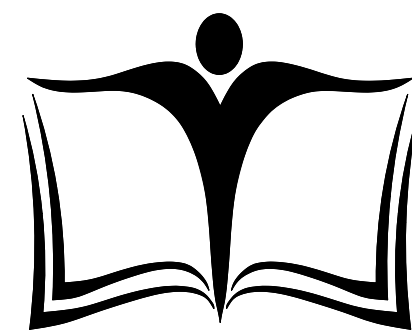
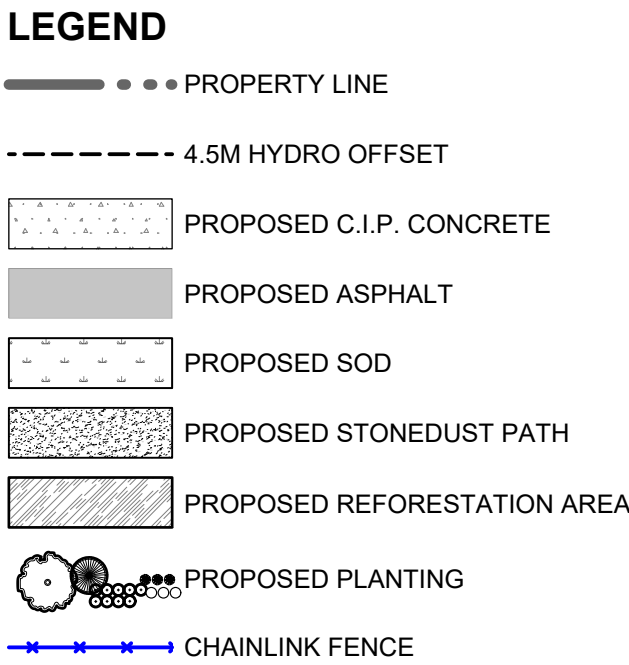
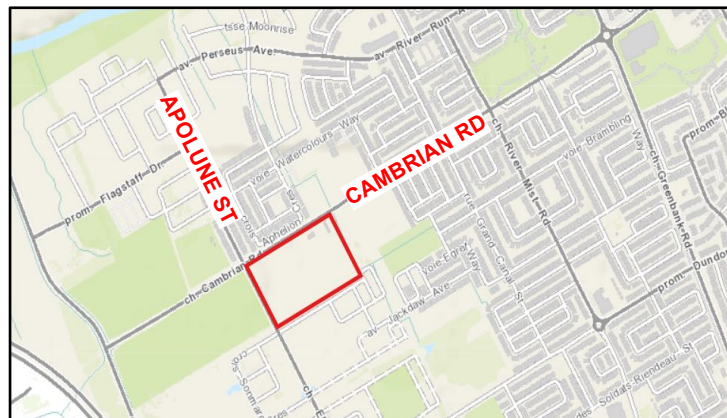




**OTTAWA - CARLETON**  
DISTRICT SCHOOL BOARD



**ARCHITECT:**  
**NAS ARCHITECTURE INC**  
71 BANK STREET, 7TH FLOOR  
OTTAWA, ONTARIO, K1P 5N2  
434.224.0095  
VLADIMIR@NAS4.CA

**LANDSCAPE ARCHITECT:**  
**RUHLAND & ASSOCIATES LTD.**  
200-1750 COURTMOND CRESCENT  
OTTAWA, ONTARIO, K2C 2B5  
613.224.4744  
MRUHLAND@RA.ICA.CA

**CIVIL ENGINEER:**  
**JPG CONSULTANTS INC.**  
1150 BRIMCOMB DRIVE SUITE 410  
OTTAWA, ONTARIO, K2G 8S9  
613.828.7800  
JAC@BAUMANN&JPG.COM

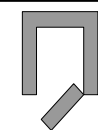
**MECHANICAL & ELECTRICAL**

**LAND SURVEYOR:**  
**FARLEY, SMITH & DENNIS**  
**SURVEYING LTD.**  
30 COLONADE ROAD, UNIT 275  
OTTAWA, ONTARIO, K1J 6J6  
613.727.8225  
[INFO@FSDSURVEYS.CA](mailto:INFO@FSDSURVEYS.CA)

**GEOTECHNICAL ENGINEER &  
ENVIRONMENTAL  
EPI SERVICES INC.**  
100-2650 QUEENSWAY DRIVE  
OTTAWA, ONTARIO K2B 8H6  
613.688-1800 WS242  
ISMAIL.TAK@EPI.CA

**TRAFFIC ENGINEER:**  
**NOVATECH**  
240 MICHAEL COMPTON DR. # 200  
OTTAWA, ONTARIO, K2V 1P6  
613.943.9433 X286  
[B.YEYLES@NOVATECH-ENG.COM](mailto:B.YEYLES@NOVATECH-ENG.COM)

|     |                           |            |
|-----|---------------------------|------------|
|     |                           |            |
|     |                           |            |
| 04  |                           |            |
| 03  |                           |            |
| 02  |                           |            |
| 01  | Issued for SPC Submission | 2026/07/24 |
| no. | revision                  | date       |

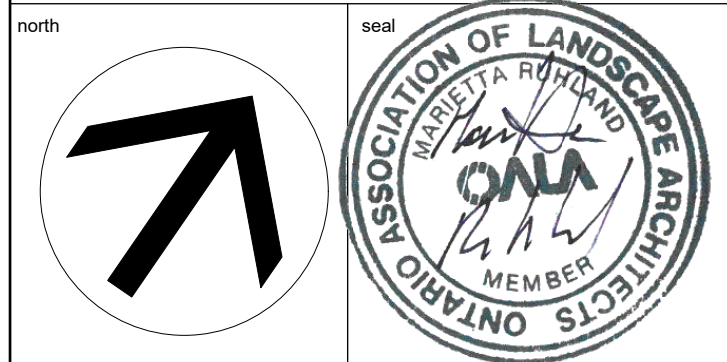


**N45 ARCHITECTURE INC.**

71 Bank Street, 7th Floor - Ottawa, Ontario, K1P 5N2  
tel. 613.224.0095 fax 613.224.9811

**HALF MOON BAY SECONDARY SCHOOL**

3853 CAMBRIAN ROAD  
OTTAWA, ONTARIO  
K2J 5P5



## LANDSCAPE / PLANTING PLAN

|                                                                                                                |                |          |
|----------------------------------------------------------------------------------------------------------------|----------------|----------|
| scale                                                                                                          | drawn by       | N.W      |
| date                                                                                                           | checked by     | M.R.     |
| project number                                                                                                 | drawing number | L - 01   |
| N45 26-923                                                                                                     |                |          |
| RA 26-1779                                                                                                     |                |          |
| CONTRACTOR TO VERIFY ALL DIMENSIONS AND<br>NOTIFY THE ARCHITECT OF ANY DISCREPANCIES<br>BEFORE WORK COMMENCES. |                | revision |
| DO NOT SCALE DRAWINGS                                                                                          |                |          |

