

LEGEND

RP ~~~~~ ROOT PRUNING

TP —○— TREE PROTECTION

○ CRZ - CRITICAL ROOT ZONE
(TREE TO BE SAVED)

X TREE TO BE REMOVED
INCLUDING CRZ

~~~~~ EXISTING TREELINE

----- LIMITS OF CLEARING AND GRADING

▨ AREA COUNTED TOWARD  
TREE COVER

- NOTES:
- BUILDING MATERIALS AND EQUIPMENT TO BE STORED ONSITE WILL BE OUTSIDE THE CRITICAL ROOT ZONE OF ANY OFFSITE TREES TO REMAIN.
  - ALL EXISTING TREES WITHIN THE LIMITS OF CLEARING AND GRADING TO BE REMOVED UNLESS OTHERWISE NOTED.
  - COUNTY ARBORIST INSPECTION REQUIRED PRIOR TO ANY LAND DISTURBANCE ACTIVITY
  - SHRUBS PLANTED IN BIORETENTION PLANTER TO BE CHOSEN FROM TABLE 9.4 FROM THE BIORETENTION SPECIFICATION MANUAL (SEE SHEET C-1202). THE NUMBER OF SHRUBS REQUIRED IS PER CHART ON SHEET C-0702.

Tree Inventory - 2938 26th St. N. - Arlington, VA

| Tree # | Botanical Name          | Common Name       | Size DBH (in) | Critical Root Zone (CRZ) Radius (ft) | Species Rating (%) | Condition % | Removal | Tree Protection Fence | Mulch | Root Prune | Notes         |
|--------|-------------------------|-------------------|---------------|--------------------------------------|--------------------|-------------|---------|-----------------------|-------|------------|---------------|
| 101    | Quercus phellos         | Willow oak        | 20"           | 20'                                  | 75%                | 66%         | X       |                       |       |            | offsite, lean |
| 102    | Magnolia x soulangiana  | Saucer magnolia   | 16"           | 16'                                  | 70%                | 69%         | X       |                       |       |            | offsite       |
| 103    | Picea abies             | Norway spruce     | 16"           | 16'                                  | 55%                | 69%         | X       |                       |       |            | offsite       |
| 104    | Prunus serotina         | Black cherry      | 6"            | 8'                                   | 55%                | 72%         | X       |                       |       |            | offsite       |
| 105    | Lagerstroemia indica    | Crape Myrtle      | 6"            | 8'                                   | 78%                | 66%         | X       |                       |       |            | multi-stem    |
| 106    | Acer saccharinum        | Silver maple      | 21"           | 21'                                  | 45%                | 66%         | X       |                       |       |            | offsite       |
| 107    | Liriodendron tulipifera | Yellow-poplar     | 18"           | 18'                                  | 70%                | 69%         | X       |                       |       |            | offsite       |
| 108    | Prunus serotina         | Black cherry      | 3"            | 8'                                   | 55%                | 63%         | X       |                       |       |            | offsite       |
| 109    | Nyssa sylvatica         | Blackgum          | 8"            | 8'                                   | 80%                | 66%         | X       |                       | X     |            | offsite       |
| 110    | Quercus alba            | White oak         | 30"           | 45'                                  | 88%                | 63%         | X       |                       |       |            | co-dom        |
| 111    | Quercus alba            | White oak         | 13"           | 13'                                  | 88%                | 66%         | X       |                       |       |            |               |
