

#### **LEGEND**

—— - - PROPERTY LINE

RETAINED EXISTING BUILDING

PROPOSED RETAINING WALL

PEASTONE MAINTENANCE EDGE 

C.I.P. CONCRETE PATH

PRECAST CONCRETE PAVERS TYP.1

PRECAST CONCRETE PAVERS TYP.2

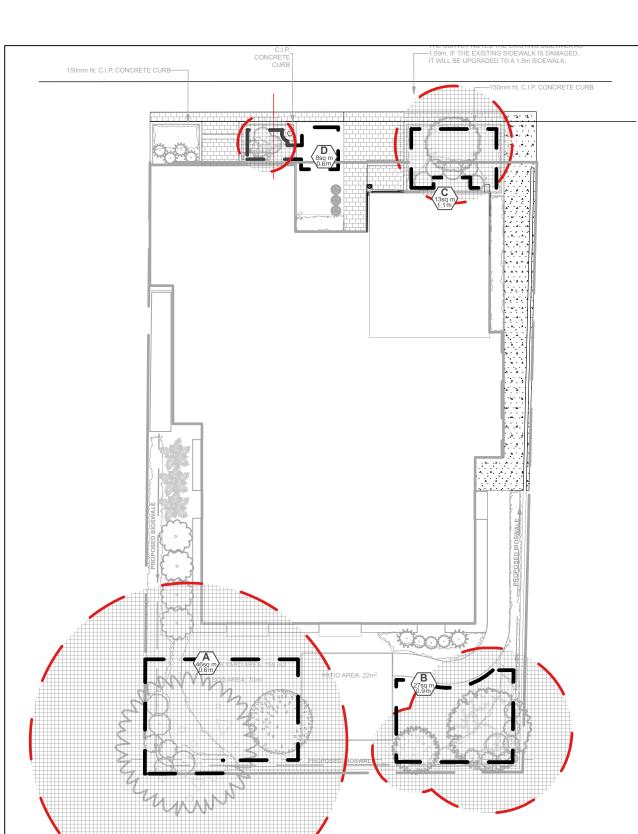
STEPPING STONE PATH

PROPOSED SOD

PROPOSED PERENNIALS

1 1 1 1 1 1	LARGE TREES Gymnocladus dioicus MEDIUM TREES Ostrya virginiana ORNAMENTAL TREES Hamamelis virginiana Magnolia stellata 'Royal Star' Malus x `Harvest Gold` SMALL ORNAMENTAL TREES*	Kentucky Coffee Tree  Ironwood  Virginia Witch Hazel Royal Star Magnolia Harvest Gold Crabapple	70mm caliper 50mm caliper 50mm caliper 45mm caliper 50mm caliper	WB, Staked WB, Staked WB, Staked WB, Staked WB, Staked	
1 1 1 1 1	Gymnocladus dioicus  MEDIUM TREES Ostrya virginiana ORNAMENTAL TREES Hamamelis virginiana Magnolia stellata 'Royal Star' Malus x `Harvest Gold` SMALL ORNAMENTAL TREES*	Ironwood  Virginia Witch Hazel Royal Star Magnolia	50mm caliper 50mm caliper 45mm caliper	WB, Staked	
1 1 1 1	MEDIUM TREES Ostrya virginiana ORNAMENTAL TREES Hamamelis virginiana Magnolia stellata 'Royal Star' Malus x `Harvest Gold` SMALL ORNAMENTAL TREES*	Ironwood  Virginia Witch Hazel Royal Star Magnolia	50mm caliper 50mm caliper 45mm caliper	WB, Staked	
1	Ostrya virginiana ORNAMENTAL TREES Hamamelis virginiana Magnolia stellata 'Royal Star' Malus x `Harvest Gold` SMALL ORNAMENTAL TREES*	Virginia Witch Hazel Royal Star Magnolia	50mm caliper 45mm caliper	WB, Stake	
1	ORNAMENTAL TREES Hamamelis virginiana Magnolia stellata 'Royal Star' Malus x `Harvest Gold` SMALL ORNAMENTAL TREES*	Virginia Witch Hazel Royal Star Magnolia	50mm caliper 45mm caliper	WB, Stake	
1	Hamamelis virginiana Magnolia stellata 'Royal Star' Malus x `Harvest Gold` SMALL ORNAMENTAL TREES*	Royal Star Magnolia	45mm caliper	WB, Stake	
1	Magnolia stellata 'Royal Star' Malus x `Harvest Gold` SMALL ORNAMENTAL TREES*	Royal Star Magnolia	45mm caliper	WB, Stake	
1	Malus x `Harvest Gold` SMALL ORNAMENTAL TREES*			· · · · · · · · · · · · · · · · · · ·	
1	SMALL ORNAMENTAL TREES*	Harvest Gold Crabapple	50mm caliper	WB Stake	
1		• •			
1 37	Retula nigra 'Little King'				
37	Botala riigia Ettilo rtiilig	Fox Valley River Birch	150cm ht	WB Staked	
51	SHRUBS				
2	Clethra alnifolia	Summersweet Clethra	50cm ht		
2	Cornus sericea (stolonifera)	Red Twigged Dogwood	50cm ht		
3	Diervilla lionicera	Dwarf Bush Honeysuckle	50cm ht.		
9	Hydrangea arborescens 'Annabelle'	Annabelle Hydrangea	2 gallon pot		
4	Hydrangea quercifolia 'Amethyst'	Amethyst Oakleaf Hydrangea	2 gallon pot	1.2m o.c.	
3	Juniperus virginiana 'Skyrocket'	Skyrocket Juniper	150cm ht	Potted	
2	Physocarpus opulifolius 'Tiny Wine'	Tiny Wine Ninebark	50cm ht.		
9	Spiraea betulifolia 'Tor'	Tor Birchleaf Spirea	50cm ht		
3	Spiraea japonica 'Shirobana'	Shirobana Spirea	3 gallon pot		
231	PERENNIALS				