# XXXXX

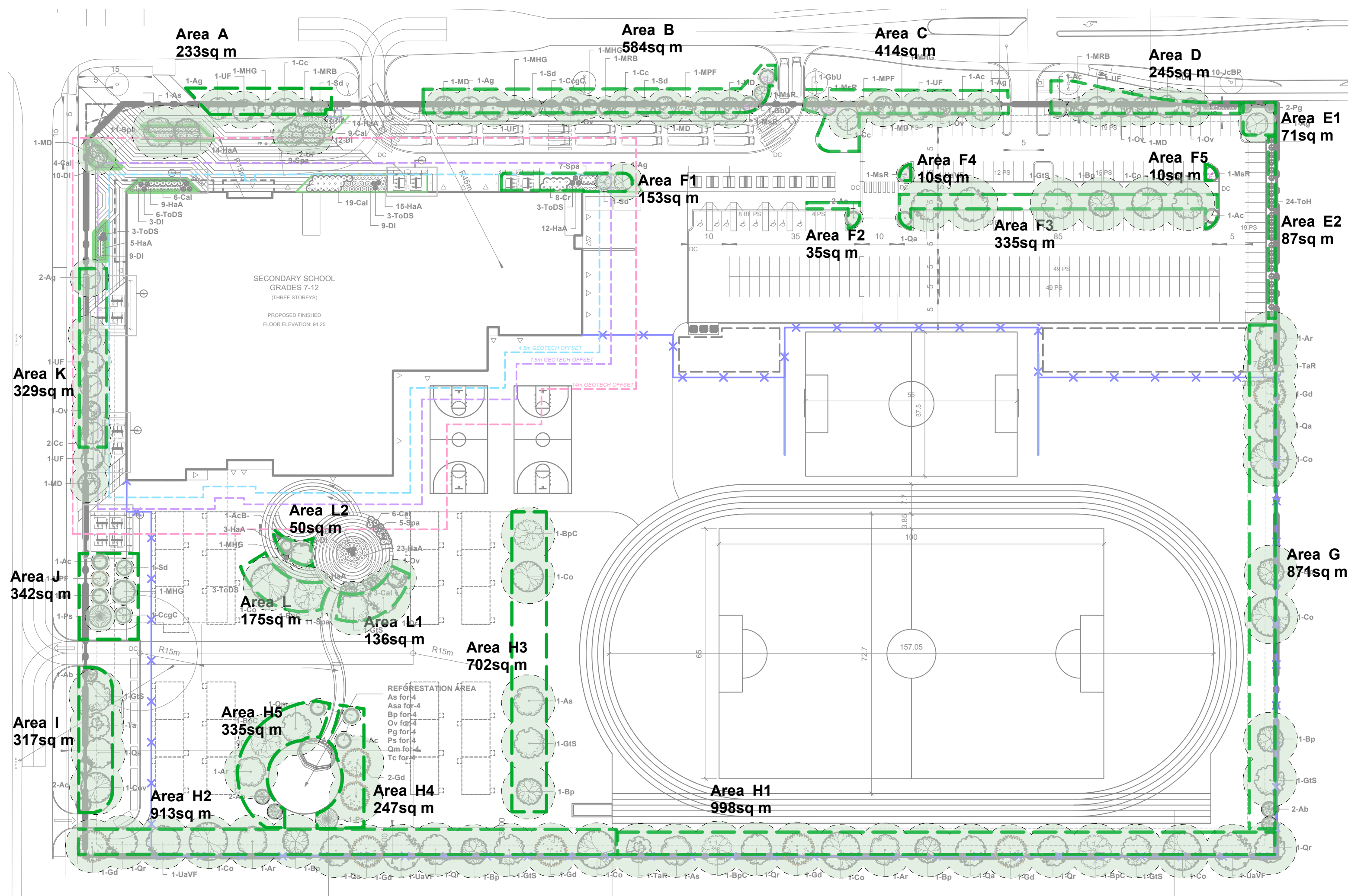
## 1 LANDSCAPE PLAN

Scale: 1:650

| Plant List |      |     |                                                  |                                    |               |              |            |
|------------|------|-----|--------------------------------------------------|------------------------------------|---------------|--------------|------------|
| Origin     | ID   | Qty | Botanical Name                                   | Common Name                        | Mature Height | Scheduled S. | Remarks    |
|            |      | 65  | LARGE DECIDUOUS TREES                            |                                    |               |              |            |
| Niv        | Ar   | 4   | Acer rubrum                                      | Red Maple                          | 35 - 50 ft    | 70mm caliper | WB, Staked |
| Niv        | As   | 3   | Acer saccharum                                   | Sugar Maple                        | over 30m      | 70mm cal.    | WB, Staked |
| Niv        | Bp   | 8   | Betula papyrifera                                | Paper Birch, Canoe Birch           | 35 - 50 ft    | 60mm caliper | WB, Staked |
| Niv        | BpC  | 5   | Betula papyrifera                                | Paper Birch Clump                  | 35 - 50 ft    | 70mm cal.    | WB, Staked |
| Niv        | Co   | 9   | Celtis occidentalis                              | Common Hackberry                   | >10 - 15m     | ---          | WB, Staked |
| Niv        | Cov  | 1   | Carya ovata                                      | Shagbark Hickory                   | 50 - 80 ft    | 60mm caliper | WB, Staked |
| Niv        | Gd   | 8   | Gymnocladus dioicous                             | Kentucky Coffee Tree               | 15m ht        | ---          | ---        |
| Niv H      | GIS  | 8   | Gleditsia triacanthos var. inermis 'Shademaster' | Shademaster Honeylocust            | 15 - 20m      | ---          | ---        |
| Niv        | Qa   | 5   | Quercus alba                                     | White Oak                          | 50 - 80 ft    | 70mm caliper | WB, Staked |
| Niv        | Qm   | 1   | Quercus macrocarpa                               | Burr Oak                           | 80 - 100 ft   | 70mm caliper | WB, Staked |
| Niv        | Qr   | 6   | Quercus rubra                                    | Northern Red Oak                   | 50 - 80 ft    | 70mm cal.    | WB, Staked |
| Niv        | Ta   | 1   | Tilia americana                                  | Basswood                           | 50 - 80 ft    | 70mm cal.    | WB, Staked |
| Niv H      | TaR  | 2   | Tilia americana 'Redmond'                        | Redmond Linden                     | >25 - 30m     | 70mm cal.    | WB, Staked |
| Niv        | UaVf | 4   | Ulmus americana 'Valley Forge'                   | Valley Forge Elm                   | 50 - 80 ft    | 70mm cal.    | WB, Staked |
|            |      | 38  | MEDIUM DECIDUOUS TREES                           |                                    |               |              |            |
| Niv        | Ag   | 7   | Aesculus glabra                                  | Ohio Buckeye                       | 15 - 35 ft    | ---          | WB, Staked |
| Niv        | CC   | 6   | Carpinus caroliniana                             | Bluebeech, Muscledwood             | 35 - 50 ft    | 70mm cal.    | WB, Staked |
| Non N      | MD   | 7   | Malus 'Doglo'                                    | Malus Doglo                        | 35 ft         | 60mm caliper | WB, Staked |
| Niv        | Ov   | 6   | Ostrya virginiana                                | Ironwood                           | 15 - 35 ft    | 50mm caliper | WB, Staked |
| Niv H      | ToDS | 3   | Thuja occidentalis 'Degroot's Spire'             | Degroot's Spire Arborvitae         | 15 - 35 ft.   | 150 cm ht.   | Potted     |
| Non Niv    | UF   | 9   | Ulmus minor x parvifolia 'Frontier'              | Frontier Elm                       | 35 - 50 ft    | 70mm caliper | WB, Staked |
|            |      | 20  | SMALL DECIDUOUS TREES                            |                                    |               |              |            |
| Niv        | Ac   | 12  | Amelanchier canadensis                           | Serviceberry                       | 10 - 15 ft    | 45mm cal.    | WB, Staked |
| Niv H      | AcB- | 1   | Amelanchier canadensis 'Ballarina'               | Ballarina Serviceberry (tree form) | >3 - 5m       | 40mm caliper | WB, Staked |
| Niv        | CcgC | 2   | Crataegus crus-galli inermis 'Cruzam'            | Thornless Crusader Cockspur Ha     | 25 - 35 ft    | 45mm caliper | WB, Staked |

**PLANT ORIGIN KEY:**  
 NTV = NATIVE SPECIES  
 NTV H = NATIVE SPECIES, HORTICULTURAL VARIANT  
 NON NH = NATIVE SPECIES HYBRIDISED WITH NON-NATIVE SPECIES  
 NON N = NON-NATIVE SPECIES

