


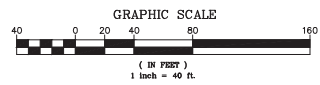


LEGEND

-  EXISTING TREE TO BE PRESERVED
-  EXISTING TREE TO BE REMOVED
-  EXISTING CRITICAL ROOT ZONE



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ARLINGTON COUNTY, VIRGINIA
DEPARTMENT OF ENVIRONMENTAL SERVICES

TREE INVENTORY PLAN

WALTER REED ELEMENTARY SCHOOL
CIVIL ENGINEERING PLAN
1664 N. MORNLEY ROAD
SCHEMATIC DESIGN
ARLINGTON, VIRGINIA 22205
ARLINGTON COUNTY, VIRGINIA

SCALE: 1"=40'

SHEET T1.00

DATE: JUNE 6, 2018

*DRAFT
COPY*

TREE INVENTORY

APS New Elementary School at Reed Site

Date of site visit(s): December 8, 2017 & May 23, 2018

Certified Arborist: Gregg D. Eberly (MA-461 GA)

Tag or Tree #	Botanic Name	Common Name	Caliper (DBH)	Condition Rating	Species Rating	Total Rating	Replacements Required	Preserve/Remove
1300	Prunus 'Kwanzan'	Kwanzan Cherry	6	0.70	0.60	2.52	0	Preserve
1301	Zelkova serrata	Japanese Zelkova	5	0.80	0.70	2.80	0	Preserve
1302	Zelkova serrata	Japanese Zelkova	6	0.80	0.70	3.36	0	Preserve
1303	Zelkova serrata	Japanese Zelkova	7	0.80	0.70	3.92	0	Preserve
1304	Zelkova serrata	Japanese Zelkova	8	0.70	0.70	3.92	0	Preserve
1305	Zelkova serrata	Japanese Zelkova	6	0.80	0.70	3.36	0	Preserve
1306	Quercus palustris	Pin Oak	8	0.80	0.70	4.48	1	Remove
1307	Quercus palustris	Pin Oak	7	0.80	0.70	3.92	1	Remove
1308	Acer pennsylvanicum	Striped Maple	20	0.80	0.70	11.20	0	Preserve
1309	Prunus 'Kwanzan'	Kwanzan Cherry	6	0.80	0.60	2.88	0	Preserve
1310	Lagerstromia indica	Crape Myrtle	6	0.80	0.80	3.84	0	Preserve
1311	Prunus 'Kwanzan'	Kwanzan Cherry	4	0.80	0.60	1.92	0	Preserve
1312	Prunus 'Kwanzan'	Kwanzan Cherry	4	0.80	0.60	1.92	0	Preserve
1313	Quercus palustris	Pin Oak	4	0.70	0.70	1.96	0	Preserve
1314	Quercus palustris	Pin Oak	4	0.80	0.70	2.24	0	Preserve
1315	Acer rubrum	Red Maple	5	0.80	0.70	2.80	0	Preserve
1316	Acer rubrum	Red Maple	5	0.80	0.70	2.80	0	Preserve
1317	Acer saccharum	Sugar Maple	7	0.80	0.40	2.24	0	Preserve
1318	Acer saccharinum	Silver Maple	33	0.60	0.40	7.92	0	Preserve
1319	Juglans nigra	Black Walnut	22	0.70	0.70	10.78	0	Preserve
1320	Juniperus virginiana	Eastern Redcedar	20	0.70	0.70	9.80	0	Preserve
1321	Juglans nigra	Black Walnut	37	0.70	0.70	18.13	0	Preserve
1322	Juniperus virginiana	Eastern Redcedar	12	0.70	0.70	5.88	0	Preserve
1323	Ulmus americana	American Elm	20	0.60	0.60	7.20	0	Preserve
1324	Juniperus virginiana	Eastern Redcedar	12	0.70	0.70	5.88	0	Preserve
1325	Juniperus virginiana	Eastern Redcedar	9	0.70	0.70	4.41	0	Preserve
1326	Juniperus virginiana	Eastern Redcedar	11	0.70	0.70	5.39	0	Preserve
1327	Juglans nigra	Black Walnut	27	0.70	0.70	13.23	0	Preserve
1329	Juglans nigra	Black Walnut	20	0.70	0.70	9.80	0	Preserve
1330	Quercus phellos	Willow Oak	3	0.60	0.70	1.26	0	Preserve
1331	Quercus phellos	Willow Oak	5	0.70	0.70	2.45	0	Preserve
1332	Quercus phellos	Willow Oak	5	0.70	0.70	2.45	0	Preserve
1333	Quercus phellos	Willow Oak	4	0.70	0.70	1.96	0	Preserve
1335	Juglans nigra	Black Walnut	65	0.70	0.70	31.85	0	Preserve
1336	Quercus phellos	Willow Oak	4	0.60	0.70	1.68	0	Preserve
1337	Robinia pseudoacacia	Black Locust	8	0.70	0.50	2.80	0	Preserve
1338	Robinia pseudoacacia	Black Locust	14	0.60	0.50	4.20	0	Preserve
1339	Robinia pseudoacacia	Black Locust	7	0.70	0.50	2.45	0	Preserve
1340	Robinia pseudoacacia	Black Locust	10	0.50	0.50	2.50	0	Preserve
1341	Morus rubra	Red Mulberry	17	0.50	0.40	3.40	0	Preserve
