

NOTE:

THIS PLAN IS ISSUED FOR SITE PLAN CONTROL SUBMISSION ONLY. ADDITIONAL DETAILING AND **SPECIFICATIONS ARE REQUIRED** PRIOR TO TENDERING OR CONSTRUCTION.

THIS PLAN TO BE READ IN **CONJUNCTION WITH TCR BY DENDRON FORESTRY SERVICES EXISTING TREES TO BE PRESERVED** AND PROTECTED AS PER TCR.

SERVICING INFORMATION SHOWN AS REFERENCE ONLY. REFER TO CIVIL DRAWINGS.

GENERAL NOTES .1 All general site information and conditions compiled from existing plans, surveys and consultant's field notes. Report all discrepancies prior to any work. No responsibility is born by the Consultant for unknown subsurface conditions. .2 The location of the utilities is approximate only, and the exact location should be determined by consulting the municipal authorities and utility companies concerned. The Contractor shall prove the location of utilities and shall be responsible for adequate protection from damage.

.3 All dimensions shown are to be verified on site prior to any construction. No deviations are to be made from the layouts as shown on this plan without prior consultation with the Landscape Architect and

.4 Obtain approval of the Consultant(s) for granular base and layout of all pavement areas prior to construction.

.5 Stake planting locations and receive approval of Landscape Architect, prior to excavation of any planting pits. No substitutions of plant material shall be made without prior approval of the Landscape

.6 Where clay is encountered proper drainage must be ensured in tree/shrub pits, prior to planting. Have method approved by Landscape Architect. .7 Maintain positive surface runoff through the entire construction period.

.8 Reinstate all areas and items damaged as a result of construction activities.

Non N - Introduced, non-invasive species

PEASTONE MAINTENANCE EDGE

PRECAST CONCRETE PAVERS TYP.1

PRECAST CONCRETE PAVERS TYP.2

C.I.P. CONCRETE PATH

STEPPING STONE PATH

PROPOSED PERENNIALS

PROPOSED SOD

SOIL VOLUME AREA = 11.2 sq m AREA = 11 sq mEXISTING BUILDING TO REMAIN SOIL VOLUME AREA = 26.5 sqSOIL VOLUME AREA = 31 sq m-

MURRAY STREET

SOIL VOLUME

LEGEND SOIL VOLUME AREA AND IDENTIFIER TREE CANOPY AREA TREE CANOPY COVERAGE 194 **2**3 TOTAL CANOPY AREA 654 m2 **TOTAL SITE AREA** PERCENT COVERAGE

	SOIL VOLUME CH				
Soil Volume Area, Tree Quantity and Size		Tree Quantity	OTTAWA Target Soil Volume (m³)	Design Soil Volume	Soil Adequacy percentage
AREA A -	1 medium tree, 1 ornamental tree				
plant bed (31 sq m x 0.7 metre deep)		2	24.0	21.7	90.42%
AREA B -	1 medium tree, 1 ornamental tree				
plant bed (26.5 sq m x 0.9 metre deep)		2	24.0	23.9	99.38%
AREA C -	1 ornamental tree				
plant bed (11.2 sq m x 1.2 metre deep)		1	15.0	13.4	89.60%
AREA D -	1 ornamental tree				
plant bed (11 sq m x 1.2 metre deep)		1	15.0	13.2	88.00%
* Small ornan	nental trees with growth to 8-15cm DBH, I	arge shrub	s, and columna	r conifers	calculated using

