

| Soil Volume Area, Tree Quantity and Size | Tree Quantity | OTTAWA Target Soil Volume (m ³) | Design Soil Volume | Soil Adequacy percentage |
|--|---------------|---|--------------------|--------------------------|
| AREA A - 3 Medium Trees, 8 Small Conifers | | | | |
| plant bed (95.8 sq m x 0.9 ave metre deep) | 11 | 65.2 | 86.2 | 132% |
| AREA B - 6 Small Conifers | | | | |
| plant bed (50 sq m x 0.45 ave metre deep) | 6 | 9.8 | 22.5 | 230% |
| AREA C - 1 Medium, 3 Small Trees | | | | |
| plant bed (46.1 sq m x 1.2 ave metre deep) | 4 | 63.0 | 55.3 | 88% |
| AREA D - 1 Medium tree | | | | |
| plant bed (20 sq m x 1.2 ave metre deep) | 1 | 30.0 | 24.0 | 80% |
| AREA E - 1 Medium, 1 Small Tree | | | | |
| plant bed (24.5 sq m x 1.2ave metre deep) | 2 | 33.0 | 29.4 | 89% |
| AREA F - 1 Ornamental Tree | | | | |
| plant bed (13.7 sq m x 1.2ave metre deep) | 1 | 20.0 | 16.4 | 82% |
| AREA G - 1 Columnar Tree | | | | |
| plant bed (14.2 sq m x 1.2ave metre deep) | 1 | 20.0 | 17.0 | 85% |
| AREA H - 1 Columnar Tree | | | | |
| plant bed (13.5 sq m x 1.2ave metre deep) | 1 | 20.0 | 16.2 | 81% |
| AREA I - 2 Orn, 1 Med. Trees, 11 Small Con. | | | | |
| plant bed (140.4 sq m x 0.4ave metre deep) | 14 | 57.4 | 56.2 | 98% |
| AREA J - 1 Small Ornamental Tree | | | | |
| plant bed (20 sq m x 0.4ave metre deep) | 1 | 6.0 | 8.0 | 133% |
| AREA K - 3 Medium Trees, 3 Conifers | | | | |
| plant bed (122 sq m x 0.4ave metre deep) | 6 | 58.2 | 48.8 | 84% |

* 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

NOTES:
AREAS WHERE SITE CONSTRAINTS (such as parking lot islands, adjacent hard surface areas):
0.9 TO 1.2 METRE DEPTH IMPORTED TOPSOIL (average depth of 1000mm).