3	Matteuccia pennsylvanica	Ostrich Fern	2 gallon pot		
85	Perennial varieties A	Flowering perennials sun/part shade for roadside		0.5m o.c	
13	Perennial varieties B	Groundcovers for light foot-traffic		0.3m o.c	
20	Perennial varieties C	Flowering perennials sun/part shade		0.6m o.c	
25	Perennial varieties D	Flowering perennials shade/part shade		0.5m o.c	
85	Perennial varieties E	Flowering perennials shade/part shade moist areas	5	0.45m o.c.	
	3 9 4 3 2 9 3 231 3 85 13 20 25 85	3 Diervilla lionicera 9 Hydrangea arborescens 'Annabelle' 4 Hydrangea quercifolia 'Amethyst' 3 Juniperus virginiana 'Skyrocket' 2 Physocarpus opulifolius 'Tiny Wine' 9 Spiraea betulifolia 'Tor' 3 Spiraea japonica 'Shirobana' 231 PERENNIALS 3 Matteuccia pennsylvanica 85 Perennial varieties A 13 Perennial varieties B 20 Perennial varieties B 20 Perennial varieties C 25 Perennial varieties C 25 Perennial varieties E  Perennial varieties E  Perennial varieties: PVA - Purple Coneflow PVB - Irish Moss (Non PVC - Daylilies (Non Non PVC - Daylilies	Diervilla lionicera  Dwarf Bush Honeysuckle  Hydrangea arborescens 'Annabelle'  Annabelle Hydrangea  Amethyst Oakleaf Hydrangea  Juniperus virginiana 'Skyrocket'  Physocarpus opulifolius 'Tiny Wine'  Spiraea betulifolia 'Tor'  Spiraea betulifolia 'Tor'  Spiraea japonica 'Shirobana'  Spiraea japonica 'Shirobana'  Spiraea japonica 'Shirobana'  Spiraea japonica 'Shirobana'  Shirobana Spirae  Matteuccia pennsylvanica  Ostrich Fern  Flowering perennials sun/part shade for roadside  Perennial varieties B  Groundcovers for light foot-traffic  Perennial varieties C  Flowering perennials sun/part shade  Flowering perennials sun/part shade  Flowering perennials sun/part shade  Flowering perennials shade/part shade  Flowering perennials shade/part shade  Flowering perennials shade/part shade  Flowering perennials shade/part shade moist areas  Flowering perennials shade/part shade moist areas	Diervilla lionicera  Dwarf Bush Honeysuckle  Hydrangea arborescens 'Annabelle'  Annabelle Hydrangea  2 gallon pot  Amethyst Oakleaf Hydrangea  2 gallon pot  Amethyst Oakleaf Hydrangea  2 gallon pot  Amethyst Oakleaf Hydrangea  2 gallon pot  Skyrocket'  Skyrocket Juniper  150cm ht  Tiny Wine Ninebark  Dom ht  Spiraea betulifolia 'Tor'  Tor Birchleaf Spirea  Spiraea japonica 'Shirobana'  Shirobana Spirea  3 gallon pot  PERENNIALS  Matteuccia pennsylvanica  Ostrich Fern  Spiraenial varieties A  Flowering perennials sun/part shade for roadside  Perennial varieties B  Groundcovers for light foot-traffic  Perennial varieties C  Flowering perennials sun/part shade  Flowering perennials shade/part shade moist areas  Perennial varieties:  FvA - Purple Coneflower (Ntv), Sea Thrift (Ntv), Black-eyed Susan (Ntv), Daylilies (Non N)  PvB - Irish Moss (Non N), Barren Strawberry (Ntv), Prairie Everlasting (Ntv)	