|       |                |     |                                      |                              |             |              |              |
|-------|----------------|-----|--------------------------------------|------------------------------|-------------|--------------|--------------|
| Ntv   | <b>Sd</b>      | 5   | Sorbus Americana                     | Mountain Ash                 | 10 - 30ft   | 45mm caliper | WB, Staked   |
|       |                | 12  | <b>ORNAMENTAL TREES</b>              |                              |             |              |              |
| Non N | <b>MHG</b>     | 6   | Malus x 'Harvest Gold'               | Harvest Gold Crabapple       | 18 - 22 ft  | 50mm caliper | ---          |
| Non N | <b>MRB</b>     | 3   | Malus x 'Royal Beauty'               | Royal Beauty Crabapple       | 15 - 35 ft  | 50mm caliper | WB, Staked   |
| Non N | <b>MPF</b>     | 3   | Malus 'Prairie Fire'                 | Prairie Fire Crabapple       | 7.0m ht     | 50mm caliper | WB, Staked   |
|       |                | 2   | <b>SMALL ORNAMENTAL TREES</b>        |                              |             |              |              |
| Non N | <b>MsR</b>     | 1   | Malus sargentii 'Rosea'              | Pink Flowering Crabapple     | 10ft        | 45mm cal.    | WB, Staked   |
| Non N | <b>GbU</b>     | 1   | Ginkgo biloba 'Umbrella'             | Umbrella Maidenhair Tree     | 2-3m        | 45mm cal.    | WB, Staked   |
|       |                | 9   | <b>CONIFEROUS TREES</b>              |                              |             |              |              |
| Ntv   | <b>Ab</b>      | 5   | Abies balsamea                       | Balsam Fir                   | 35 - 50 ft  | 200 cm ht    | WB, Staked   |
| Ntv   | <b>Pg</b>      | 2   | Picea glauca                         | White Spruce                 | ---         | 200 cm ht    | WB, Staked   |
| Ntv   | <b>Ps</b>      | 2   | Pinus strobus                        | Eastern White Pine           | 50 - 80 ft  | 200 cm ht.   | WB, Staked   |
|       |                |     | <b>CONIFEROUS SHRUBS</b>             |                              |             |              |              |
| Non N | <b>JcBP</b>    | 10  | Juniperus chinensis 'Blue Point'     | Blue Point Juniper           | 10 - 12 ft  | 150 cm ht    | Potted       |
| Ntv H | <b>ToDS</b>    | 18  | Thuja occidentalis 'Degroot's Spire' | Degroot's Spire Arborvitae   | 15 - 35 ft. | 150 cm ht.   | Potted       |
| Ntv   | <b>ToH</b>     | 24  | Thuja occidentalis 'Holmstrup'       | Holmstrup Eastern Arborvitae | 5 - 10 ft   | 150cm ht     | Potted       |
|       |                | 32  | <b>REFORESTATION PLANTING</b>        |                              |             |              |              |
| Ntv   | <b>As for</b>  | 4   | Acer saccharum                       | Sugar Maple                  | 35 - 50 ft  | 150 cm ht.   | Bare root    |
| Ntv   | <b>Asa for</b> | 4   | Acer rubrum                          | Red Maple                    | 50 - 80 ft  | 150 cm ht.   | Bare root    |
| Ntv   | <b>Bp for</b>  | 4   | Betulus papyrifera                   | White Birch                  | 50 - 80 ft  | 150 cm ht.   | Bare root    |
| Ntv   | <b>Ov for</b>  | 4   | Ostrya virginiana                    | American Hophornbeam         | 15 - 35 ft  | 150 cm ht.   | Bare root    |
| Ntv   | <b>Pg for</b>  | 4   | Picea glauca                         | White Spruce                 | ---         | 75 cm ht.    | Potted       |
| Ntv H | <b>Ps for</b>  | 4   | Pinus strobus                        | White Pine                   | ---         | 50 cm ht.    | Potted       |
| Ntv   | <b>Qm for</b>  | 4   | Quercus macrocarpa                   | Bur Oak                      | 50 - 80 ft  | 150 cm ht.   | Bare root    |
| Ntv   | <b>Tc for</b>  | 4   | Tsuga canadensis                     | Canadian Hemlock             | 35 - 50 ft  | 175 cm ht.   | Potted       |
|       |                | 257 | <b>SHRUBS</b>                        |                              |             |              |              |
| Ntv   | <b>Cal</b>     | 47  | Clethra alnifolia                    | Summersweet Clethra          | 5 - 10 ft   | 50cm ht      | BB           |
| Ntv   | <b>Cr</b>      | 8   | Cornus racemosa                      | Gray Dogwood                 | >3 - 5m     | 50cm ht      | BB           |
| Ntv   | <b>DI</b>      | 56  | Diervilla lonicera                   | Dwarf Bush-honeysuckle       | >90 - 150cm |              | 2 gallon pot |
| Ntv H | <b>HaA</b>     | 103 | Hydrangea arborescens 'Annabelle'    | Annabelle Hydrangea          | >90 - 150cm | 2 gallon pot | Potted       |

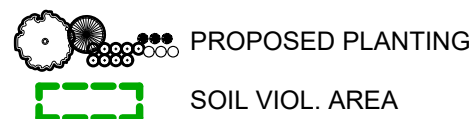


1 CANOPY COVERAGE & SOIL VOLUMES  
L- 02 Scale: 1:850

| HMB Highschool                                                                                                    |               |                                             |                    |                          |                                    |
|-------------------------------------------------------------------------------------------------------------------|---------------|---------------------------------------------|--------------------|--------------------------|------------------------------------|
| Soil Volume Area, Tree Quantity and Size                                                                          | Tree Quantity | OTTAWA Target Soil Volume (m <sup>3</sup> ) | Design Soil Volume | Soil Adequacy percentage | %Soil to be supplied by contractor |
| <b>AREA A - 3 Medium Trees, 2 Ornamental &amp; 1 Small Tree</b><br>plant bed (233 sq m x 0.4 ave metre deep)      | 6             | 115.0                                       | 93.2               | 81%                      | SEE NOTE<br><b>2</b>               |
| <b>AREA B - 8 Medium Trees, 4 Ornamental &amp; 6 Small Trees</b><br>plant bed (584 sq m x 0.4 ave metre deep)     | 18            | 282.0                                       | 233.6              | 83%                      | SEE NOTE<br><b>2</b>               |
| <b>AREA C - 1 Large Trees, 5 Medium, 4 Small Tree, 2 Ornamental</b><br>plant bed (414 sq m x 0.4 ave metre deep)  | 12            | 199.0                                       | 165.6              | 83%                      | SEE NOTE<br><b>2</b>               |
| <b>AREA D - 5 Medium Trees, 1 Small Tree &amp; 1 Ornamental Tree</b><br>plant bed (245 sq m x 0.6 ave metre deep) | 7             | 117.0                                       | 147.0              | 126%                     | SEE NOTE<br><b>2</b>               |
| <b>AREA E1 - 1 Medium Tree, 2 Conifers</b><br>plant bed (71 sq m x 0.9 ave metre deep)                            | 3             | 54.0                                        | 63.9               | 118%                     | SEE NOTE<br><b>3</b>               |
| <b>AREA E2 - 24 Coniferous Shrub</b><br>plant bed (87 sq m x 0.9 ave metre deep)                                  | 24            | 84.0                                        | 78.3               | 93%                      | SEE NOTE<br><b>3</b>               |
| <b>AREA F1 - 1 Medium Tree, 1 Small Tree</b><br>plant bed (153 sq m x 0.4 ave metre deep)                         | 2             | 33.0                                        | 61.2               | 185%                     | SEE NOTE<br><b>1</b>               |
| <b>AREA F2 - 1 Small Tree</b><br>plant bed (35 sq m x 0.9 ave metre deep)                                         | 1             | 25.0                                        | 31.5               | 126%                     | SEE NOTE<br><b>1</b>               |
| <b>AREA F3 - 2 Small Trees, 7 Large Trees</b><br>plant bed (335 sq m x 0.7 ave metre deep)                        | 9             | 205.0                                       | 234.5              | 114%                     | SEE NOTE<br><b>1</b>               |
| <b>AREA F4 - 1 Small Ornamental Tree</b><br>plant bed (10 sq m x 0.9 ave metre deep)                              | 1             | 9.2                                         | 9.0                | 97%                      | SEE NOTE<br><b>1</b>               |
| <b>AREA F5 - 1 Small Ornamental Tree</b><br>plant bed (10 sq m x 0.9 ave metre deep)                              | 1             | 9.2                                         | 9.0                | 97%                      | SEE NOTE<br><b>1</b>               |
| <b>AREA G - 12 Large Trees, 2 Conifers</b><br>plant bed (871 sq m x 0.4ave metre deep)                            | 14            | 336.0                                       | 348.4              | 104%                     | SEE NOTE<br><b>4</b>               |
| <b>AREA H1 - 15 Large Trees, 1 Conifer</b><br>plant bed (998 sq m x 0.4ave metre deep)                            | 16            | 393.0                                       | 399.2              | 102%                     | SEE NOTE<br><b>4</b>               |
| <b>AREA H2 - 13 Large Trees</b><br>plant bed (913 sq m x 0.4ave metre deep)                                       | 13            | 325.0                                       | 365.2              | 112%                     | SEE NOTE<br><b>4</b>               |
| <b>AREA H3 - 7 Large Trees</b><br>plant bed (702 sq m x 0.4ave metre deep)                                        | 7             | 175.0                                       | 280.8              | 160%                     | SEE NOTE<br><b>4</b>               |
| <b>AREA H4 - 2 Large Trees, 2 Small Trees, 1 Conifer</b><br>plant bed (247 sq m x 0.4ave metre deep)              | 5             | 96.0                                        | 98.8               | 101%                     | SEE NOTE<br><b>4</b>               |
| <b>AREA H5 - 13 Large Trees</b><br>plant bed (335 sq m x 0.4ave metre deep)                                       | 6             | 126.0                                       | 134.0              | 106%                     | SEE NOTE<br><b>4</b>               |
| <b>AREA I - 4 Large Trees, 2 Small Trees, 1 Conifer</b><br>plant bed (317 sq m x 0.4ave metre deep)               | 7             | 148.0                                       | 126.8              | 86%                      | SEE NOTE<br><b>2</b>               |
| <b>AREA J - 2 Ornamental Trees, 4 Small Trees, 1 Conifer</b><br>plant bed (342 sq m x 0.4ave metre deep)          | 7             | 114.0                                       | 136.8              | 120%                     | SEE NOTE<br><b>2</b>               |
| <b>AREA K - 7 Medium Trees</b><br>plant bed (329 sq m x 0.4ave metre deep)                                        | 7             | 126.0                                       | 131.6              | 104%                     | SEE NOTE<br><b>2</b>               |
| <b>AREA L - 2 Large Trees</b><br>plant bed (175 sq m x 0.4ave metre deep)                                         | 2             | 50.0                                        | 70.0               | 140%                     | SEE NOTE<br><b>1</b>               |
| <b>AREA L1 - 2 Large Trees, 1 Medium Tree</b><br>plant bed (136 sq m x 0.4ave metre deep)                         | 3             | 68.0                                        | 54.4               | 80%                      | SEE NOTE<br><b>1</b>               |
| <b>AREA L2 - 1 Ornamental Tree, 1 Small &amp; 1 Small ornamental</b><br>plant bed (50 sq m x 0.4ave metre deep)   | 2             | 30.0                                        | 20.0               | 67%                      | SEE NOTE<br><b>1</b>               |

\* 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

#### LEGEND



| TREE CANOPY COVERAGE |           |    |
|----------------------|-----------|----|
| TOTAL CANOPY AREA    | 11631.687 | m2 |
| TOTAL SITE AREA      | 60485     | m2 |
| PERCENT COVERAGE     | 19.23%    |    |

#### NOTES:

##### PLANTING MEDIUM REQUIREMENTS FOR TREE PLANTING

###### 1 WHERE SOIL VOLUMES ARE WITHIN EXCAVATED DEVELOPMENT AREA:

PROVIDE 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 DEPTH OF 300mm.

