

LEGEND

	SOD		DECORATIVE FENCE		GRASSES
	PRECAST PAVERS		BENCH		PERENNIALS - SUN
	RUBBER TILE SURFACING		DECORATIVE ROCKS		PERENNIALS - SHADE
	PEASTONE MAINTENANCE EDGE		SOIL VOLUME AREA AND ID		

Plant List

ID	Qty	Botanical Name	Common Name	Scheduled Size	Remarks
DECIDUOUS TREES					
AsA	3	Acer saccharum 'Arrowhead'	Arrowhead Sugar Maple	60mm caliper	WB, Staked
Ac	3	Amelanchier canadensis	Serviceberry	45mm caliper	WB, Staked
AcB	5	Amelanchier canadensis 'Ballerina'	Ballerina Serviceberry (tree form)	45mm caliper	WB, Staked
BnFV	1	Betula nigra 'Little King'	Fox Valley River Birch	45mm caliper	WB, Staked
CoC	2	Celtis occidentalis 'Chicagoland'	Chicagoland Hackberry	---	WB, Staked
CoPS	8	Celtis occidentalis 'Prairie Sentinel'	Prairie Sentinel Hackberry	60mm caliper	WB, Staked
CcgG	5	Crataegus crus-galli inermis 'Cruzam'	Thornless Crusader Cockspur Hawthorn	45mm caliper	WB, Staked
GbAG	2	Ginkgo biloba 'Autumn Gold'	Autumn Gold Maidenhair Tree	60mm caliper	WB, Staked
GbPS	6	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Maidenhair Tree	70mm caliper	B&B / WB, sing
Gtl	2	Gleditsia triacanthos var. inermis 'Impcole'	Imperial Honeylocust	70mm caliper	B&B / WB
GtS	3	Gleditsia triacanthos var. inermis 'Shademaster'	Shademaster Honeylocust	60mm caliper	WB, Staked
MD	1	Malus 'Dolgo'	Malus Dolgo	60mm caliper	WB, Staked
MHG	3	Malus x 'Harvest Gold'	Harvest Gold Crabapple	50mm caliper	WB, Staked
MM	7	Malus x 'Makamik'	Makamik Crabapple	45mm caliper	WB, Staked
Qma	1	Quercus macrocarpa	Bur Oak	70mm caliper	WB, Staked
SrIP	2	Syringa reticulata 'Ivory Pillar'	Ivory Pillar Japanese Tree Lilac	50mm caliper	WB, Staked
SrIS	2	Syringa reticulata 'Ivory Silk'	Ivory Silk Tree Lilac	50mm caliper	WB, Staked
UF	2	Ulmus minor x parvifolia 'Frontier'	Frontier Elm	60mm caliper	WB, Staked
SMALL CONIFEROUS TREES / LARGE CONIFEROUS SHRUBS					
JcPP	9	Juniperus communis 'Pencil Point'	Pencil Point Juniper	125cm ht	Potted
JvSR	9	Juniperus virginiana 'Skyrocket'	Skyrocket Juniper	150cm ht	Potted
PmT	2	Pinus mugo 'Tannenbaum'	Tannenbaum Mugo Pine	75cm spd	potted
PpBB	3	Picea pungens 'Baby Blueeyes'	Baby Blueeyes Spruce	75cm ht	specimen
ToDG	6	Thuja occidentalis 'Degroot's Spire'	Degroot's Spire Arborvitae	150 cm ht.	Potted
ToF	6	Thuja occidentalis 'Fastigiata'	Fastigiata Eastern Arborvitae	175cm ht	specimen
ToH	30	Thuja occidentalis 'Holmstrup'	Holmstrup Cedar	125cm ht	0.5m o.c.
SHRUBS					
DI	85	Diervilla lonicera	Dwarf Bush-honeysuckle	2 gallon pot	0.9m o.c.
HaA	9	Hydrangea arborescens 'Annabelle'	Annabelle Hydrangea	2 gallon pot	0.9m o.c.
HaIM	25	Hydrangea arborescens 'Invincible Mini'	Mini Mauvette Annabelle Hydrangea	2 gallon pot	0.9m o.c.
HpFI	1	Hydrangea paniculata 'Fire & Ice'	Fire & Ice paniclata hydrangea	2 gallon pot	0.9m o.c.
PoTW	8	Physocarpus opulifolius 'Tiny Wine'	Tiny Wine Dwarf Ninebark	50cm ht.	0.9m o.c.
Ral	24	Ribes alpinum	Alpine Currant	50cm ht.	1.0m o.c.
Rr	32	Rosa rugosa	Rugose Rose	50cm ht.	1.0m o.c.
SbC	40	Spiraea bumalda 'Coccinea'	Dwarf Red Spirea	50cm ht.	0.8m o.c.
SbG	29	Spiraea bumalda 'Goldflame'	Goldflame Spirea	50cm ht.	0.9m o.c.
SJS	27	Spiraea japonica 'Shirobana'	Shirobana Spirea	50cm ht.	0.9m o.c.
Sns	27	Spiraea nipponica 'Snowmound'	Snowmound Spirea	50cm ht.	0.9cm o.c.
PERENNIALS					
PvA	946	Ornamental Grasses	Feather Reed Grass, Switch Grass, Bottlebrush Grass, Fescue	150mm Pot	0.5 - 0.75m o.c.
PvB	422	Sun Perennial varieties	Coneflower, Daylily, Black Eyed Susan, Beebalm, Spiked Speedwell, Blanket Flower, Blazing Star	150mm Pot	0.5 - 0.6m o.c.
PvC	290	Shade Perennial varieties	Ostrich Fern, Hosta varieties, Bigroot Geranium, Astilbe, Lamium	150mm Pot	0.5 - 0.6m o.c.