MHG and BnFV between building and Murray street are on City property and will be City owned.



NOTE:

THIS PLAN IS ISSUED FOR SITE PLAN

**EXISTING TREES TO BE PRESERVED** 

**SERVICING INFORMATION SHOWN AS** 

REFERENCE ONLY. REFER TO CIVIL

CONTROL SUBMISSION ONLY.

ADDITIONAL DETAILING AND **SPECIFICATIONS ARE REQUIRED** 

PRIOR TO TENDERING OR

THIS PLAN TO BE READ IN

CONJUNCTION WITH TCR BY **DENDRON FORESTRY SERVICES.** 

AND PROTECTED AS PER TCR.

CONSTRUCTION.

DRAWINGS.

#### **SOIL VOLUME CHART:**

Soil Volume Area, Tree Quantity and Size	Tree Qty	OTTAWA Target Soil Volume (m³)	Design Soil Volume (m3)	Soil Adequac y %	Tree Ownership	Contractor soil volume provision
AREA A - 1 large tree, 1 ornamental tre	ee					
plant bed (46 sq m x 0.6 ave metre deep)	2	27.0	27.6	102%	Private	See note
AREA B - 1 medium tree, 1 ornamenta	l tree					
plant bed (26.5 sq m x 0.9 ave metre deep	2	24.0	23.9	99%	Private	See note
AREA C - 1 ornamental tree						
plant bed (13 sq m x 1.1 ave metre deep)	1	15.0	14.3	95%	City	100%
AREA D - 1 small ornamental tree (8cr	n DB	H)*				
plant bed (8 sq m x 0.6 ave metre deep)	1	5.0	4.8	96%	City	100%

PvE - Firecracker Yellow Loosestrife (Ntv H), Cardinal Flower (Ntv), Rodgersia (Non N), Blue Flag Iris (Ntv)

\* Smaller columnar trees, 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

### PLANTING MEDIUM REQUIREMENTS FOR TREE PLANTING

SOIL VOLUME AREA

AND IDENTIFIER

MATURE TREE CANOPY AREA

### .1 AREAS A & B

**LEGEND** 

- ADDITIONAL PLANTING MEDIUM IS NOT REQUIRED WHERE EXISTING SOIL IS PRESENT IN OR ADJACENT TO THE PROPERTY WITHIN 1.5m. THIS DOES NOT INCLUDE TOPSOIL REQUIRED FOR SODDING.