###### 2 WHERE SOIL VOLUMES INCLUDE SOIL VOLUMES IN R.O.W. AT PROPERTY LINE

R.O.W. AND WITHIN SUBJECT PROPERTY:  
ASSUME ALL SOIL VOLUME REQUIREMENTS ARE MET WITHIN THE R.O.W. AREA. REINSTATE ANY DISTURBED AREAS IN R.O.W. OUTSIDE THE 2m RADIUS TREE PITS WITH 100-150mm TOPSOIL AND SOD.  
PLACE PLANTING MEDIUM (TO DEPTH INDICATED ON SOIL VOLUME CHART) AT ALL DISTURBED AREAS WHERE EXISTING SOILS ARE REMOVED, OR WHERE EXISTING SOILS ARE NOT CONDUCIVE TO PLANT GROWTH.  
ADDITIONAL PLANTING MEDIUM IS NOT REQUIRED WHERE EXISTING SOIL IS PRESENT IN OR ADJACENT TO THE R.O.W. 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 FURTHER DEPTH OF 300mm.

BASE CONTRACT TO ASSUME SUBSOIL IS CONDUCIVE TO PLANT GROWTH.

###### 3 WHERE SOIL VOLUMES INCLUDE SOIL VOLUMES ON ADJACENT PROPERTY AT PROPERTY LINE

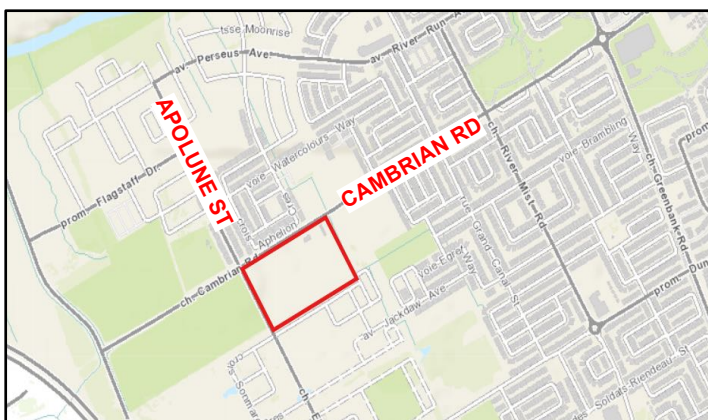
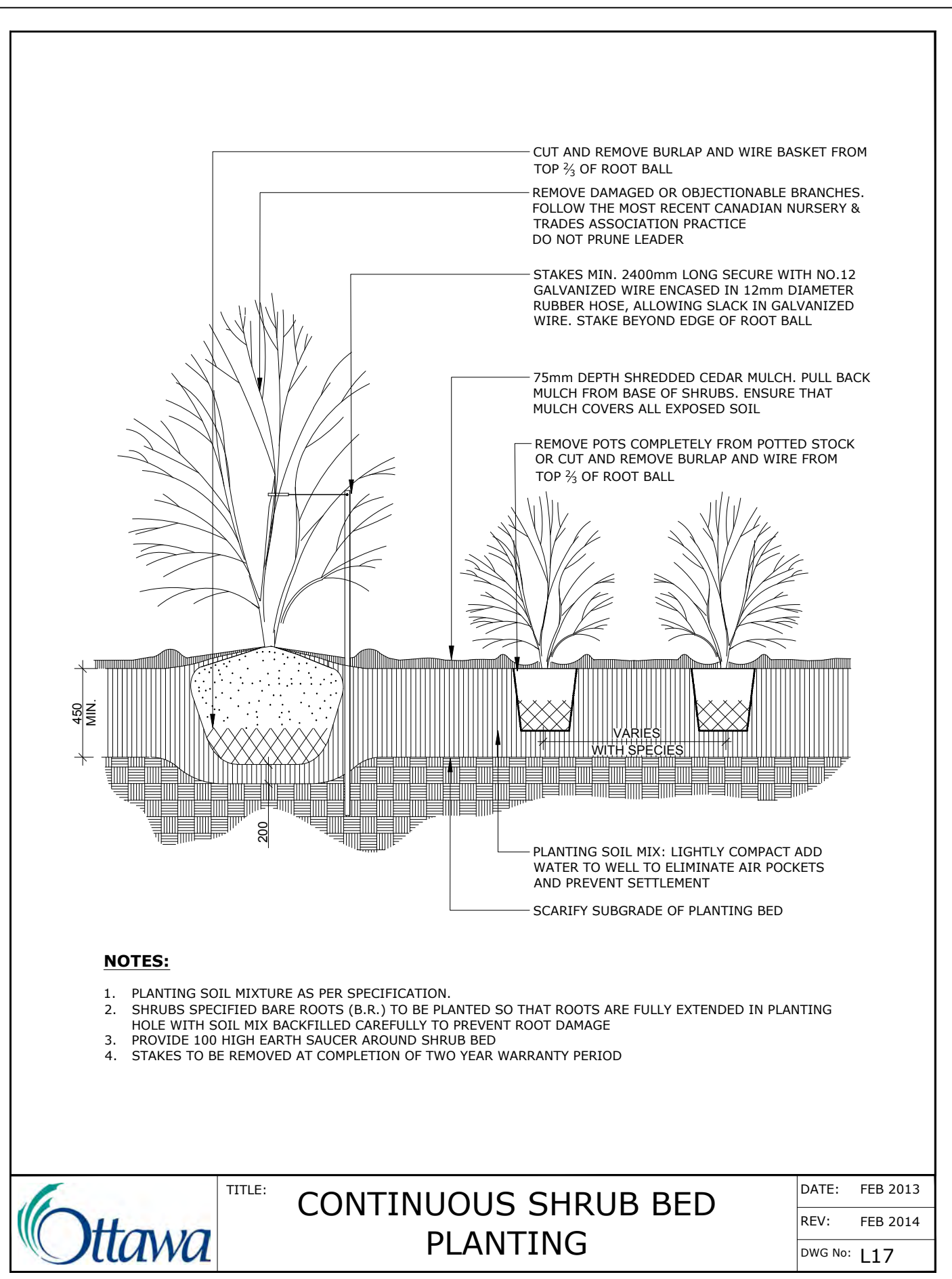
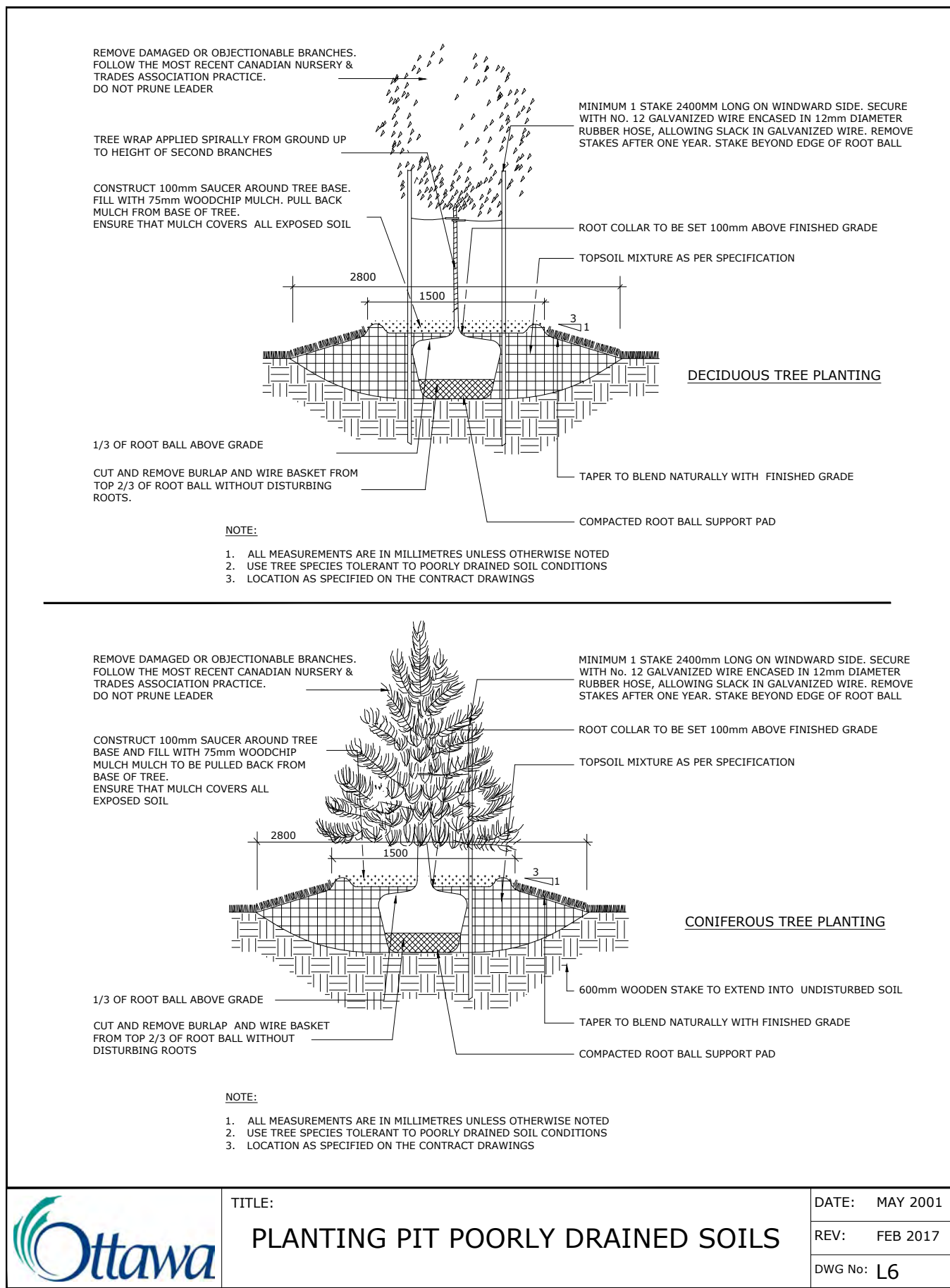
ADJACENT PROPERTY AND WITHIN SUBJECT PROPERTY:  
ASSUME ALL SOIL VOLUME REQUIREMENTS ARE MET WITHIN THE ADJACENT PROPERTY AREA. REINSTATE ANY DISTURBED AREAS ON ADJACENT PROPERTY OUTSIDE THE 2m RADIUS TREE PITS WITH 100-150mm TOPSOIL AND SOD.  
PLACE PLANTING MEDIUM (TO DEPTH INDICATED ON SOIL VOLUME CHART) AT ALL DISTURBED AREAS WHERE EXISTING SOILS ARE REMOVED, OR WHERE EXISTING SOILS ARE NOT CONDUCIVE TO PLANT GROWTH.  
ADDITIONAL PLANTING MEDIUM IS NOT REQUIRED WHERE EXISTING SOIL IS PRESENT IN OR ADJACENT TO THE ADJACENT PROPERTY. 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 FURTHER DEPTH OF 300mm.

