

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.

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

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.

> Ntv H - Native species, horticultural variety Mix - Mixed: minimum 50% native Non N - Introduced, non-invasive species

EXISTING BUILDING TO REMAIN SOIL VOLUME AREA = 26.5 sqSOIL VOLUME AREA = 31 sq m-

MURRAY STREET

SOIL VOLUME

AREA = 11 sq m

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

AREA = 11.2 sq m

				SOIL VO	LUME CHART:
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, la	arge shrub	s, and columna	r conifers	calculated using

	Plant List					
Origin	ID	Qty	Botanical Name	Common Name	Sched. Size	Remarks
		5	TREES			
Ntv H	AcB	1	Amelanchier canadensis 'Ballerina'	Ballerina Serviceberry (tree form)	40mm caliper	WB, Stake
Ntv	BpC	1	Betula papyrifera	Paper Birch Clump	40mm caliper	WB, Stake
Ntv H	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, Staked
		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	SjS	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	5	0.45m o.c.

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

PvA - Purple Coneflower, Sea Thrift, Black-eyed Susan, Daylilies
PvB - Irish Moss, Barren Strawberry, Prairie Everlasting
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 / VERIFIE PAR A. Ahmed / M. Ruhland M. Ruhland SCALE / ECHELLE DRAWN BY / DESSINE PAR T. Frost / V. Odusanya



CONSULTANT

CONSULTANT

PROJECT / LOCATION

ARCHITECT

CONSULTANT

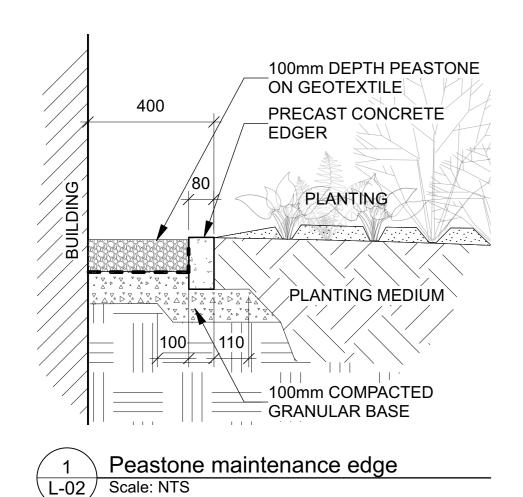
168 - 174 MURRAY STREET ADDITION

168 – 174 MURRAY STREET OTTAWA, ONTARIO

LANDSCAPE / PLANTING **PLAN**

PROJECT NO.

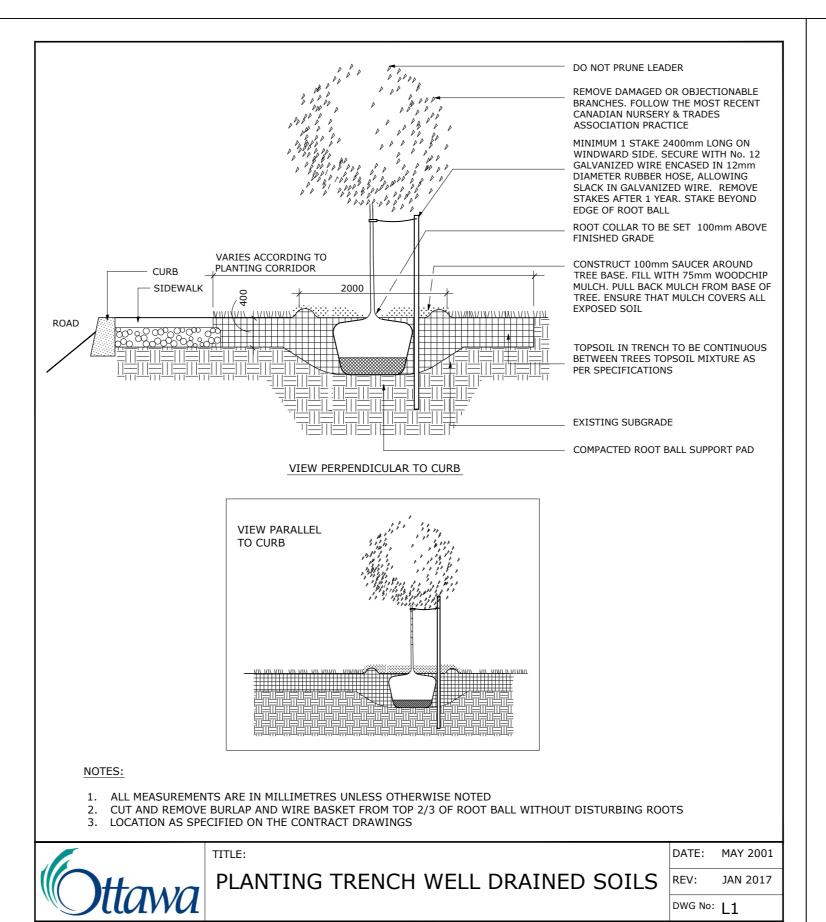
22-1682



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 MEDÍUM 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