- WHERE SUBSOIL BELOW THE INDICATED DEPTH OF PLANTING MEDIUM IS NOT CONDUCIVE TO PLANT GROWTH, REPLACE WITH APPROVED SUBSOIL TO A DEPTH OF

- IN DISTURBED AREAS OR WHERE EXISTING SOILS ARE REMOVED OR NOT CONDUCIVE TO PLANT GROWTH, PLACE PLANTING MEDIUM (TO DEPTH INDICATED ON SOIL VOLUME

#### BASE CONTRACT TO ASSUME SUBSOIL IS CONDUCIVE TO PLANT GROWTH.

#### .2 AREAS C & D:

- REPLACE ANY EXISTING MATERIALS, PROVIDING 100% PLANTING MEDIUM TO DEPTHS INDICATED IN SOIL VOLUME CHART. - WHERE SUBSOIL BELOW THE INDICATED DEPTH OF PLANTING MEDIUM IS NOT

CONDUCIVE TO PLANT GROWTH, REPLACE WITH APPROVED SUBSOIL TO A FURTHER BASE CONTRACT TO ASSUME SUBSOIL IS CONDUCIVE TO PLANT GROWTH.

# RA REDLINE ARCHITECTURE 337 Sunnyside Ave #101, Ottawa, ON K1S 0R9

### **Ruhland & Associates Ltd**

landscape architecture • urban design • site planning Ph 613-224-4744 Fx 613-224-1131

OTTAWA CARLETON CONSTRUCTION GROUP LTD.

37 Sunneyside Avenue, Suite 101 Ottawa, ON K1S OR9

CONSULTING ENGINEER: T.L. MAK ENGINEERING CONSULTANTS LTD. 1455 Youville Dr, Orléans, ON K1C 6Z7-

ANNIS, O'SULLIVAN, VOLLEBEKK LTD. - SURVEYOR

14 Concourse Gate Suite 500, Nepean, ON K2E 7S6 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 Owner.

.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 Architect.

.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.

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	8	Re-issued for Site Plan Control	2025-09-22	
	7	Re-issued for Site Plan Control	2025-07-24	
	6	Re-issued for Site Plan Control	2025-06-23	
	5	Re-issued for Site Plan Control	2025-04-08	
	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	

DESIGNED BY / CONCU PAR CHECKED BY / VERIFIE PAR M. Ruhland A. Ahmed / M. Ruhland