BASE CONTRACT TO ASSUME SUBSOIL IS CONDUCIVE TO PLANT GROWTH.

###### 4 AREAS NEAR SOCCER FIELD AND OUTDOOR CLASSROOM

ASSUME ALL SOIL VOLUME REQUIREMENTS ARE MET, REINSTATE ANY DISTURBED AREAS ON ADJACENT PROPERTY OUTSIDE THE 2m RADIUS TREE PITS WITH 100-150mm TOPSOIL AND SOD.  
ADDITIONAL PLANTING MEDIUM IS NOT REQUIRED WHERE EXISTING SOIL IS PRESENT IN OR ADJACENT TO THE ADJACENT PROPERTY. 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 FURTHER DEPTH OF 300mm.

BASE CONTRACT TO ASSUME SUBSOIL IS CONDUCIVE TO PLANT GROWTH.



ARCHITECT:  
**N4S ARCHITECTURE INC**  
71 BANK STREET, 7TH FLOOR  
OTTAWA, ONTARIO, K1P 5N2  
613.224.0095  
VLADIMIR@N4S.CA

LAND SURVEYOR:  
**FARLEY, SMITH & DENIS SURVEYING LTD.**  
30 COLONNADE ROAD, UNIT 275  
OTTAWA, ONTARIO, K2V 7J6  
613.727.8228  
INFO@FSDSURVEYS.CA

GEOTECHNICAL ENGINEER & ENVIRONMENTAL:  
**EXP SERVICES INC.**  
100-2650 QUEENSWAY DRIVE  
OTTAWA, ONTARIO K2B 8H6  
613.688.1899 x63242  
ISMAIL.TAKI@EXP.COM

TRAFFIC ENGINEER:  
**NOVATECH**  
240 MICHAEL COWPLAND DR. # 200  
OTTAWA, ONTARIO, K2V 1P6  
613.254.8543 x286  
B.RIVELDS@NOVATECH-ENG.COM

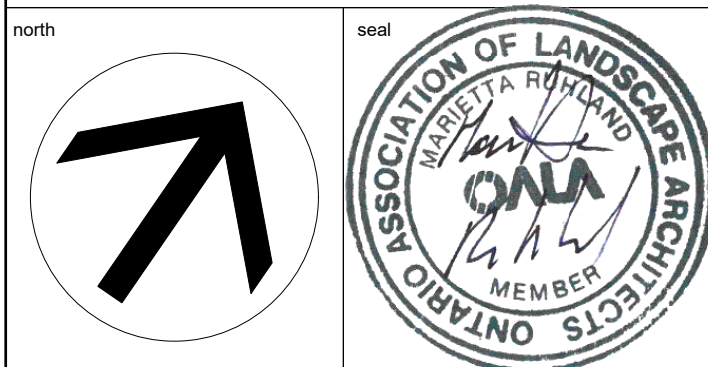
MECHANICAL & ELECTRICAL ENGINEER:  
**GOODNEY, WEEDMARK & ASSOCIATES LTD.**  
1688 WOODWARD DRIVE  
OTTAWA, ONTARIO, K2C 9R6  
613.727.5111 x098  
RAJIV@GVAL.COM

| no. | revision                  | date       |
|-----|---------------------------|------------|
| 04  |                           |            |
| 03  |                           |            |
| 02  |                           |            |
| 01  | Issued for SPC Submission | 2026/07/24 |

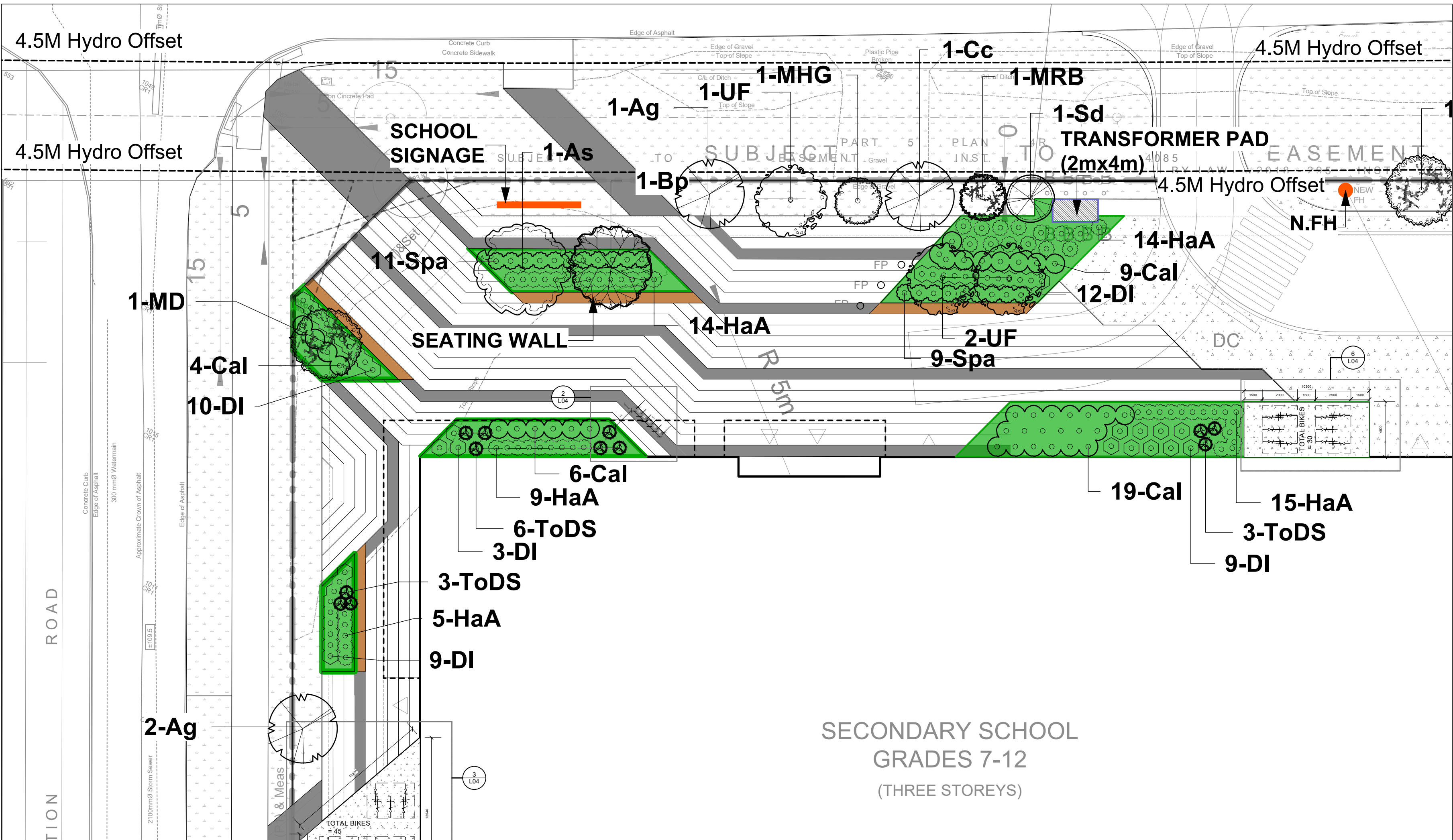
**N4S ARCHITECTURE INC.**  
71 Bank Street, 7th Floor - Ottawa, Ontario, K1P 5N2  
tel. 613.224.0095 fax 613.224.9811