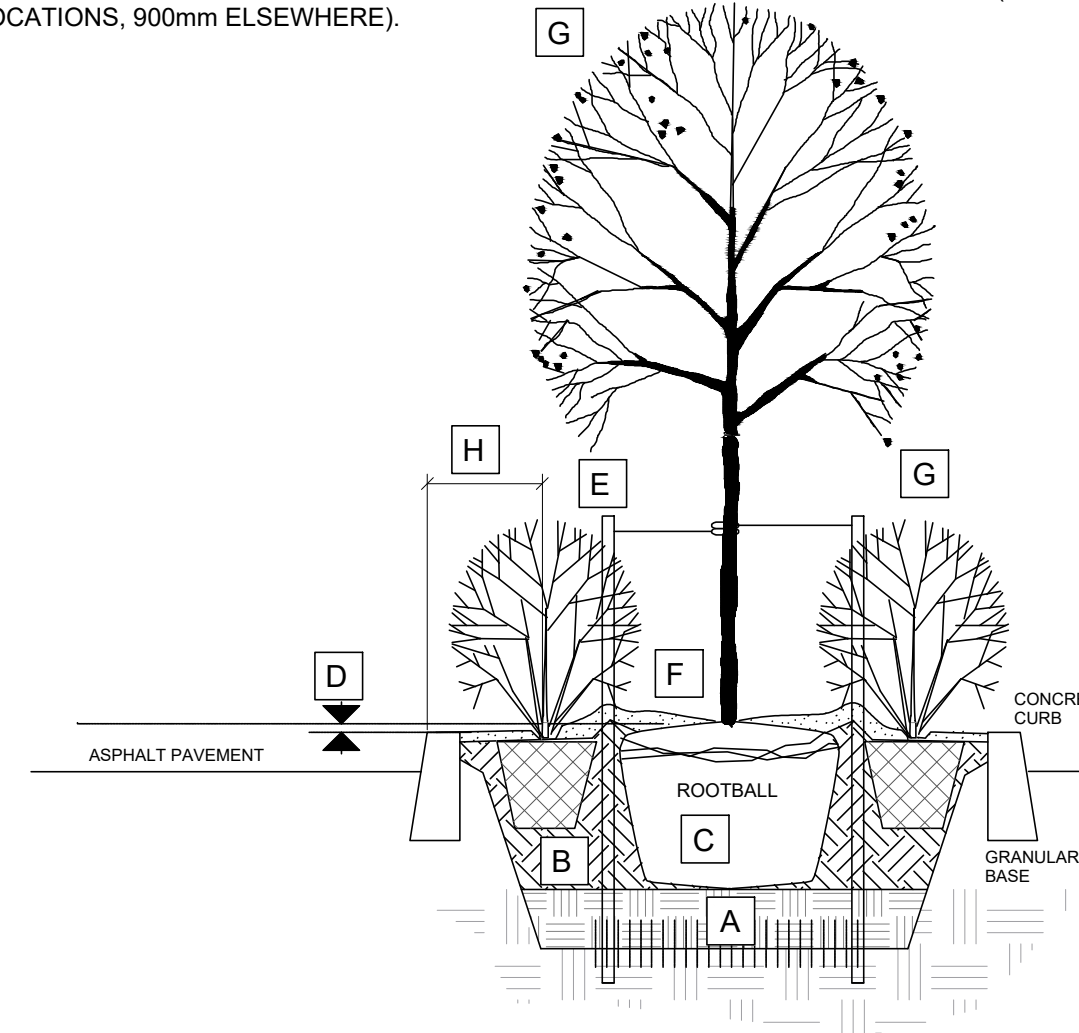
AREAS WITHIN OR ADJACENT TO LARGER SOFT LANDSCAPE AREAS (such as wide boulevards, lawns, etc):
0.4 METRE AVERAGE DEPTH OF IMPORTED TOPSOIL OVER APPROVED EXISTING SUBSOIL.
ADDITIONAL IMPORTED TOPSOIL OR APPROVED SUBSOIL TO BE ADDED WHERE SUBGRADE BELOW THE 400mm IMPORTED TOPSOIL IS NOT CONDUSIVE TO PLANT GROWTH.