Soil Volume Area, Tree Quantity and Size

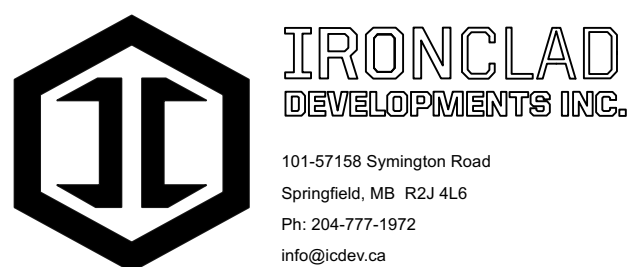
Area	Tree Quantity	OTTAWA Target Soil Volume (m³)	Design Soil Volume	Soil Adequacy percentage
AREA A - 2 large trees plant bed (115 sq m x 0.6 metre deep)	2	36.0	69.0	191.67%
AREA B - 4 columnar trees plant bed (110 sq m x 0.6 metre deep)	4	36.0	66.0	183.33%
AREA C - 1 *small ornamental tree (15cm DBH) plant bed (18 sq m x 0.6 metre deep)	1	8.0	10.8	135.00%
AREA D - 2 large trees plant bed (120 sq m x 0.6 metre deep)	2	36.0	72.0	200.00%
AREA E - 1 small tree plant bed (18 sq m x 0.9 metre deep)	1	20.0	16.2	81.00%
AREA F - 1 large tree plant bed (40 sq m x 0.7 metre deep)	1	30.0	28.0	93.33%
AREA G - 2 ornamental trees plant bed (20 sq m x 0.6 metre deep)	1	9.0	12.0	133.33%
AREA H - 5 *small ornamental trees (15cm DBH) plant bed (38 sq m x 0.7 metre deep)	5	28.0	26.6	95.00%
AREA J - 3 columnar trees, 2 *small ornamental trees (15cm DBH) plant bed (60 sq m x 0.7 metre deep)	5	38.2	42.0	109.95%
AREA K - 3 large trees plant bed (60 sq m x 0.9 metre deep)	3	54.0	54.0	100.00%
AREA L - 3 columnar trees, 2 small trees plant bed (70 sq m x 0.9 metre deep)	5	45.0	63.0	140.00%
AREA M - 2 columnar trees plant bed (35 sq m x 0.6 metre deep)	2	18.0	21.0	116.67%
AREA N - 1 *small ornamental tree (15cm DBH) plant bed (60 sq m x 0.6 metre deep)	2	18.0	36.0	200.00%
AREA O - 2 large trees plant bed (100 sq m x 0.6 metre deep)	2	36.0	60.0	166.67%
AREA P - 1 large tree plant bed (37 sq m x 0.8 metre deep)	1	30.0	29.6	98.67%
AREA Q - 1 ornamental tree plant bed (14 sq m x 0.9 metre deep)	1	15.0	12.6	84.00%
AREA R - 2 *small ornamental trees (15cm DBH) plant bed (43 sq m x 0.4 metre deep)	2	11.2	17.2	153.57%
AREA S - 1 *small ornamental tree (10cm DBH) plant bed (8 sq m x 0.7 metre deep)	1	6.0	5.6	93.33%
AREA T - 1 large tree, 2 medium trees plant bed (56 sq m x 0.9 metre deep)	3	48.0	50.4	105.00%
AREA U - 1 medium tree, 2 small trees plant bed (35 sq m x 0.9 metre deep)	3	39.0	31.5	80.77%