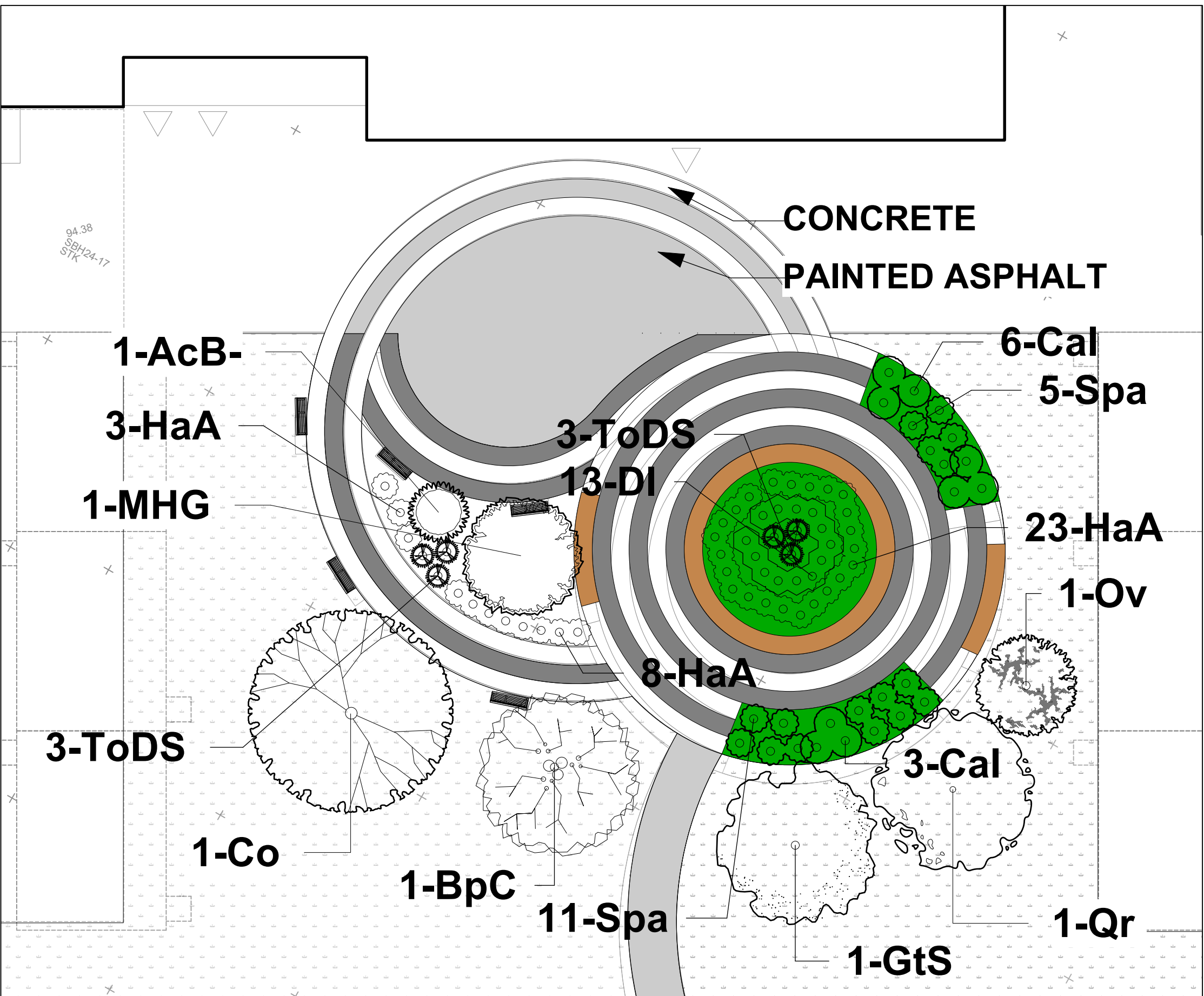
**HALF MOON BAY SECONDARY SCHOOL**  
3853 CAMBRIAN ROAD  
OTTAWA, ONTARIO  
K2J 5P5