| 112    | Liriodendron tulipifera | Yellow-poplar     | 6"            | 8'                                   | 70%                | 69%         | X       |                       |       |            |               |
| 113    | Quercus alba            | White oak         | 36"           | 54'                                  | 88%                | 69%         | X       |                       |       |            |               |
| 114    | Quercus rubra           | Northern red oak  | 23"           | 23'                                  | 75%                | 66%         | X       |                       |       |            |               |
| 115    | Acer rubrum             | Red maple         | 5"            | 8'                                   | 70%                | 66%         | X       |                       |       |            |               |
| 116    | Acer rubrum             | Red maple         | 6"            | 8'                                   | 70%                | 69%         | X       |                       |       |            |               |
| 117    | Quercus alba            | White oak         | 24"           | 24'                                  | 88%                | 66%         | X       |                       |       |            |               |
| 118    | Quercus rubra           | Northern red oak  | 16"           | 16'                                  | 75%                | 66%         | X       |                       |       |            |               |
| 119    | Cornus florida          | Flowering dogwood | 5"            | 8'                                   | 60%                | 66%         | X       |                       |       |            |               |
| 120    | Acer rubrum             | Red maple         | 8"            | 8'                                   | 70%                | 66%         | X       |                       |       |            |               |
| 121    | Acer palmatum           | Japanese maple    | 5"            | 8'                                   | 80%                | 72%         | X       |                       |       |            |               |
| 122    | Liriodendron tulipifera | Yellow-poplar     | 26"           | 26'                                  | 70%                | 66%         | X       |                       |       |            | shared        |
| 123    | Quercus alba            | White oak         | 29"           | 29'                                  | 88%                | 69%         | X       |                       |       |            |               |
| 124    | Acer rubrum             | Red maple         | 5"            | 8'                                   | 70%                | 66%         | X       |                       |       |            |               |
| 125    | Quercus alba            | White oak         | 42"           | 63'                                  | 88%                | 63%         | X       |                       |       |            | co-dom        |
| 126    | Acer rubrum             | Red maple         | 31"           | 47'                                  | 70%                | 59%         | X       |                       |       |            |               |

DBH = Diameter at Breast Height (measured 4.5 feet above ground)

CRZ = Critical Root Zone = 1 foot radius per inch of tree diameter, trees over 30" DBH = 1.5 foot radius per inch of tree diameter

