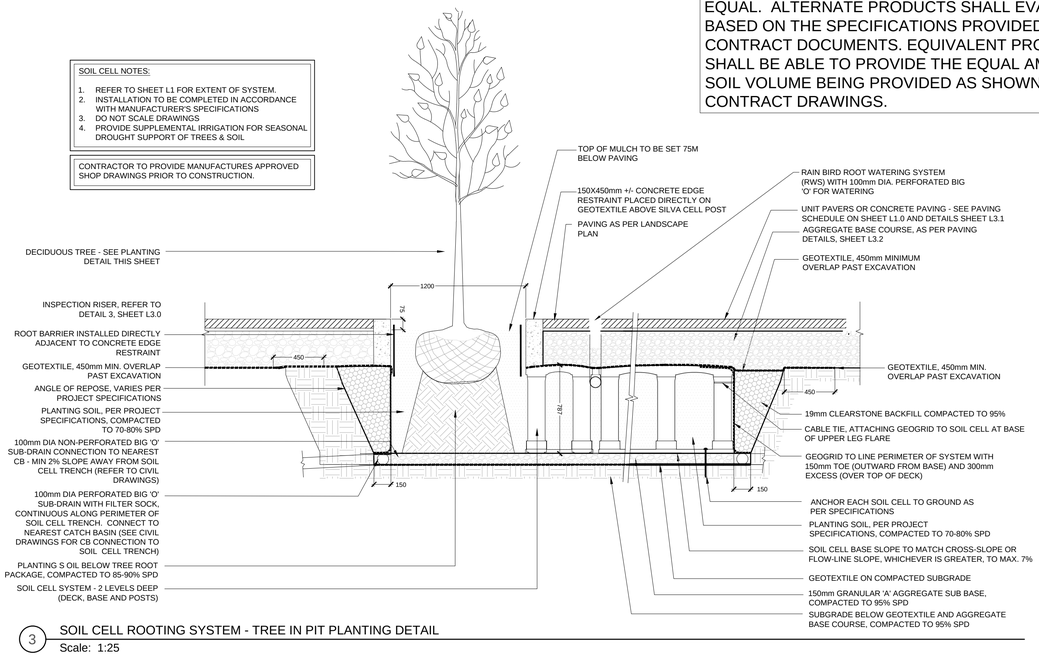
Page 1 of 1 Date: 5/22/12

URBAN ACCESSORIES Founded 1972
465 E. FIFTEENTH ST. sales@urbanaccessories.com
TACOMA, WA 98421 www.urbanaccessories.com
(877) 487-0488

2 TREE GRATE
NTS

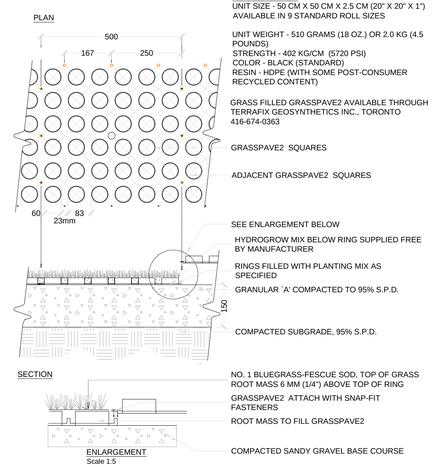
SOIL CELL NOTES:
1. REFER TO SHEET L1 FOR EXTENT OF SYSTEM.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS
3. DO NOT SCALE DRAWINGS
4. PROVIDE SUPPLEMENTAL IRRIGATION FOR SEASONAL DROUGHT SUPPORT OF TREES & SOIL

CONTRACTOR TO PROVIDE MANUFACTURES APPROVED SHOP DRAWINGS PRIOR TO CONSTRUCTION.



3 SOIL CELL ROOTING SYSTEM - TREE IN PIT PLANTING DETAIL
Scale: 1:25

NOTE: SOIL CELLS TO BE SILVA CELLS OR APPROVED EQUAL. ALTERNATE PRODUCTS SHALL EVALUATED BASED ON THE SPECIFICATIONS PROVIDED IN THE CONTRACT DOCUMENTS. EQUIVALENT PRODUCTS SHALL BE ABLE TO PROVIDE THE EQUAL AMOUNT OF SOIL VOLUME BEING PROVIDED AS SHOWN ON THE CONTRACT DRAWINGS.



SPECIFICATIONS
UNIT SIZE - 50 CM X 50 CM X 2.5 CM (20" X 20" X 1")
AVAILABLE IN 9 STANDARD ROLL SIZES

UNIT WEIGHT - 510 GRAMS (18 OZ.) OR 2.0 KG (4.5 POUNDS)
STRENGTH - 402 KG/CM (5720 PSI)
COLOR - BLACK (STANDARD)
RESIN - HDPE (WITH SOME POST-CONSUMER RECYCLED CONTENT)

GRASS FILLED GRASSPAVE2 AVAILABLE THROUGH TERRAFIX GEOSYNTHETICS INC., TORONTO
416-674-0363

GRASSPAVE2 SQUARES

ADJACENT GRASSPAVE2 SQUARES

4 GRASS PAVER
Scale 1:10

GENERAL NOTES:

1. Drawings not to be used for construction unless authorized by the Landscape Architect

2. Contractor shall report any discrepancies between the drawings and site conditions prior to commencement of the work

3. All utility locates are the responsibility of the Contractor. Hand dig within the limits recommended by the service utility. Utility conflicts with proposed tree locations must be reported immediately to the Landscape Architect

4. Base drawing provided by MacKay, MacKay and Peters Limited

5. Landscape drawings show engineering information for design purposes only. Do not construct engineering works from these drawings.

DETAILS

401-417 Martha St.
Burlington, Ontario

NOT FOR CONSTRUCTION

ONTARIO ASSOCIATION OF LANDSCAPE ARCHITECTS
SHAN H. ROTH
OALA
05 NOVEMBER 2018
MEMBER

DATE	ISSUE	BY
Apr. 17, 2018	Issued for Coordination	CBI
Apr. 19, 2018	Issued for re-zoning application	CBI
Oct. 11, 2018	Issued for Coordination	CBI
Mar. 10, 2020	Issued for Coordination	OW
May. 22, 2020	Issued for re-zoning application	OW
Oct. 15, 2020	Issued for Site Plan Approval	OW
Nov. 5, 2020	Issued for Site Plan Approval	OW

DATE	REVISIONS	BY

GSP group
201-72 Victoria Street South
Kitchener, Ontario N2G 4Y9
T 519 569 8883
F 519 569 8643

162 Locke Street South, Suite 200
Hamilton, Ontario L8P 4A9
T 905 572 7477

www.gspgroup.ca

Date: October 11, 2018
Drawn By: OW
Scale: As Shown.
Project No.: 17190

L3