MURRAY STREET =RAISED PLANTING BED-RAISED PLANTING BED IN RIGHT OF WAY CONCRETE SIDEWALK 1-CcgC IN RIGHT OF WAY-1-AcB 40-PvA PAVERS 3-SjS -20.47 2-PoTW 12-PvA 4-SbT WATER METE CONNECTION 3-SbT SIAMESE 15-PvA 12-PvB EXISTING BUILDING TO REMAIN (INTERIOR LAYOUT CHANGE) **EXISTING BUILDING** TO REMAIN (INTERIOR LAYOUT CHANGE) **NEW RETAINING WALL -LEGEND** SEE CIVIL 8-PvA PROPERTY LINE PROPOSED BIOSWALE ► PROPOSED BIOSWALE PEASTONE MAINTENANCE STRIP CONCRETE PAVEMENT. **PATHWAY** BUILDING PROPOSED 4 STOREY 4-HqA 10-PvC STEPPING STONE 45-PvE 3-HaA PATHWAY | **2-SbT** — **25-PvE** -NEW RETAINING WALL - SEE CIVIL 25-PvD 2-Cs 6-HaA 1-0v TPROPOSED BIOSWALE 1-Cal 1-BpC N58°48 00"E 3-DI 1-MsRS 1-Hvi 1-Cal 10-PvC 6-PvE HARD SURFACE AMENITIES AREA -RETAINING WALL; REFER 9-PvE SEATING, BBQ ETC.— TO CIVIL DRAWINGS 1 Landscape Planting Plan L-01 Scale: 1:100

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.

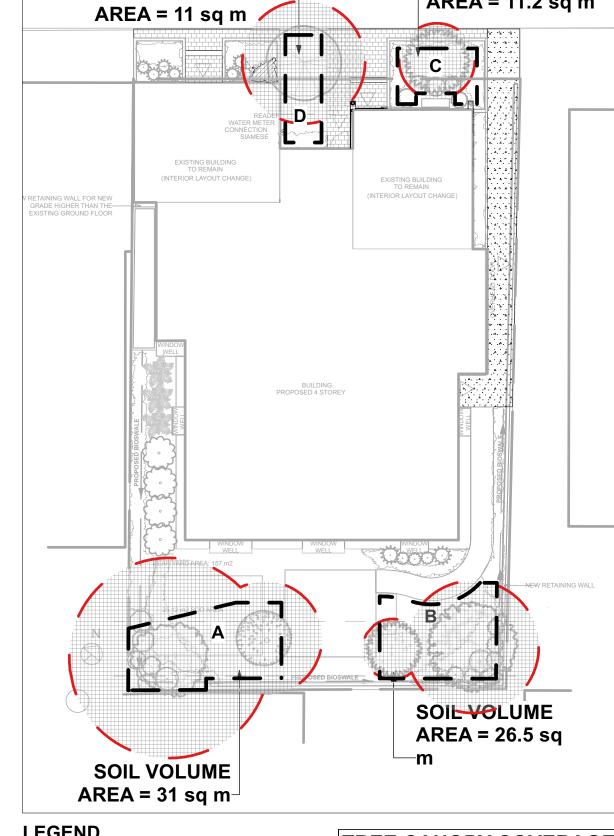
PROPOSED RETAINING WALL

PEASTONE MAINTENANCE EDGE C.I.P. CONCRETE PATH

PRECAST CONCRETE PAVERS TYP.1 PRECAST CONCRETE PAVERS TYP.2

STEPPING STONE PATH

PROPOSED SOD PROPOSED PERENNIALS



MURRAY STREET

SOIL VOLUME

LEGEND					
A	SOIL VOLUME AREA AND IDENTIFIER				
	TREE CANOPY AREA				

TREE CANOPY COVERAGE			
TOTAL CANOPY AREA	194	ڌ2	
TOTAL SITE AREA	654	mź	
PERCENT COVERAGE	30%		

SOIL VOLUME

AREA = 11.2 sq m

				SOIL VO	LUME CHART:	
Soil Volum	e Area, Tree Quantity and Size	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 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

	Plan	t Li	st			
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, Staked
Ntv	ВрС	1	Betula papyrifera	Paper Birch Clump	40mm caliper	WB, Staked
Ntv H	CcgC	1	Crataegus crus-galli inermis 'Cruzam'	Thornless Crusader Cockspur Hawthorn	45mm caliper	WB, Staked
Non N	MsRS	1	Magnolia stellata 'Royal Star'	Royal Star Magnolia	45mm caliper	WB, Staked
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, Staked
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	\$	0.45m o.c.
∕lix - M	ative Native sp ixed: min	imum 🤅	horticultural variety 50% native processors PvB - Irish Moss PvC - Daylilies, PvD - Hosta var	ties: neflower, Sea Thrift, Black-eyed Susan, Daylilies s, Barren Strawberry, Prairie Everlasting Russian Sage, Purple Coneflower, White Blazing Star ieties, Margaret Wilson Geranium, Wild Blue Phlox, Rodge er Yellow Loosestrife, Cardinal Flower, Rodgersia, Blue Fla	ersia, Ferns g Iris	