'How much soil to grow a big tree' by DeepRoot as a guide

.	Plant List			Common Nome	0 1 1 0:	
Origin	טו		Botanical Name	Common Name	Sched. Size	Remarks
		5	TREES			
Ntv H		1	Amelanchier canadensis 'Ballerina'	Ballerina Serviceberry (tree form)	40mm caliper	WB, Stake
Ntv	ВрС	1	Betula papyrifera	Paper Birch Clump 40mm ca		WB, Stake
	CcgC	1	Crataegus crus-galli inermis 'Cruzam'	Thornless Crusader Cockspur Hawthorn	45mm caliper	WB, Stake
Non N	MsRS	1	Magnolia stellata 'Royal Star'	Royal Star Magnolia	45mm caliper	WB, Stake
Ntv	Ov	1	Ostrya virginiana	Ironwood	50mm Caliper	WB, Stake
		35	SHRUBS			
Ntv	Cal	2	Clethra alnifolia	Summersweet Clethra	50cm ht	
Ntv	Cs	2	Cornus sericea (stolonifera)	Red Twigged Dogwood	50cm ht	
Ntv	DI	3	Diervilla lionicera	Dwarf Bush Honeysuckle	50cm ht.	
Ntv	Hvi	1	Hamamelis virginiana	Virginia Witch Hazel	50mm caliper	WB, Stake
Ntv H	HaA	9	Hydrangea arborescens 'Annabelle'	Annabelle Hydrangea	2 gallon pot	
Ntv H	HqA	4	Hydrangea quercifolia 'Amethyst'	Amethyst Oakleaf Hydrangea	2 gallon pot	1.2m o.c.
Ntv H	PoTW	2	Physocarpus opulifolius 'Tiny Wine'	Tiny Wine Ninebark	50cm ht.	
Non N	SbT	9	Spiraea betulifolia 'Tor'	Tor Birchleaf Spirea	50cm ht	
Non N		3	Spiraea japonica 'Shirobana'	Shirobana Spirea	3 gallon pot	
		230	PERENNIALS			
Ntv	Мр	3	Matteuccia pennsylvanica Ostrich Fern		2 gallon pot	
Mix	PvA	85	Perennial varieties A	Flowering perennials sun/part shade for roadside		0.5m o.c
Mix	PvB	12	Perennial varieties B	Groundcovers for light foot-traffic		0.3m o.c
Mix	PvC	20	Perennial varieties C	Flowering perennials sun/part shade		0.6m o.c
Mix	PvD	25	Perennial varieties D	Flowering perennials shade/part shade		0.5m o.c
Mix	PvE	85	Perennial varieties E	Flowering perennials shade/part shade moist areas	8	0.45m o.c.
Plant o	ative Native sp	ecies,	horticultural variety PvB - Irish Mos PvC - Daylilies,			

PvC - Daylilies, Russian Sage, Purple Coneflower, White Blazing Star
PvD - Hosta varieties, Margaret Wilson Geranium, Wild Blue Phlox, Rodgersia, Ferns
PvE - Firecracker Yellow Loosestrife, Cardinal Flower, Rodgersia, Blue Flag Iris

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6				
5				
4	Re-issued for Site Plan	Control	2024/11/29	
3	Re-issued for Site Plan	Control	2023/12/13	
2	Re-issued for Site Plan	Control	2023/11/01	
1	Issued for Site Plan Control		2023/07/18	
NUMBER/ NUMÉRO	MILESTONE / FAIT SAILLANT		DATE: (Y/M/D) (A/M/J)	INITIALS INITIALE
DESIGNED BY / CONCU PAR		CHECKED BY / VE	ERIFIE PAR	

A. Ahmed / M. Ruhland M. Ruhland SCALE / ECHELLE DRAWN BY / DESSINE PAR T. Frost / V. Odusanya



ARCHITECT CONSULTANT CONSULTANT CONSULTANT

PROJECT / LOCATION

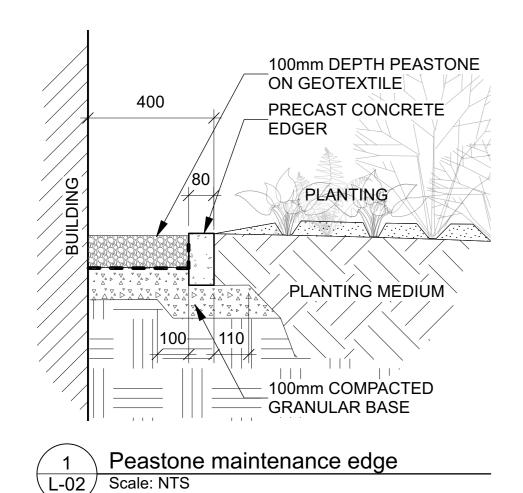
168 - 174 MURRAY STREET ADDITION

168 – 174 MURRAY STREET OTTAWA, ONTARIO

LANDSCAPE / PLANTING **PLAN**

PROJECT NO.