TREE CANOPY COVERAGE
 TOTAL CANOPY AREA 1008 m²
 TOTAL SITE AREA 5619 m²
 PERCENT COVERAGE 17.94%

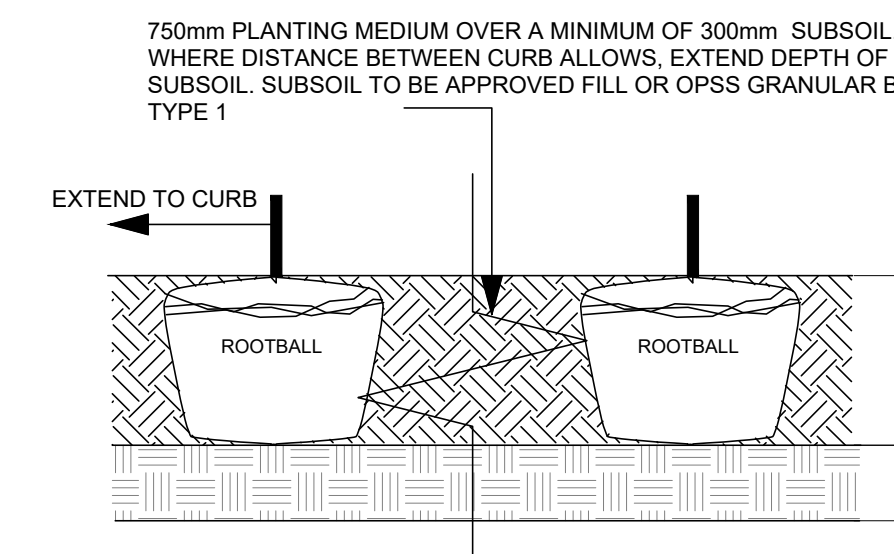
| Origin | Plant List ID | Qty | Botanical Name | Common Name | Mature Height | Scheduled Size | Remarks |
|------------------------|---------------|-----|--|--|---------------|----------------|--------------------|
| DECIDUOUS TREES | | | | | | | |
| Ntv | Ag | 1 | Aesculus glabra | Ohio Buckeye | 10-15m | 50mm caliper | WB, Staked |
| Ntv H. | AcB | 3 | Amelanchier canadensis 'Ballerina' | Ballerina Serviceberry (tree form) | >3 - 5m | 40mm caliper | WB, Staked |
| Ntv H. | CoPS | 2 | Celtis occidentalis 'Prairie Sentinel' | Prairie Sentinel Hackberry | 6-8m | 60mm caliper | WB, Staked |
| Ntv H. | CcgC | 3 | Crataegus crus-galli inermis 'Cruzam' | Thornless Crusader Cockspur Hawthorn | 6.5m | 45mm caliper | WB, Staked |
| Ntv H. | GtI | 5 | Gleditsia triacanthos var. inermis 'Impol' | Imperial Honeylocust | 12m | 70mm caliper | WB, Staked |
| Non Ntv | MHG | 3 | Malus x 'Harvest Gold' | Harvest Gold Crabapple | 6-7m | 50mm caliper | WB, Staked |
| Non Ntv | MR | 1 | Malus 'Rinki' | Rinki Crabapple | 5-6m | 35mm caliper | WB, Staked |
| Non Ntv | UF | 3 | Ulmus minor x parvifolia 'Frontier' | Frontier Elm | 8-10m | 60mm caliper | WB, Staked |
| CONIFERS | | | | | | | |
| Non Ntv | JsM | 16 | Juniperus scopulorum 'Medora' | Medora Juniper | 4m | 125cm ht | 150-175cm ht |
| Ntv H. | ToDG | 12 | Thuja occidentalis 'Degroot's Spire' | Degroot's Spire Arborvitae | 3-4m | 150 cm ht. | Potted |
| SHRUBS | | | | | | | |
| Ntv | Am | 35 | Aronia melanocarpa | Black Chokeberry | | 50 cm ht. | Bare root |
| Ntv | DI | 90 | Diervilla lonicera | Dwarf Bush-honeysuckle | | | 2 gallon pot |
| Ntv | Po | 5 | Physocarpus opulifolius | Ninebark | | 50cm ht. | Potted |
| Ntv H. | PFGD | 170 | Potentilla fruticosa 'Gold Drop' | Gold Drop Potentilla | | 2 gallon pot | Potted |
| Non Ntv | SjS | 80 | Spiraea japonica 'Shirobana' | Shirobana Spiraea | | 50cm ht | 0.9m o.c. |
| Non Ntv | SnHS | 40 | Spiraea nipponica 'Halward's Silver' | Halward's Silver Spiraea | | 50cm ht. | Potted, 0.9cm o.c. |
| PERENNIALS | | | | | | | |
| Mixed | PvA | 100 | Low to mid flowering Perennials | Ostrich Fern, Hosta varieties, Bigroot Geranium, Astilbe, Lamium | | 150mm pot | 50-60cm o.c. |
| Mixed | PvB | 190 | Mid to high Flowering Perennials | Coneflower, Daylily, Black Eyed Susan, Beebalm, Spiked Speedwell, Blanket Flower, Blazing Star | | 150mm pot | 60-70cm o.c. |
| Non Ntv | PvC | 120 | Calamagrostis acutifolia 'Karl Forester' | Karl Foerster Reed Grass | | 1 Gallon pot | 70cm o.c. |
| Ntv H. | PvD | 40 | Panicum virgatum 'Heavy Metal' | Heavy Metal Switch Grass | | 1 Gallon pot | 65cm o.c. |