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 INITIALES

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



ARCHITECT CONSULTANT CONSULTANT CONSULTANT

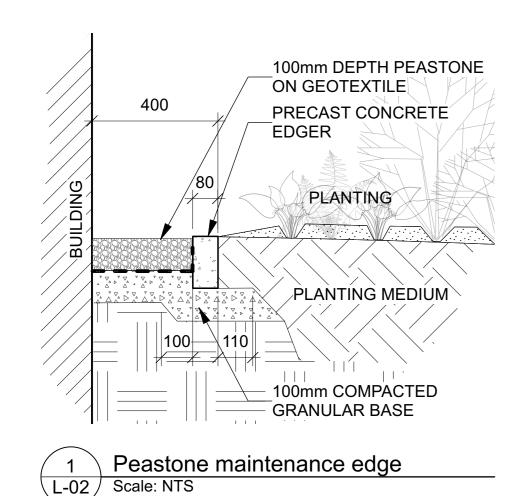
PROJECT / LOCATION

168 - 174 MURRAY STREET ADDITION

168 – 174 MURRAY STREET OTTAWA, ONTARIO

LANDSCAPE / PLANTING **PLAN**

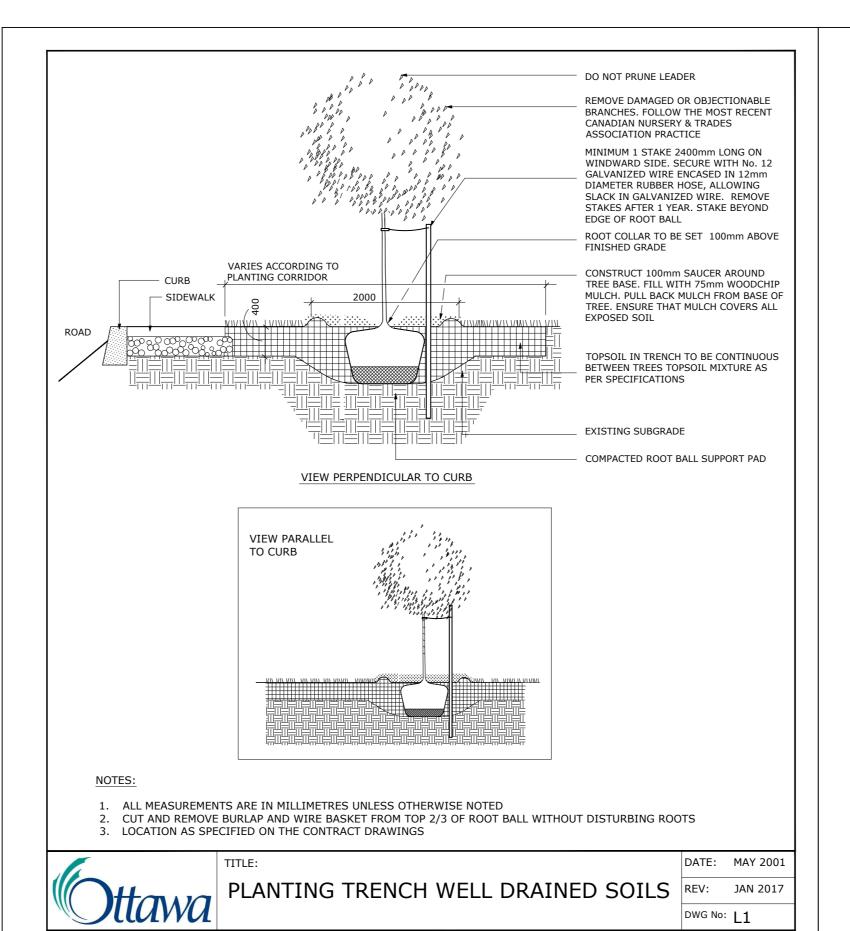
PROJECT NO. 22-1682



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.