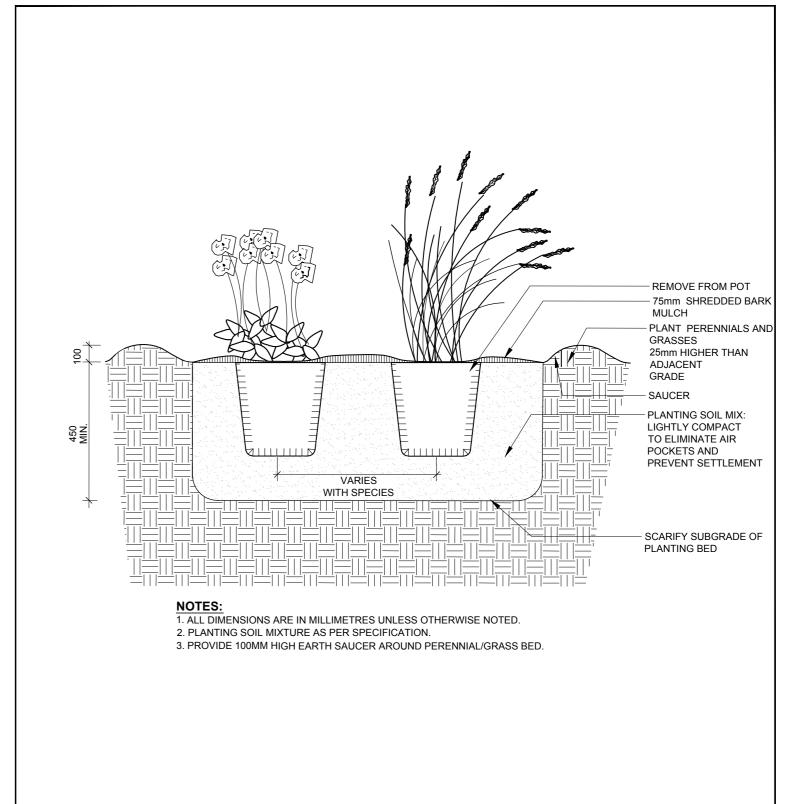
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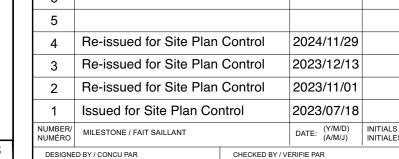
BRUSH CLEAN POLYMERIC JOINT SAND INTO JOINTS

UNLESS MANUFACTURER DOES NOT RECOMMEND IT

UNDISTURBED OR THOROUGHLY COMPACTED SUBGRADE







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DRAWN BY / DESSINE PAR

PERENNIAL AND ORNAMENTAL GRASS PLANTING

DATE: JAN 2015 DWG No: L21

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 TOP 3/3 OF ROOT BALL

REV: FEB 2014

DWG No: L17

ARCHITECT

CONSULTANT CONSULTANT

PROJECT / LOCATION

168 - 174 MURRAY STREET ADDITION

168 – 174 MURRAY STREET

OTTAWA, ONTARIO

PROJECT NO.

22-1682

DETAILS

SHEET NO.

1. PLANTING SOIL MIXTURE AS PER SPECIFICATION. HOLE WITH SOIL MIX BACKFILLED CAREFULLY TO PREVENT ROOT DAMAGE 3. PROVIDE 100 HIGH EARTH SAUCER AROUND SHRUB BED

THE SETTLING OF THE JOINT SAND

RECOMMENDED BY GEOTECHNICAL INVESTIGATION

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

UNIT PAVERS

COARSE SAND

(SEE NOTE 5)

25mm LEVELLING BED OF

GRANULAR 'A' (THICKNESS

AS SPECIFIED) COMPACTED

TO 95% PROCTOR DENSITY

UNIT PAVING - ON GRANULAR BASE

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

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 RECOMMENDATIONS.

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.)

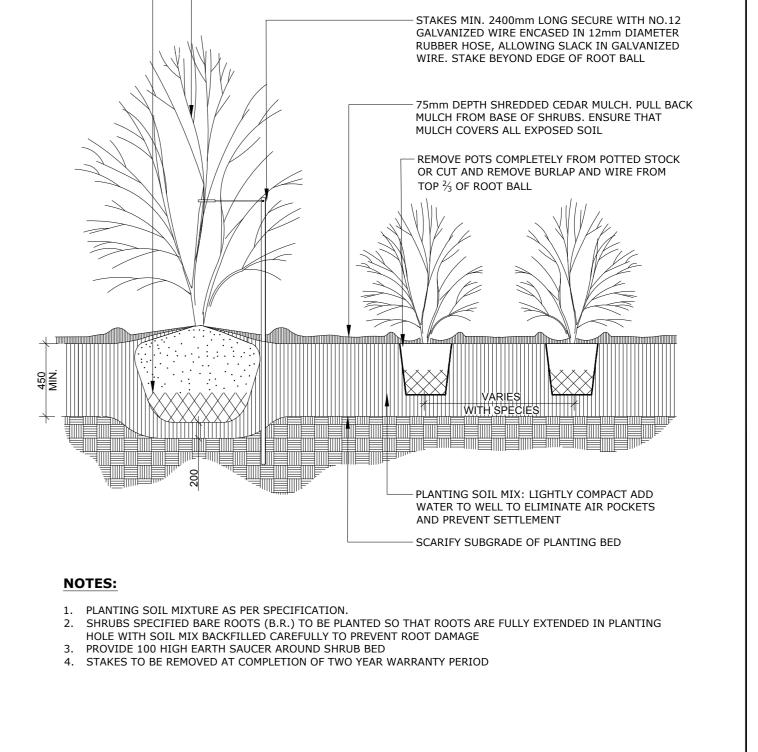
3. UNIT PAVERS ARE THEN PLACED ON TOP OF THE LEVELING COURSE AND ADDITIONAL SAND SWEPT BETWEEN

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

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

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.



CONTINUOUS SHRUB BED PLANTING