CRZ values for trees with multiple stems were calculated based on methods outlined in the 9th edition of the Guide for Plant Appraisal, published by the I.S.A.

Condition Ratings provided as percentages based on methods outlined in the 9th edition of the Guide for Plant Appraisal, published by the I.S.A.

**TREE COVER CALCULATIONS**

|                                             |                             |
|---------------------------------------------|-----------------------------|
| GROSS SITE AREA                             | 14776 SF                    |
| EXCEPTIONS, DEDUCTIONS                      | 0 SF                        |
| ZONE                                        | R-10                        |
| PERCENT REQUIRED                            | 20 %                        |
| TREE COVER TO BE PROVIDED                   | (20%) 2955 SF               |
| TREE COVER PROVIDED BY PRESERVING TREES     | 8000 SF X 2.0 = 16000.00 SF |
| TREE COVER TO BE PROVIDED BY PLANTING TREES | 0 SF                        |
| COVER PROVIDED BY PLANTING                  | 0 SF                        |
| TOTAL TREE COVER PROVIDED                   | 16000 SF                    |

**INVASIVE SPECIES MANAGEMENT NARRATIVE**

ENGLISH IVY SHALL BE REMOVED FROM THE RESOURCE PROTECTION AREA THAT IS WITHIN THE SITE PROPERTY BOUNDARY AND THE AREA MUST BE KEPT CLEAR OF ENGLISH IVY TO THE MAXIMUM EXTENT PRACTICAL IN PERPETUITY.

ENGLISH IVY IS TO BE REMOVED BY HAND TO MINIMIZE SITE DISTURBANCE WITHIN THE LIMITS OF THE TREE SAVE AREA AND THE RESOURCE PROTECTION AREA. NO HEAVY MACHINERY IS TO BE USED OUTSIDE THE LIMITS OF DISTURBANCE. THE CONTRACTOR IS TO DISPOSE OF ALL DEBRIS IN A LOCATION APPROVED BY ARLINGTON COUNTY.

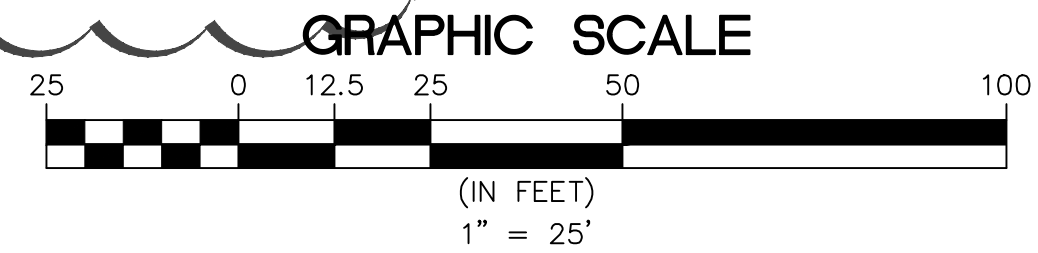
TREATMENT FOR THE ONSITE IVY SHALL BE AS FOLLOWS:

- CUT THE VINES AT THE BASE OF ALL ONSITE TREES TO REMAIN.
- LEAVE THE VINES IN PLACE TO DRY OUT AND DIE.
- FOR VINES THAT HAVE ADHERED TO TREES EITHER LET THE DEAD VINES FALL ON THEIR OWN OR AFTER THEY ARE DEAD AND NO LONGER ADHERED TO THE TREES THEY CAN BE GENTLY REMOVED. THE PROFESSIONAL PERFORMING THE WORK IS TO ENSURE THE EXISTING TREE BARK IS NOT DAMAGED.
- GRUB THE ONSITE VINES ATTEMPTING TO REMOVE AS MUCH OF THE VINES ROOTS AS POSSIBLE. AT A MINIMUM THE VINES WILL BE REMOVED IN ALL GROUND AREAS WITHIN 3 FT. OF THE BASE OF EXISTING AND PROPOSED TREE TRUNKS, UNLESS THE TREE WILL BE DAMAGED BY DOING SO, THIS SHALL BE DONE USING HAND TOOLS TO MINIMIZE THE IMPACT TO THE EXISTING NATIVE VEGETATION.

MAINTENANCE AND MONITORING SCHEDULE:  
THE ONSITE TREES, INCLUDING THOSE WITHIN THE ONSITE RPA ARE TO BE INSPECTED ANNUALLY FOR IVY GROWTH.

IVY REMOVAL/TREATMENT SHALL BE PERFORMED ANNUALLY IN AREAS WHERE IT HAS BEEN OBSERVED THAT VINES HAVE REGENERATED.

MAINTENANCE AND MONITORING WILL BE PERFORMED ANNUALLY IN PERPETUITY. A MAINTENANCE AND MONITORING AGREEMENT IS INCLUDED ON SHEET C-0704.



TREE PRESERVATION AND LANDSCAPE PLAN PREPARED BY:  
*B. Phillips*  
BENJAMIN J. SCHITTER, CERTIFIED ARBORIST ISA #MA-5385A 10/20/2016

**LANDSCAPE CONSERVATION PLAN**

**WALTER L. PHILLIPS** INCORPORATED ESTABLISHED 1945  
Engineers • Surveyors • Planners  
Landscape Architects • Arborists  
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**ARLINGTON, VIRGINIA  
DEPARTMENT OF ENVIRONMENTAL SERVICES  
2938 26TH STREET NORTH  
LOT 9, BALMORAL  
GRADING PLAN  
ARLINGTON COUNTY, VIRGINIA**

SCALE: 1"=25' DRAWN TPB CHECKED KSW  
SUBMITTED DATE 11/01/16 01/06/17  
ADV. COPY REV#1 - 03/12/18  
APPROVED DATE  
DIRECTOR OF ENVIRONMENTAL SERVICES

SHEET: **C-1201**

ADVANCE COPY