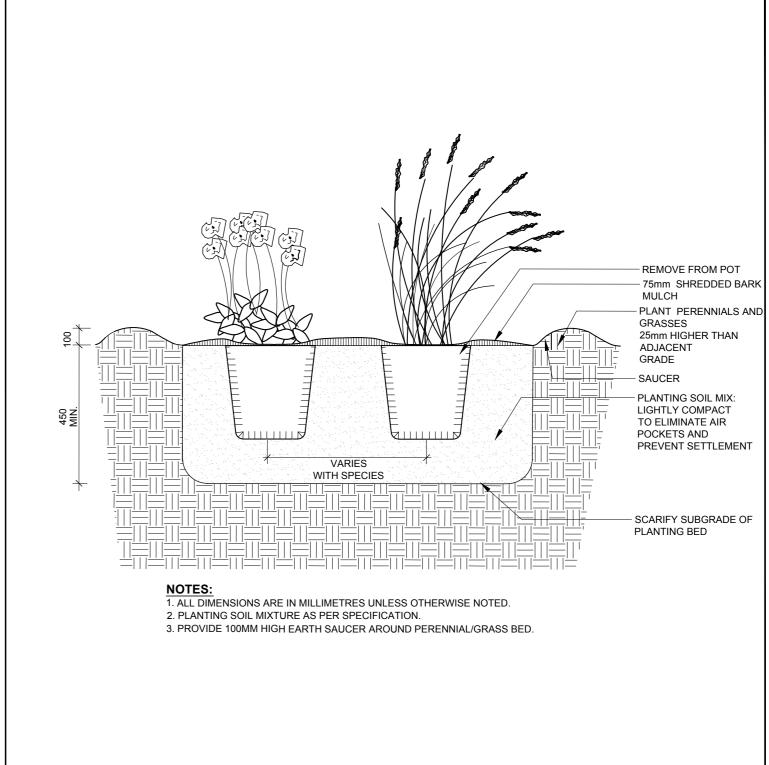
WHERE EXISTING MATERIAL BELOW THE SPECIFIED TOPSOIL IS NOT CONDUCIVE TO TREE GROWTH, AN ADDITIONAL LAYER OF PLANTING MEDIUM IS TO BE INSTALLED BELOW SPECIFIED TOPSOIL DEPTH TO OBTAIN THE SOIL VOLUME DEPTH REQUIRED.

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



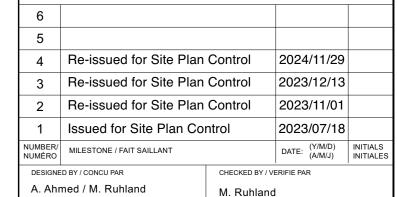
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SCALE / ECHELLE

CONSULTANT

DRAWN BY / DESSINE PAR

T. Frost / V. Odusanya



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 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

ARCHITECT

CONSULTANT CONSULTANT

PROJECT / LOCATION

168 - 174 MURRAY STREET ADDITION

168 – 174 MURRAY STREET

OTTAWA, ONTARIO

DETAILS

PROJECT NO. 22-1682

BRUSH CLEAN POLYMERIC JOINT SAND INTO JOINTS UNIT PAVERS UNLESS MANUFACTURER DOES NOT RECOMMEND IT 25mm LEVELLING BED OF COARSE SAND GRANULAR 'A' (THICKNESS AS SPECIFIED) COMPACTED TO 95% PROCTOR DENSITY (SEE NOTE 5) UNDISTURBED OR THOROUGHLY COMPACTED SUBGRADE 1. THE LEVELING 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 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
- THE SETTLING OF THE JOINT SAND 5. GRANULAR 'A' DEPTH TO BE 100mm FOR PEDESTRIAN AREAS AND 150mm FOR VEHICULAR ACCESSES. OR AS
- RECOMMENDED BY GEOTECHNICAL INVESTIGATION
- 6. USE OF THIS DETAIL REQUIRES THE PRIOR APPROVAL OF THE GENERAL MANAGER



UNIT PAVING - ON GRANULAR BASE

REV: FEB 2016 DWG No: SC9

DATE: MAY 2001

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.

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.

1. PLANTING SOIL MIXTURE AS PER SPECIFICATION.

3. PROVIDE 100 HIGH EARTH SAUCER AROUND SHRUB BED

HOLE WITH SOIL MIX BACKFILLED CAREFULLY TO PREVENT ROOT DAMAGE

4. STAKES TO BE REMOVED AT COMPLETION OF TWO YEAR WARRANTY PERIOD

CONTINUOUS SHRUB BED PLANTING

2. SHRUBS SPECIFIED BARE ROOTS (B.R.) TO BE PLANTED SO THAT ROOTS ARE FULLY EXTENDED IN PLANTING

AND PREVENT SETTLEMENT

- PLANTING SOIL MIX: LIGHTLY COMPACT ADD

SCARIFY SUBGRADE OF PLANTING BED

WATER TO WELL TO ELIMINATE AIR POCKETS

REV: FEB 2014 DWG No: L17