

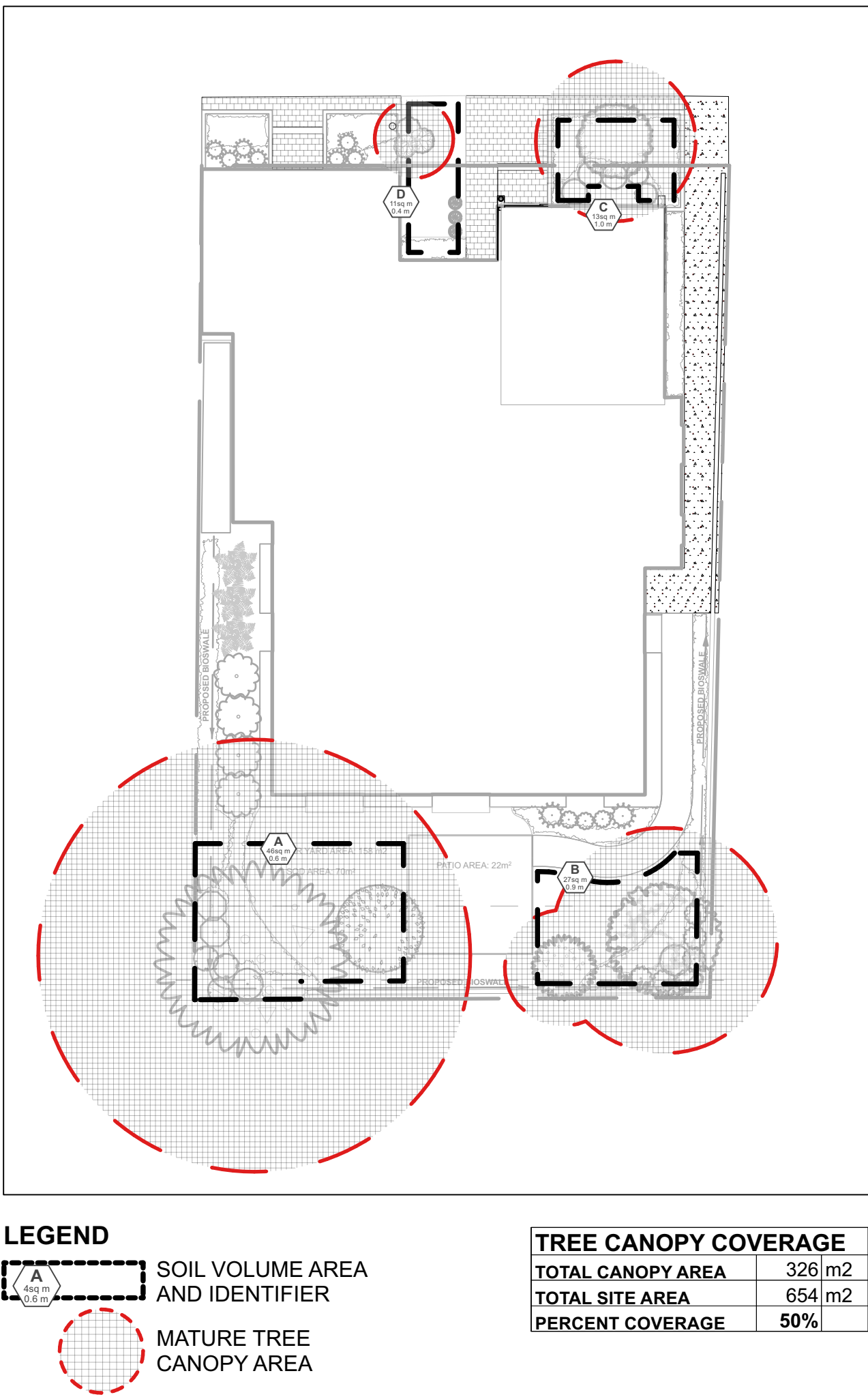
- LEGEND**
- PROPERTY LINE
 - PROPOSED BIOSWALE
 - RETAINED EXISTING BUILDING
 - PROPOSED RETAINING WALL
 - PEASTONE MAINTENANCE EDGE
 - C.I.P. CONCRETE PATH
 - PRECAST CONCRETE PAVERS TYP.1
 - PRECAST CONCRETE PAVERS TYP.2
 - STEPPING STONE PATH
 - PROPOSED SOD
 - PROPOSED PERENNIALS

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.