SCALE / ECHELLE



ARCHITECT

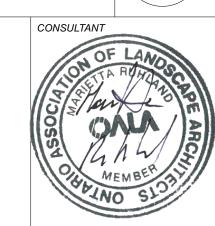
TREE CANOPY COVERAGE

654 m2

TOTAL CANOPY AREA

TOTAL SITE AREA PERCENT COVERAGE DRAWN BY / DESSINE PAR

T. Frost / V. Odusanya



ONSULTANT

### 168 - 174 MURRAY ST **ADDITION**

168 – 174 MURRAY STREET OTTAWA, ONTARIO

LOT 23, REGISTERED PLAN 42482, CITY OF OTTAWA

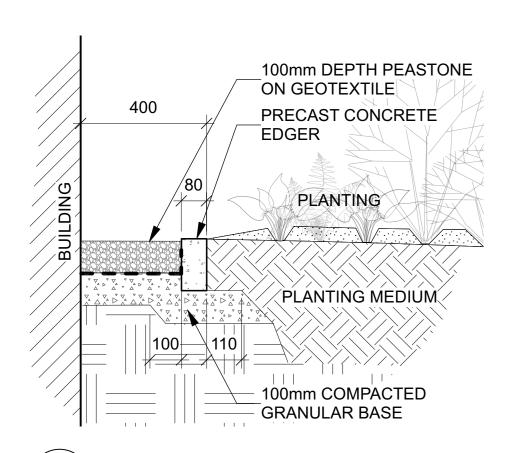
LANDSCAPE / PLANTING PLAN

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