* Small ornamental trees with growth to 8-15cm DBH, large shrubs, and columnar conifers calculated using 'How much soil to grow a big tree' by DeepRoot as a guide



SERVICES D'INFRASTRUCTURE
DIRECTION DE CONCEPTION ET DE CONSTRUCTION

FOR / POUR
Planning, Infrastructure and Economic Development Department
INFRASTRUCTURE SERVICES
DESIGN & CONSTRUCTION



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1	Issued for SPC	2023/06/21	

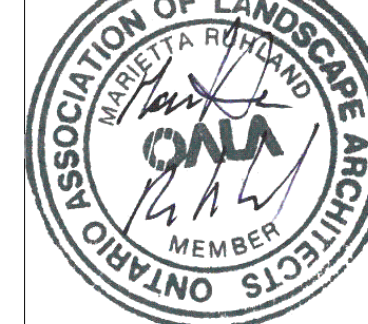
DESIGNED BY / CONCELU PAR M. Ruhland	CHECKED BY / VÉRIFIÉ PAR M. Ruhland
DRAWN BY / DÉSSINÉ PAR T. Frost / V. Odusanya	SCALE / ÉCHELLE 1:250

1	DRAWING TITLE	
A1.1	SCALE	

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CONSULTANT / EXPERT-CONSEIL



CONSULTANT / EXPERT-CONSEIL

PROJECT / LOCATION / PROJET / ENDROIT
2133 INNES ROAD DEVELOPMENT

2133 INNES ROAD OTTAWA, ONTARIO

DRAWING / DESSIN
LANDSCAPE / PLANTING PLAN

BUSINESS ENTITY / NUMÉRO DE L'ENTITÉ
BUILDING NUMBER / NUMÉRO DU BÂTIMENT

SHEET NO. / FEUILLE NO.
L-01

CITY PROJECT NO. / CONS. PROJECT NO. / NUMÉRO DE PROJET / NUMÉRO DE PROJET
CR-23-1710

City File No. X00-00-00-0000

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1	Issued for SPC	2023/06/21	
NUMBER	MILESTONE / FAIT SAILLANT	DATE: (Y/M/D)	INITIALS
DESIGNED BY / CONDUIT PAR	M. Ruhland	CHECKED BY / VÉRIFIÉ PAR	M. Ruhland
DRAWN BY / DÉSSINÉ PAR	T. Frost / V. Odusanya	SCALE: ÉCHELLE	

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SHEET NUMBER

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PROJECT / LOCATION / PROJET / ENDROIT

2133 INNES ROAD DEVELOPMENT

2133 INNES ROAD OTTAWA, ONTARIO

DRAWING / DESSIN

DETAILS

BUSINESS ENTITY / NUMÉRO DE L'ENTITÉ
BUILDING NUMBER / NUMÉRO DU BÂTIMENT

SHEET NO. / FEUILLE NO.