Total proposed city owned trees are 3-AcB, 3-ToDS, 2-Po, 105-PvB and 30-PvA. The rest are private.
 Tree dimensions are taken from consensus of tree lists by Universities and Nurseries

- A SUBSOIL / SUBGRADE CULTIVATED LAYER
- B PLANTING MEDIUM
- C ROOTBALL / POT
- D TOP OF ROOT CROWN TO BE FLUSH WITH PLANTING SOIL
- E 2-METAL POSTS (40x 40x 2100 mm) PLACE AT OUTSIDE OF ROOTBALL AND FASTEN TO TRUNK WITH 3 mmØ GALVANIZED WIRE AND 25 mmØ 2 PLY REINFORCED HOSE (PARALLEL TO CURB).
- F 50-75 mm MULCH LAYER, KEEP MULCH AWAY FROM STEMS AND PROVIDE 100mm DEEP SAUCER.
- G PRUNE DAMAGE, DISEASED OR WEAK BRANCHES AS PER ACCEPTED HORTICULTURAL PRACTICE. DO NOT DAMAGE OR REMOVE LEADER
- H FIRST ROW OF SHRUBS TO BE PLANTED 600mm MINIMUM FROM FRONT OF CURB (AT TREE LOCATIONS, 900mm ELSEWHERE).



PLANTING IN MEDIAN



SECTION LENGTHWISE THROUGH MEDIAN

Bed Preparation

- 1 EXCAVATE OR PLACE FILL FOR PLANTING BED TO PROVIDE 750mm MINIMUM DEPTH OF PLANTING MEDIUM AND 300mm DEPTH SUBSOIL (CONTINUOUS BETWEEN TREES). CULTIVATE PLANTING SUBSOIL INTO SUBGRADE TO A DEPTH OF 150mm.
- 2 PLACE COMPACTED PLANTING MEDIUM ON SUBSOIL TO ACHIEVE FINAL GRADE.
- 3 CENTRE OF BED TO BE CROWNED ABOVE ADJACENT GRADE TO APPROVAL OF CONSULTANT.

OWNER:
TRIM WORKS DEVELOPMENT LTD.
 110 Place d'Orleans Drive
 Orleans, ON K1C 2L9

PLANNING CONSULTANT:
Q9 PLANNING + DESIGN
 C-43 Eccles Street
 OTTAWA, ON K1R 6S3

CIVIL ENGINEER:
LRL ENGINEERING
 5430 Canotek Road
 Ottawa, ON K1J 9G2

LANDSCAPE ARCHITECTS:
RUHLAND & ASSOCIATES LTD.
 200-1750 Courtwood Crescent
 Ottawa, ON K2C 2B5

TRAFFIC ENGINEERING
J.L.RICHARDS & ASSOCIATES LTD.
 1000-343 Preston Street
 Ottawa, ON K1J 1N4

| no. | issue / revision | date |
|-----|---------------------------------|------------|
| 7 | Issued for final review | 2024/10/18 |
| 6 | Re-issued for Site Plan Control | 2024/09/10 |
| 5 | Re-issued for Site Plan Control | 2024/07/25 |
| 4 | Re-issued for Site Plan Control | 2024/06/27 |
| 3 | Re-issued for Site Plan Control | 2024/01/18 |
| 2 | Issued for Site Plan Control | 2023/10/26 |
| 1 | Issued for Site Plan Control | 2023/10/16 |

North seal

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project
PLAZA TRIM WORKS DEVELOPMENT
 LEGAL DESCRIPTION:
 PART OF LOT 30 CONCESSION 1
 TOWNSHIP OF CUMBERLAND

| scale | drawn by | designed by |
|----------------|----------------|--|
| NTS | M. Malkov | R. Ruhland |
| date | checked by | plot date |
| Sep. 2023 | R. Ruhland | |
| project number | drawing number | |
| 23-1713 | L - 02 | |
| | | Canopy coverage Plan, Soil volume and Plant List |

Contractor to check and verify all dimensions on the job