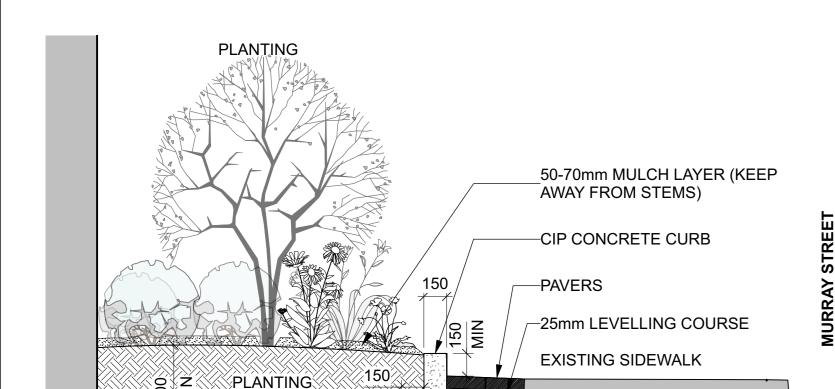


Peastone maintenance edge

**MEDIUM** 

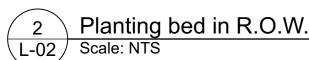
||EXISTING SUBGRADE

L-02 Scale: NTS

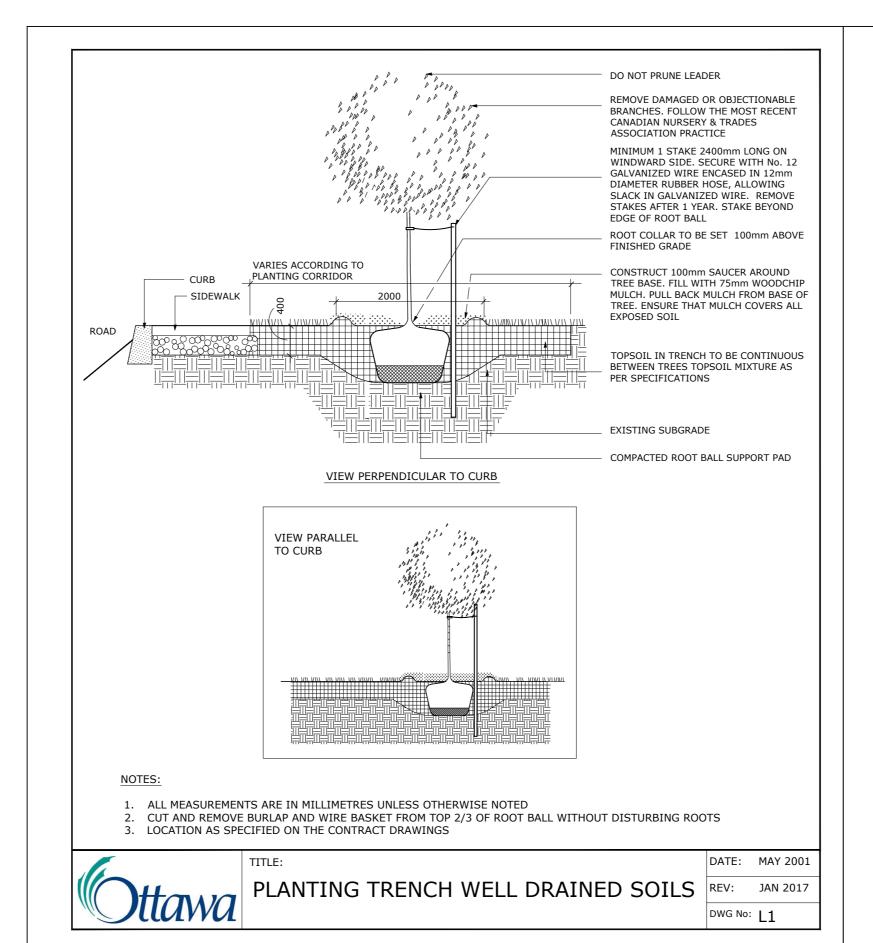


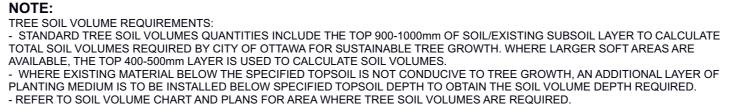
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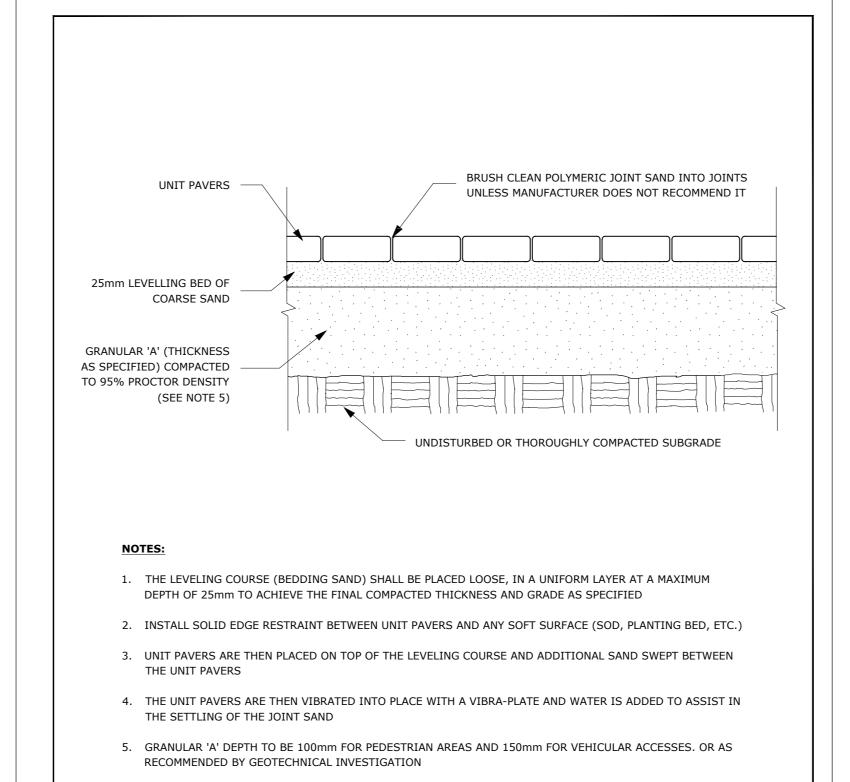
GRANULAR 'A'



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.







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.