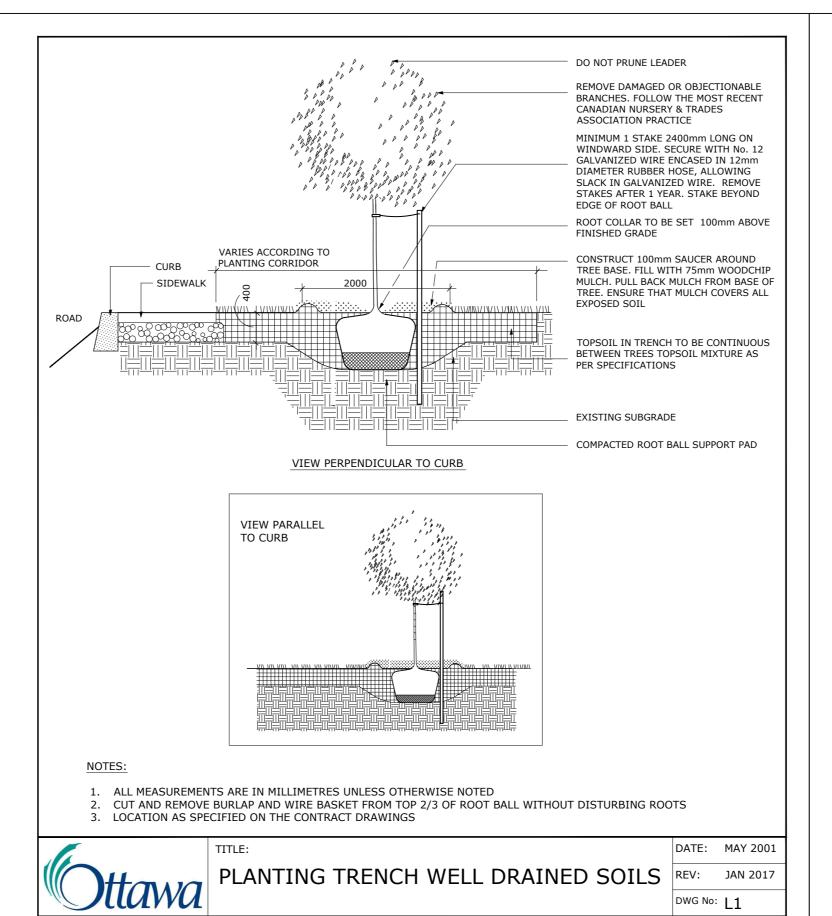
22-1682



NOTE - TREE SOIL VOLUME REQUIREMENTS: STANDARD TREE SOIL VOLUMES QUANTITIES INCLUDE THE TOP 900-1000mm OF SOIL/EXISTING SUBSOIL LAYER TO CALCULATE TOTAL SOIL VOLUMES REQUIRED BY CITY OF OTTAWA FOR SUSTAINABLE TREE GROWTH. WHERE LARGER SOFT AREAS ARE AVAILABLE, THE TOP 400-500mm LAYER IS USED TO CALCULATE SOIL VOLUMES.

WHERE EXISTING MATERIAL BELOW THE SPECIFIED TOPSOIL IS NOT CONDUCIVE TO TREE GROWTH, AN ADDITIONAL LAYER OF PLANTING MEDIUM IS TO BE INSTALLED BELOW SPECIFIED TOPSOIL DEPTH TO OBTAIN THE SOIL VOLUME DEPTH REQUIRED.

REFER TO SOIL VOLUME CHART AND PLANS FOR AREA WHERE TREE SOIL VOLUMES ARE REQUIRED.



UNIT PAVERS

COARSE SAND

(SEE NOTE 5)

THE SETTLING OF THE JOINT SAND

RECOMMENDED BY GEOTECHNICAL INVESTIGATION

6. USE OF THIS DETAIL REQUIRES THE PRIOR APPROVAL OF THE GENERAL MANAGER

25mm LEVELLING BED OF

GRANULAR 'A' (THICKNESS

AS SPECIFIED) COMPACTED

TO 95% PROCTOR DENSITY

RECOMMENDATIONS.

TREE SOIL VOLUME REQUIREMENTS: - STANDARD TREE SOIL VOLUMES QUANTITIES INCLUDE THE TOP 900-1000mm OF SOIL/EXISTING SUBSOIL LAYER TO CALCULATE TOTAL SOIL VOLUMES REQUIRED BY CITY OF OTTAWA FOR SUSTAINABLE TREE GROWTH. WHERE LARGER SOFT AREAS ARE AVAILABLE, THE TOP 400-500mm LAYER IS USED TO CALCULATE SOIL VOLUMES.