CITY PROJECT NO. / CONS. PROJECT NO. / NUMÉRO DE PROJET / # CR-
23-1710

L-02

DO NOT PRUNE LEADER
REMOVE DAMAGED OR OBJECTIONABLE BRANCHES. FOLLOW THE MOST RECENT CANADIAN NURSERY & TRADES ASSOCIATION PRACTICE
MINIMUM 1 STAKE 2400mm LONG ON WINDWARD SIDE. SECURE WITH No. 12 GALVANIZED WIRE ENCASED IN 12mm DIAMETER RUBBER HOSE, ALLOWING SLACK IN GALVANIZED WIRE. REMOVE STAKES AFTER 1 YEAR. STAKE BEYOND EDGE OF ROOT BALL
ROOT COLLAR TO BE SET 100mm ABOVE FINISHED GRADE
CONSTRUCT 100mm SAUCER AROUND TREE BASE. FILL WITH 75mm WOODCHIP MULCH. PULL BACK MULCH FROM BASE OF TREE. ENSURE THAT MULCH COVERS ALL EXPOSED SOIL
TOPSOIL IN TRENCH TO BE CONTINUOUS BETWEEN TREES TOPSOIL MIXTURE AS PER SPECIFICATIONS
EXISTING SUBGRADE
COMPACTED ROOT BALL SUPPORT PAD

VIEW PERPENDICULAR TO CURB

VIEW PARALLEL TO CURB

NOTES:
1. ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED
2. CUT AND REMOVE BURLAP AND WIRE BASKET FROM TOP 2/3 OF ROOT BALL WITHOUT DISTURBING ROOTS
3. LOCATION AS SPECIFIED ON THE CONTRACT DRAWINGS

DATE: MAY 2001
REV: JAN 2017
DWG No: L1

REMOVE FROM POT
75mm SHREDDED BARK MULCH
PLANT PERENNIALS AND GRASSES 25mm HIGHER THAN ADJACENT GRADE
SAUCER
PLANTING SOIL MIX: LIGHTLY COMPACT TO ELIMINATE AIR POCKETS AND PREVENT SETTLEMENT
SCARIFY SUBGRADE OF PLANTING BED

VARIES WITH SPECIES

NOTES:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED
2. PLANTING SOIL MIXTURE AS PER SPECIFICATION
3. PROVIDE 100MM HIGH EARTH SAUCER AROUND PERENNIAL/GRASS BED.

DATE: JAN 2015
REV:
DWG No: L21

CUT AND REMOVE BURLAP AND WIRE BASKET FROM TOP 2/3 OF ROOT BALL
REMOVE DAMAGED OR OBJECTIONABLE BRANCHES. FOLLOW THE MOST RECENT CANADIAN NURSERY & TRADES ASSOCIATION PRACTICE DO NOT PRUNE LEADER
STAKES MIN. 2400mm LONG SECURE WITH No.12 GALVANIZED WIRE ENCASED IN 12mm DIAMETER RUBBER HOSE, ALLOWING SLACK IN GALVANIZED WIRE. STAKE BEYOND EDGE OF ROOT BALL
75mm DEPTH SHREDDED CEDAR MULCH. PULL BACK MULCH FROM BASE OF SHRUBS. ENSURE THAT MULCH COVERS ALL EXPOSED SOIL
REMOVE POTS COMPLETELY FROM POTTED STOCK OR CUT AND REMOVE BURLAP AND WIRE FROM TOP 2/3 OF ROOT BALL
VARIES WITH SPECIES
PLANTING SOIL MIX: LIGHTLY COMPACT ADD WATER TO WELL TO ELIMINATE AIR POCKETS AND PREVENT SETTLEMENT
SCARIFY SUBGRADE OF PLANTING BED

NOTES:
1. PLANTING SOIL MIXTURE AS PER SPECIFICATION.
2. SHRUBS SPECIFIED BARE ROOTS (B.R.) TO BE PLANTED SO THAT ROOTS ARE FULLY EXTENDED IN PLANTING HOLE WITH SOIL MIX BACKFILLED CAREFULLY TO PREVENT ROOT DAMAGE
3. PROVIDE 100 HIGH EARTH SAUCER AROUND SHRUB BED
4. STAKES TO BE REMOVED AT COMPLETION OF TWO YEAR WARRANTY PERIOD

DATE: FEB 2013
REV: FEB 2014
DWG No: L17

BRUSH CLEAN POLYMERIC JOINT SAND INTO JOINTS UNLESS MANUFACTURER DOES NOT RECOMMEND IT

UNIT PAVERS
25mm LEVELLING BED OF COARSE SAND
GRANULAR 'A' (THICKNESS AS SPECIFIED) COMPACTED TO 95% PROCTOR DENSITY (SEE NOTE 5)
UNDISTURBED OR THOROUGHLY COMPACTED SUBGRADE