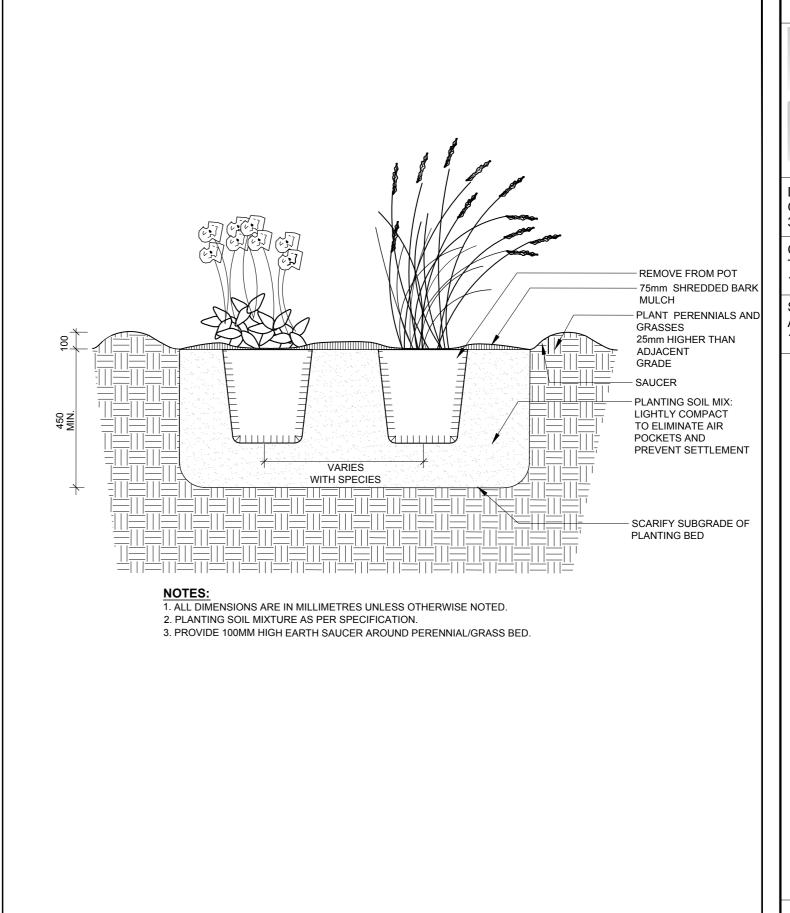
UNIT PAVING - ON GRANULAR BASE

DATE: MAY 2001

REV: FEB 2016

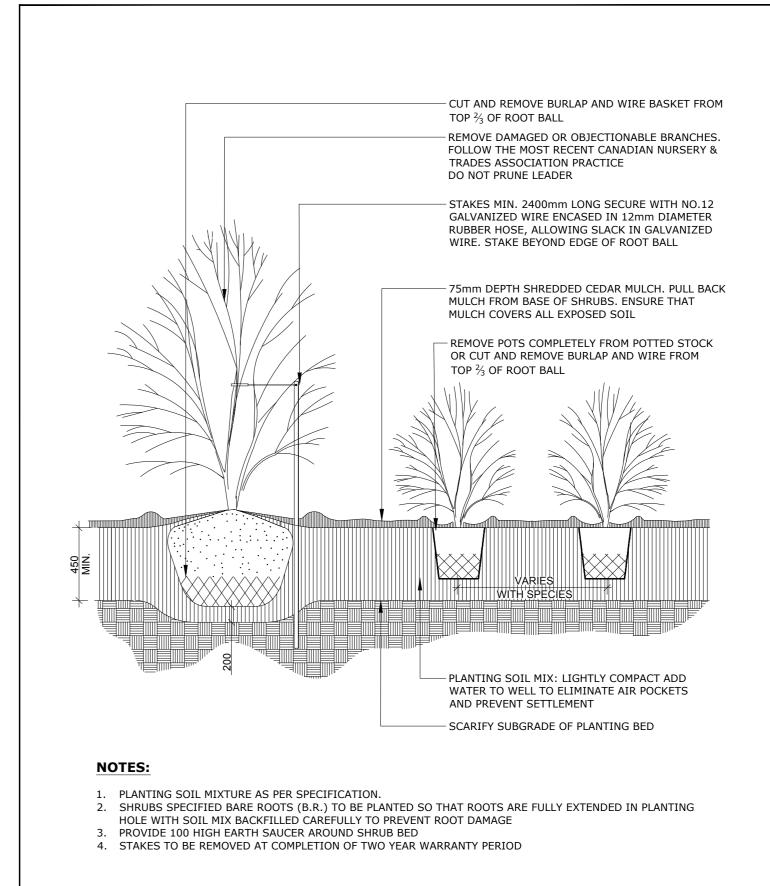
DWG No: SC9

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



PERENNIAL AND ORNAMENTAL

**GRASS PLANTING** 



CONTINUOUS SHRUB BED

PLANTING

RA REDLINE
ARCHITECTURE 337 Sunnyside Ave #101, Ottawa, ON K1S 0R9

## **Ruhland & Associates Ltd**

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Re-issued for Site Plan Control 2025-09-22 2025-07-24 Re-issued for Site Plan Control DATE: JAN 2015 Re-issued for Site Plan Control 2025-06-23 Re-issued for Site Plan Control 2025-04-08 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

DESIGNED BY / CONCU PAR CHECKED BY / VERIFIE PAR

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

ARCHITECT

DWG No: L21

CONSULTANT

CONSULTANT CONSULTANT

168 - 174 MURRAY ST **ADDITION** 

168 – 174 MURRAY STREET OTTAWA, ONTARIO

LOT 23, REGISTERED PLAN 42482, CITY OF OTTAWA

DRAWING

REV: FEB 2014

DWG No: L17

**DETAILS** 

PROJECT NO.

22-1682