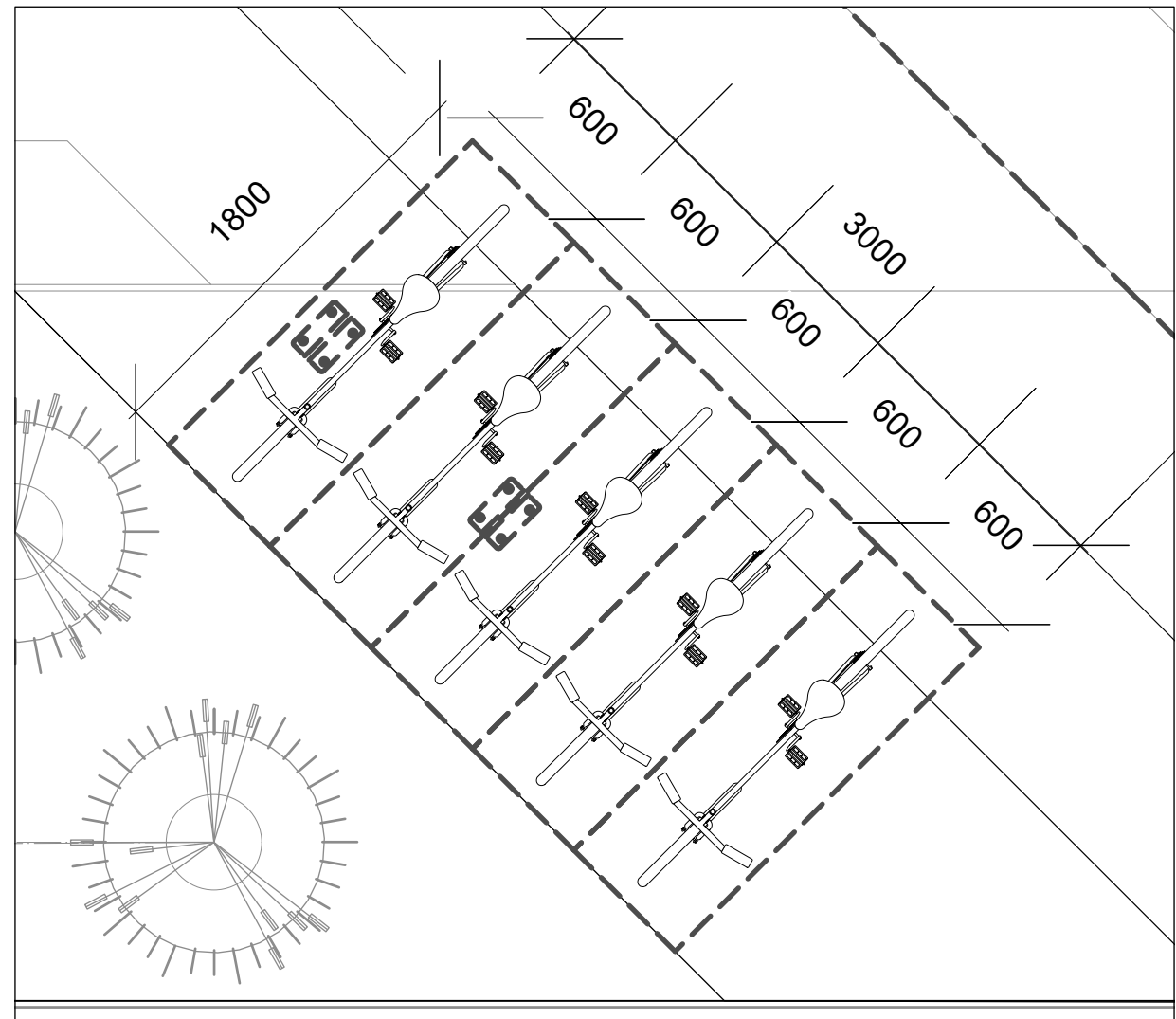
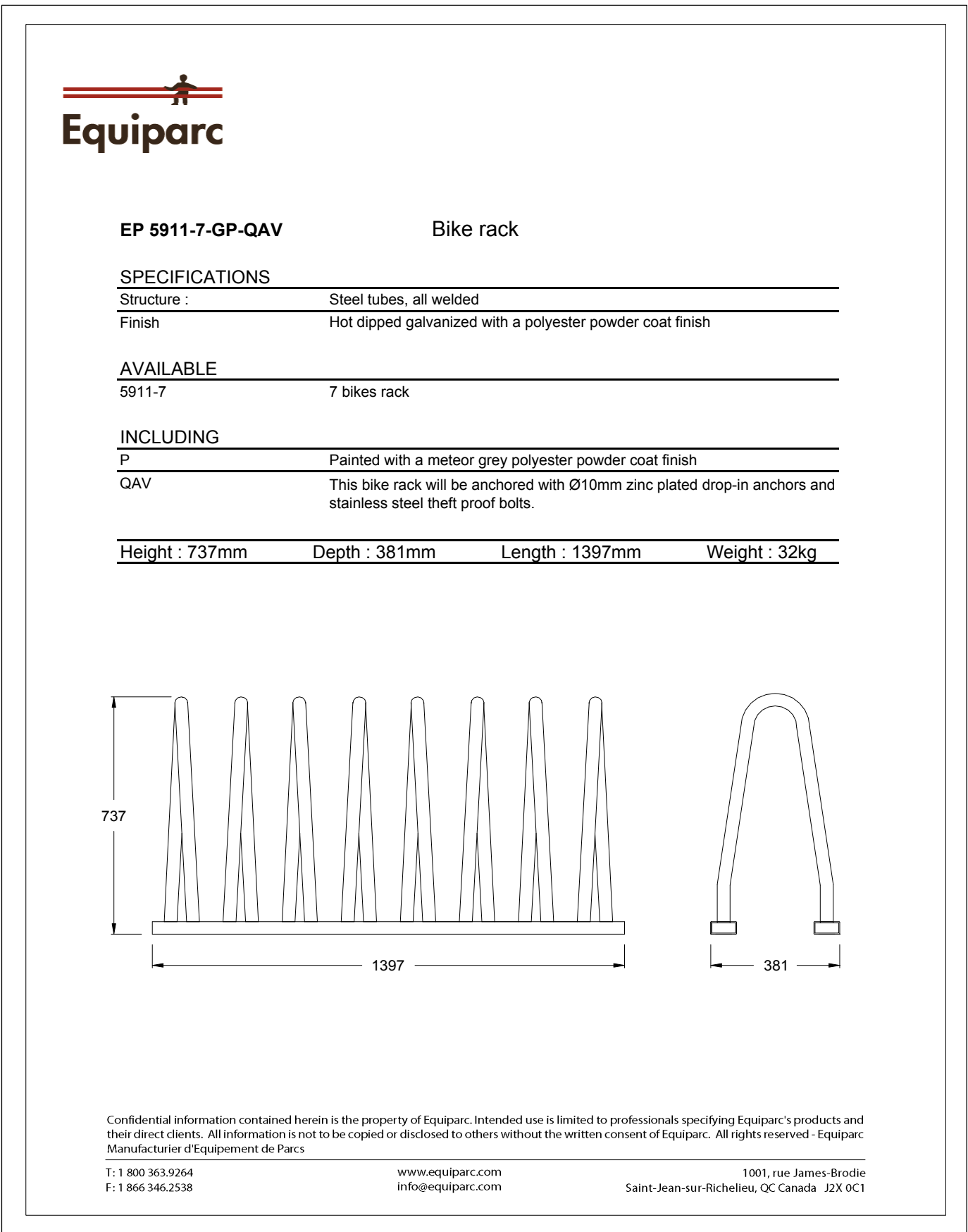
| CANOPY COVERAGE & SOIL VOLUMES                                                                           |            |                |            |
|----------------------------------------------------------------------------------------------------------|------------|----------------|------------|
| scale                                                                                                    | 1:1200     | drawn by       | N.W        |
| date                                                                                                     | 2025 10 20 | checked by     | M.R.       |
| project number                                                                                           | N4S 26-923 | drawing number | RA 26-1779 |
| CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES. |            |                | revision   |
| DO NOT SCALE DRAWINGS                                                                                    |            |                |            |



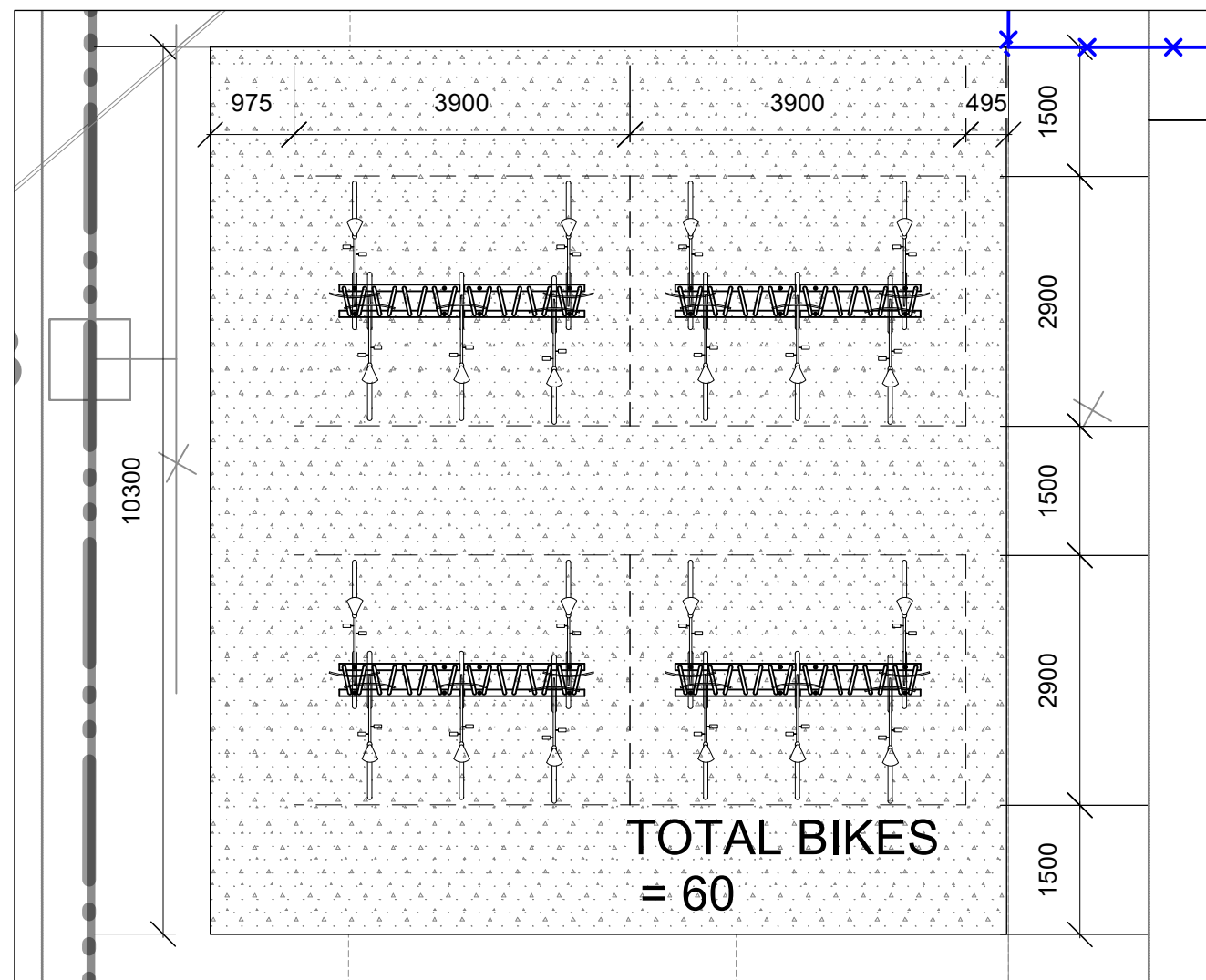
1 ENLARGEMENT - FRONT ENTRANCE  
Scale: 1:250