WOOD CAP ON ALL POSTS
50mm x 100mm TOP RAIL
100mm x 100mm POSTS
25mm x 100mm FRAME: TOP, BOTTOM, BOTH SIDES
38mm x 9.5mm TRELIS BOARDS, 52mm SPACING

2000

45 50 45

1250

100

FINISHED GRADE

200mm x 1200mm DEEP SONOTUBE FORMED CONCRETE FOOTING WITH SLOPED TOP AND EXPANDED BOTTOM

NOTES:
- ALL WOOD TO BE GRADE A EASTERN WHITE CEDAR.
- ALL SIZES ARE NOMINAL
- ALL FASTENERS TO BE ALUMINUM OR HOT DIPPED GALVANIZED.
- WOOD SCREWS TO BE EXTERIOR GRADE, COATED.
- WOOD FENCE TO BE LEFT NATURAL.
- PROVIDE MOCKUP SAMPLE.

1 Decorative Fence
L-02 Scale: NTS

DATE: MAY 2001
REV: FEB 2016
DWG No: SC9

NOTES:
1. THE LEVELLING COURSE (BEDDING SAND) SHALL BE PLACED LOOSE, IN A UNIFORM LAYER AT A MAXIMUM DEPTH OF 25mm TO ACHIEVE THE FINAL COMPACTED THICKNESS AND GRADE AS SPECIFIED
2. INSTALL SOLID EDGE RESTRAINT BETWEEN UNIT PAVERS AND ANY SOFT SURFACE (SOD, PLANTING BED, ETC.)
3. UNIT PAVERS ARE THEN PLACED ON TOP OF THE LEVELLING COURSE AND ADDITIONAL SAND SWEEP BETWEEN THE UNIT PAVERS
4. THE UNIT PAVERS ARE THEN VIBRATED INTO PLACE WITH A VIBRA-PLATE AND WATER IS ADDED TO ASSIST IN THE SETTLING OF THE JOINT SAND
5. GRANULAR 'A' DEPTH TO BE 100mm FOR PEDESTRIAN AREAS AND 150mm FOR VEHICULAR ACCESSSES. OR AS RECOMMENDED BY GEOTECHNICAL INVESTIGATION
6. USE OF THIS DETAIL REQUIRES THE PRIOR APPROVAL OF THE GENERAL MANAGER

DATE: MAY 2001
REV: FEB 2016
DWG No: SC9

REMOVE DAMAGED OR OBJECTIONABLE BRANCHES, FOLLOW THE MOST RECENT CANADIAN NURSERY & TRADES ASSOCIATION PRACTICE. DO NOT PRUNE LEADER
TREE WRAP APPLIED SPIRALLY FROM GROUND UP TO HEIGHT OF SECOND BRANCHES. REMOVE AFTER PLANTING
CONSTRUCT 100mm SAUCER AROUND TREE BASE
MINIMUM 1 STAKE 2400mm LONG ON WINDWARD SIDE. SECURE WITH No. 12 GALVANIZED WIRE ENCASED IN 12mm DIAMETER RUBBER HOSE, ALLOWING SLACK IN GALVANIZED WIRE. REMOVE STAKES AFTER ONE YEAR. STAKE BEYOND EDGE OF ROOT BALL
ROOT COLLAR TO BE SET 100mm ABOVE FINISHED GRADE
TOPSOIL MIXTURE AS PER SPECIFICATION
APPLY APPROVED PLASTIC RODENT GUARD 450mm MINIMUM
NOTE:
1. ALL MEASUREMENTS ARE IN MILLIMETRES UNLESS OTHERWISE NOTED
2. LOCATION AS SPECIFIED ON THE CONTRACT DRAWINGS

CUT AND REMOVE BURLAP AND WIRE BASKET FROM TOP 2/3 OF ROOT BALL WITHOUT DISTURBING ROOTS

DECIDUOUS TREE PLANTING

REMOVE DAMAGED OR OBJECTIONABLE BRANCHES, FOLLOW THE MOST RECENT CANADIAN NURSERY & TRADES ASSOCIATION PRACTICE. DO NOT PRUNE LEADER
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CONIFEROUS TREE PLANTING

DATE: MAY 2001
REV: JAN 2017
DWG No: L2