SOIL VOLUME CHART:

| Soil Volume Area, Tree Quantity and Size | Tree Quantity | OTTAWA Target Soil Volume (m³) | Design Soil Volume | Soil Adequacy percentage | Tree Ownership |
|--|---------------|--------------------------------|--------------------|--------------------------|----------------|
| AREA A - 1 large tree, 1 ornamental tree | | | | | |
| plant bed (46 sq m x 0.6 ave metre deep) | 2 | 27.0 | 27.6 | 102% | Private |
| AREA B - 1 medium tree, 1 ornamental tree | | | | | |
| plant bed (26.5 sq m x 0.9 ave metre deep) | 2 | 24.0 | 23.9 | 99% | Private |
| AREA C - 1 ornamental tree | | | | | |
| plant bed (13 sq m x 1 ave metre deep) | 1 | 15.0 | 13.0 | 87% | City |
| AREA D - 1 small ornamental tree (8cm DBH)* | | | | | |
| plant bed (11 sq m x 0.45 ave metre deep) | 1 | 5.0 | 5.0 | 99% | City |

* 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

| Plant List | | | | | |
|-------------------------|------|-----|-------------------------------------|---|-------------------------|
| Origin | ID | Qty | Botanical Name | Common Name | Sched. Size Remarks |
| LARGE TREES | | | | | |
| Ntv | Gd | 1 | Gymnocladus dioicus | Kentucky Coffee Tree | 70mm caliper WB, Staked |
| MEDIUM TREES | | | | | |
| Ntv | Ov | 1 | Ostrya virginiana | Ironwood | 50mm caliper WB, Staked |
| ORNAMENTAL TREES | | | | | |
| Ntv | Hvi | 1 | Hamamelis virginiana | Virginia Witch Hazel | 50mm caliper WB, Staked |
| Non N | MsRS | 1 | Magnolia stellata 'Royal Star' | Royal Star Magnolia | 45mm caliper WB, Staked |
| Non N | MHG | 1 | Malus x 'Harvest Gold' | Harvest Gold Crabapple | 50mm caliper WB, Staked |
| SMALL ORNAMENTAL TREES* | | | | | |
| Ntv H | BnFV | 1 | Betula nigra 'Little King' | Fox Valley River Birch | 150cm ht WB Staked |
| SHRUBS | | | | | |
| Ntv | Cal | 2 | Clethra alnifolia | Summersweet Clethra | 50cm ht |
| Ntv | Cs | 2 | Cornus sericea (stolonifera) | Red Twigg Dogwood | 50cm ht |
| Ntv | DI | 3 | Dierivilla lonicera | Dwarf Bush Honeysuckle | 50cm ht |
| 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 | JvSR | 3 | Juniperus virginiana 'Skyrocket' | Skyrocket Juniper | 150cm ht Potted |
| 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 |
| PERENNIALS | | | | | |
| Ntv | Mp | 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 | 11 | 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. |

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

Perennial varieties:
PvA - Purple Coneflower (Ntv), Sea Thrift (Ntv), Black-eyed Susan (Ntv), Daylilies (Non N)
PvB - Irish Moss (Non N), Barren Strawberry (Ntv), Prairie Everlasting (Ntv)
PvC - Daylilies (Non N), Russian Sage (Non N), Purple Coneflower (Ntv), White Blazing Star (Ntv)
PvD - Hosta varieties (Non N), Spotted Geranium (Ntv), Wild Blue Phlox (Ntv), Rodgersia (Non N), Ferns (Ntv)
PvE - Firecracker Yellow Loosestrife (Ntv H), Cardinal Flower (Ntv), Rodgersia (Non N), Blue Flag Iris (Ntv)

Note:
AcB and BnFV between building and Murray street are on City property and will be City owned.