1. THE LEVELING COURSE (BEDDING SAND) SHALL BE PLACED LOOSE, IN A UNIFORM LAYER AT A MAXIMUM

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 LEVELING COURSE AND ADDITIONAL SAND SWEPT BETWEEN

4. THE UNIT PAVERS ARE THEN VIBRATED INTO PLACE WITH A VIBRA-PLATE AND WATER IS ADDED TO ASSIST IN

5. GRANULAR 'A' DEPTH TO BE 100mm FOR PEDESTRIAN AREAS AND 150mm FOR VEHICULAR ACCESSES. OR AS

ADDITIONAL NOTES FOR NUMBER 5: 100mm DEPTH GRANULAR 'A' TO BE USED (AFTER APPROVAL) ONLY IN PEDESTRIAN WHERE NO

SNOW REMOVAL IS PLANNED. ALL OTHER PEDESTRIAN AREAS ARE TO RECEIVE 150mm COMPACTED GRANULAR 'A' MINIMUM,

VEHICULAR 200mm MINIMUM. FURTHER ADJUSTMENTS TO BE SPECIFIED IN RELATION TO SITE CONDITIONS AND GEOTECHNICAL

UNIT PAVING - ON GRANULAR BASE

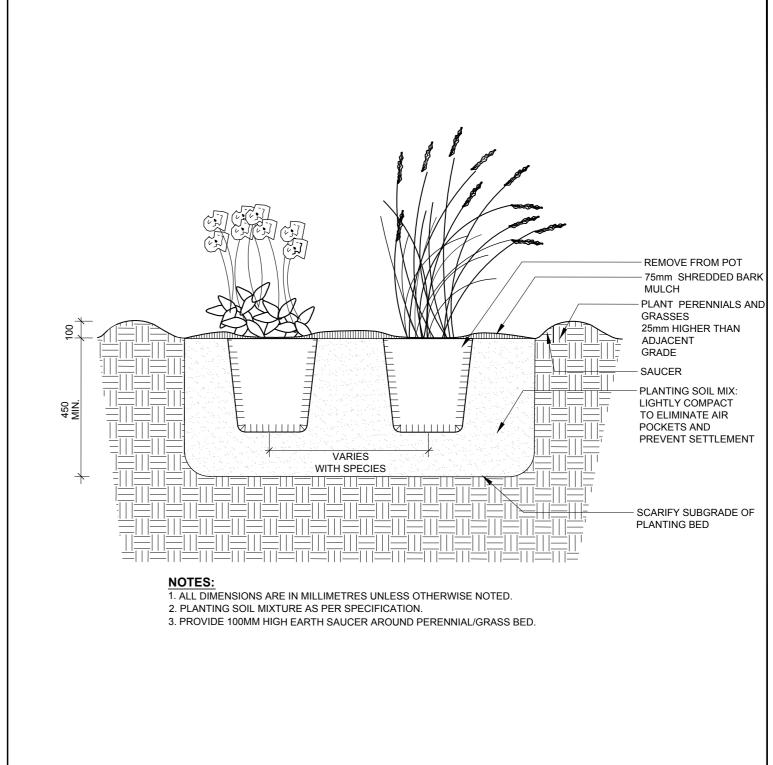
DEPTH OF 25mm TO ACHIEVE THE FINAL COMPACTED THICKNESS AND GRADE AS SPECIFIED

- WHERE EXISTING MATERIAL BELOW THE SPECIFIED TOPSOIL IS NOT CONDUCIVE TO TREE GROWTH, AN ADDITIONAL LAYER OF PLANTING MEDIUM IS TO BE INSTALLED BELOW SPECIFIED TOPSOIL DEPTH TO OBTAIN THE SOIL VOLUME DEPTH REQUIRED. - REFER TO SOIL VOLUME CHART AND PLANS FOR AREA WHERE TREE SOIL VOLUMES ARE REQUIRED.

BRUSH CLEAN POLYMERIC JOINT SAND INTO JOINTS

UNLESS MANUFACTURER DOES NOT RECOMMEND IT

UNDISTURBED OR THOROUGHLY COMPACTED SUBGRADE



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Re-issued for Site Plan Control 2024/11/29 Re-issued for Site Plan Control 2023/12/13 Re-issued for Site Plan Control 2023/11/01 Issued for Site Plan Control 2023/07/18 DATE: (Y/M/D) INITIALS INITIALE: MILESTONE / FAIT SAILLANT ESIGNED BY / CONCU PAR CHECKED BY / VERIFIE PAR A. Ahmed / M. Ruhland M. Ruhland

SCALE / ECHELLE

DATE: JAN 2015 DRAWN BY / DESSINE PAR DWG No: L21 T. Frost / V. Odusanya

CUT AND REMOVE BURLAP AND WIRE BASKET FROM TOP 3/3 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 3/3 OF ROOT BALL

PERENNIAL AND ORNAMENTAL

GRASS PLANTING

DATE: MAY 2001

REV: FEB 2016

DWG No: SC9

CONTINUOUS SHRUB BED PLANTING

REV: FEB 2014 DWG No: L17

ARCHITECT CONSULTANT CONSULTANT CONSULTANT

PROJECT / LOCATION **168 - 174 MURRAY STREET**

ADDITION

168 – 174 MURRAY STREET OTTAWA, ONTARIO

PROJECT NO.

DETAILS

22-1682

ADDITIONAL NOTES FOR NUMBER 5: PRECAST PAVERS IN PEDESTRIAN AREAS WHERE NORMAL SNOW REMOVALS ARE DONE IS TO RECEIVE A MINIMUM 200mm GRANULAR 'A'. FURTHER ADJUSTMENTS TO BE SPECIFIED IN RELATION TO SITE CONDITIONS AND GEOTECHNICAL RECOMMENDATIONS.