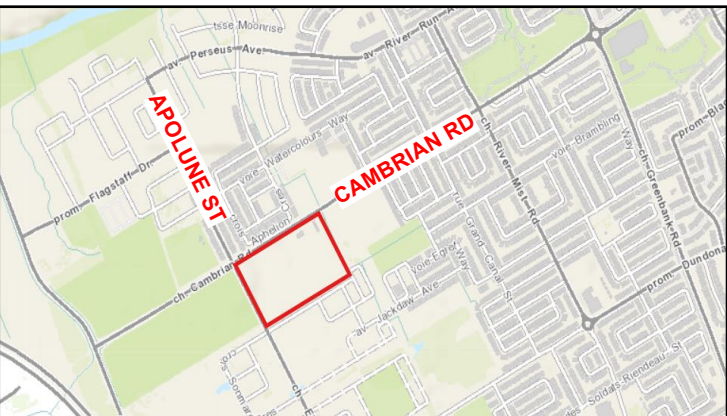
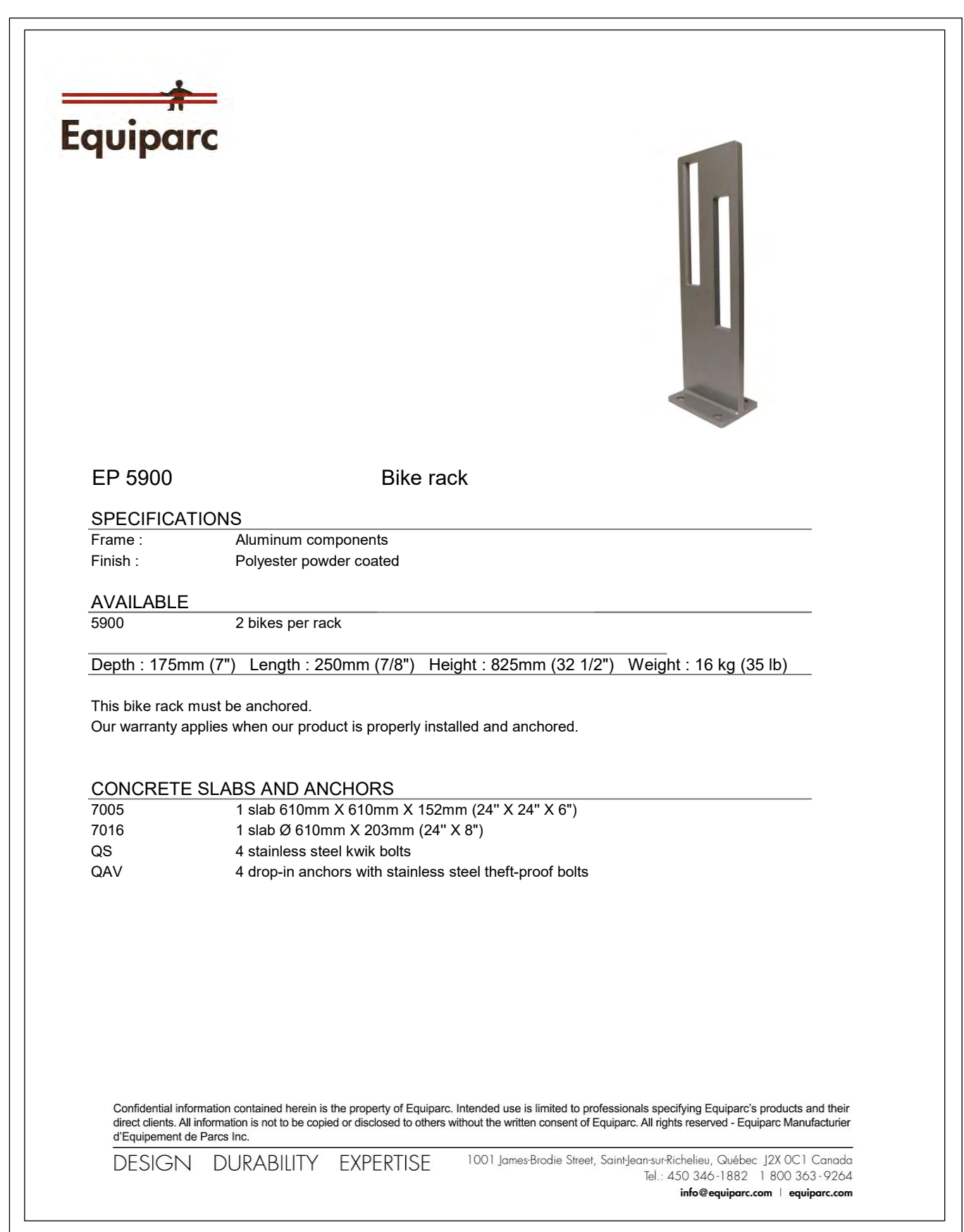
2 ENLARGEMENT - GATHERING SPACE  
Scale: 1:200



3 TYPICAL LAYOUT 1- BIKE RACKS  
Scale: 1:30



4 TYPICAL LAYOUT 2 - BIKE RACKS  
Scale: 1:80



ARCHITECT:  
**N45 ARCHITECTURE INC**  
71 BANK STREET, 7TH FLOOR  
OTTAWA, ONTARIO, K1P 5N2  
613.224.0095  
VLADIMIR@N45.CA

LAND SURVEYOR:  
**FARLEY, SMITH & DENIS SURVEYING LTD.**  
30 COLONNADE ROAD, UNIT 275  
OTTAWA, ONTARIO, K2H 7J6  
613.727.8228  
INFO@FSDSURVEYS.CA

LANDSCAPE ARCHITECT:  
**RUHLAND & ASSOCIATES LTD.**  
200-1750 COURTWOOD CRESCENT  
OTTAWA, ONTARIO, K2C 2B5  
613.224.4744  
MRUHLAND@RALA.CA

GEOTECHNICAL ENGINEER & ENVIRONMENTAL:  
**EXP SERVICES INC.**  
100-2650 QUEENSWAY DRIVE  
OTTAWA, ONTARIO, K2B 8H6  
613.688.1899 x63242  
ISMAIL.TAKI@EXP.COM

CIVIL ENGINEER:  
**JP2G CONSULTANTS INC.**  
1150 MORRISON DRIVE, SUITE 410  
OTTAWA, ONTARIO, K2H 8S9  
613.828.7800  
ZACH.BAUMAN@JP2G.COM

MECHANICAL & ELECTRICAL ENGINEER:  
**GOODNEY, WEEDMARK & ASSOCIATES LTD.**  
1688 WOODWARD DRIVE  
OTTAWA, ONTARIO, K2C 9R6  
613.727.5111 x259  
RAJV@GVAL.COM

TRAFFIC ENGINEER:  
**NOVATECH**  
240 MICHAEL COWPLAND DR., # 200  
OTTAWA, ONTARIO, K2V 1P6  
613.254.9643 x286  
B.VYVELDS@NOVATECH-ENG.COM

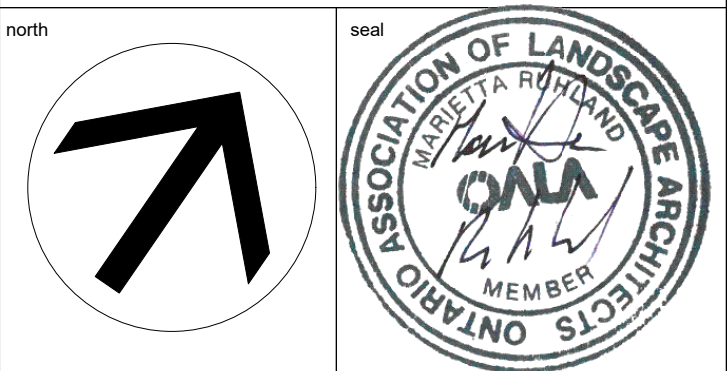
| no. | revision                  | date       |
|-----|---------------------------|------------|
| 04  |                           |            |
| 03  |                           |            |
| 02  |                           |            |
| 01  | Issued for SPC Submission | 2026/07/24 |

**N45 ARCHITECTURE INC.**  
71 Bank Street, 7th Floor - Ottawa, Ontario, K1P 5N2  
tel. 613.224.0095 fax 613.224.9811

**Ruhland & Associates Ltd**  
landscape architecture • urban design • site planning  
Ph 613-224-0744 Fx 613-224-1131 info@rala.ca www.rala.ca

**HALF MOON BAY SECONDARY SCHOOL**

3853 CAMBRIAN ROAD  
OTTAWA, ONTARIO  
K2J 5P5



| scale                                                                                                    | drawn by       |
|----------------------------------------------------------------------------------------------------------|----------------|
| 2025 10 20                                                                                               | N.W.           |
| date                                                                                                     | checked by     |
| 2025 10 20                                                                                               | M.R.           |
| project number                                                                                           | drawing number |
| N45                                                                                                      | 26-923         |
| RA                                                                                                       | 26-1779        |
| <b>L- 03</b>                                                                                             |                |
| CONTRACTOR TO VERIFY ALL DIMENSIONS AND NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BEFORE WORK COMMENCES. |                |
| DO NOT SCALE DRAWINGS                                                                                    |                |