GENERAL NOTES

- 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.
- 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.
- 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.
- Obtain approval of the Consultant(s) for granular base and layout of all pavement areas prior to construction.
- 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.
- Where clay is encountered proper drainage must be ensured in tree/shrub pits, prior to planting. Have method approved by Landscape Architect.
- Maintain positive surface runoff through the entire construction period.
- Reinstate all areas and items damaged as a result of construction activities.

| | | | |
|--|--|----------------------|----------|
| 6 | | | |
| 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 | |
| NUMBER (NUMBER) | DATE (Y/M/D) (A/M/J) | DATE (Y/M/D) (A/M/J) | INITIALS |
| DESIGNED BY / CONDU PAR A. Ahmed / M. Ruhland | CHECKED BY / VERIFIE PAR M. Ruhland | | |
| DRAWN BY / DESINE PAR T. Frost / V. Odusanya | SCALE / ECHELLE 1:100 | | |

ARCHITECT

CONSULTANT

ASSOCIATION OF LANDSCAPE ARCHITECTS ONTARIO

CONSULTANT

CONSULTANT

PROJECT / LOCATION

168 - 174 MURRAY STREET ADDITION

168 - 174 MURRAY STREET
OTTAWA, ONTARIO
LOT 23, REGISTERED PLAN 42482, CITY OF OTTAWA

DRAWING

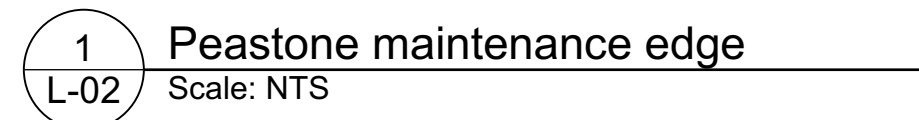
LANDSCAPE / PLANTING PLAN

SHEET NO.

PROJECT NO.

22-1682

L - 01



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



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



PLANTING TRENCH WELL DRAINED SOILS

DATE: MAY 2003

REV: JAN 2017

DWG No: L1

NOTE:

NOTE.
TREE SOIL VOLUME REQUIREMENTS

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 CONDUCTIVE 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.



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 SWEEPED 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 ACCESSES. OR AS RECOMMENDED BY GEOTECHNICAL INVESTIGATION
6. USE OF THIS DETAIL REQUIRES THE PRIOR APPROVAL OF THE GENERAL MANAGER



TITLE: UNIT PAVING - ON GRANULAR BASE

DATE: MAY 200

REV: FEB 2010

DWG No: SC9

NOTE:

NOTE: 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.



- 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.



TITLE: PERENNIAL AND ORNAMENTAL GRASS PLANTING

DATE: JAN 2015

REV:

DWG No: 121

| | |
|---|---|
| DESIGNED BY / CONÇU PAR A. Ahmed / M. Ruhland | CHECKED BY / VÉRIFIÉ PAR M. Ruhland |
| DRAWN BY / DESSINÉ PAR T. Frost / V. Oduşanya | SCALE / ÉCHELLE |

ARCHITECT

| |
|------------|
| CONSULTANT |
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CONSULTANT

| | |
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| CONSULTANT | |
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PROJECT / LOCATION

**168 - 174 MURRAY STREET
ADDITION**

168 – 174 MURRAY STREET
OTTAWA, ONTARIO
LOT 23, REGISTERED PLAN 42482, CITY OF OTTAWA

DRAWING

DETAILS

SHEET NO.

| | |
|-------------|---------|
| PROJECT NO. | 22-1682 |
|-------------|---------|

L - 02