1342	Morus rubra	Red Mulberry	10	0.50	0.40	2.00	0	Preserve
1343	Morus rubra	Red Mulberry	6	0.50	0.40	1.20	0	Preserve
1344	Acer saccharinum	Silver Maple	58	0.70	0.40	16.24	0	Preserve
1345	Morus rubra	Red Mulberry	6	0.50	0.40	1.20	0	Preserve
1347	Juniperus virginiana	Eastern Redcedar	9	0.60	0.70	3.78	0	Preserve
1348	Juniperus virginiana	Eastern Redcedar	8	0.40	0.70	2.24	0	Preserve
1349	Morus rubra	Red Mulberry	6	0.50	0.40	1.20	0	Preserve
1350	Betula nigra	River Birch	12	0.80	0.70	6.72	0	Preserve
1351	Acer saccharinum	Silver Maple	64	0.70	0.70	31.36	0	Preserve
1352	Cladrastis kentuckea	Yellowwood	8	0.80	0.80	5.12	0	Preserve
1353	Acer rubrum	Red Maple	5	0.80	0.70	2.80	1	Remove
1354	Liquidambar styraciflua	Sweetgum	9	0.70	0.60	3.78	1	Remove
1355	Juglans nigra	Black Walnut	20	0.70	0.70	9.80	0	Preserve
1356	Acer saccharinum	Silver Maple	54	0.70	0.40	15.12	4	Remove
1357	Acer rubrum	Red Maple	15	0.40	0.70	4.20	0	Preserve
1358	Morus rubra	Red Mulberry	16	0.50	0.40	3.20	1	Remove
1359	Acer rubrum	Red Maple	4	0.80	0.70	2.24	0	Preserve
1360	Liquidambar styraciflua	Sweetgum	7	0.80	0.60	3.36	1	Remove
1361	Amelanchier arborea	Servicberry	4	0.80	0.80	2.56	1	Remove
1363	Acer rubrum	Red Maple	12	0.80	0.70	6.72	2	Remove
1364	Quercus palustris	Pin Oak	13	0.80	0.70	7.28	0	Preserve
1365	Quercus palustris	Pin Oak	30	0.70	0.70	14.70	0	Preserve
1366	Acer saccharinum	Silver Maple	80	0.60	0.40	19.20	0	Preserve
1367	Acer rubrum	Red Maple	18	0.80	0.70	10.08	3	Remove
1368	Acer rubrum	Red Maple	11	0.80	0.70	6.16	2	Remove
1369	Acer rubrum	Red Maple	42	0.60	0.70	17.64	0	Preserve
1370	Morus rubra	Red Mulberry	9	0.60	0.40	2.16	0	Preserve
1371	Robinia pseudoacacia	Black Locust	9	0.50	0.50	2.25	0	Preserve
1372	Morus rubra	Red Mulberry	5	0.40	0.40	0.80	0	Preserve
1373	Pinus strobus	White Pine	19	0.70	0.50	6.65	0	Preserve
1374	Robinia pseudoacacia	Black Locust	18	0.60	0.50	5.40	0	Preserve
1375	Robinia pseudoacacia	Black Locust	18	0.60	0.50	5.40	0	Preserve
1376	Pinus strobus	White Pine	17	0.80	0.50	6.80	0	Preserve
1377	Quercus phellos	Willow Oak	23	0.80	0.70	12.88	0	Preserve
1378	Acer saccharinum	Silver Maple	48	0.70	0.40	13.44	0	Preserve
1379	Liriodendron tulipifera	Tulip Poplar	10	0.80	0.70	5.60	0	Preserve
1380	Prunus serotina	Black Cherry	4	0.60	0.50	1.20	0	Preserve
1381	Sassafras albidum	Sassafras	5	0.40	0.50	1.00	0	Preserve
1382	Robinia pseudoacacia	Black Locust	17	0.70	0.50	5.95	0	Preserve
1383	Prunus serotina	Black Cherry	34	0.70	0.50	11.90	0	Preserve
1384	Acer rubrum	Red Maple	15	0.60	0.70	6.30	0	Preserve
1385	Prunus serotina	Black Cherry	30	0.60	0.50	9.00	0	Preserve
1387	Quercus palustris	Pin Oak	8	0.70	0.70	3.92	0	Preserve
1388	Acer rubrum	Red Maple	8	0.80	0.70	4.48	0	Preserve
1389	Metasequoia glyptostroboides	Dawn Redwood	6	0.80	0.80	3.84	0	Preserve
1390	Quercus macrocarpa	Dur Oak	10	0.80	0.70	5.60	0	Preserve
1391	Liquidambar styraciflua	Sweetgum	10	0.80	0.60	4.80	0	Preserve
1392	Prunus serotina	Black Cherry	16	0.50	0.50	4.00	1	Remove
1393	Pinus virginiana	Virginia Pine	34	0.60	0.50	10.20	0	Preserve
1394	Morus rubra	Red Mulberry	6	0.50	0.40	1.20	0	Preserve
1395	Prunus serotina	Black Cherry	4	0.60	0.50	1.20	0	Preserve
1396	Morus nigra	Black Mulberry	6	0.40	0.40	0.96	0	Preserve
1397	Prunus serotina	Black Cherry	5	0.50	0.50	1.25	1	Remove
1398	Prunus serotina	Black Cherry	5	0.50	0.50	1.25	1	Remove
1399	Picea abies	Norway Spruce	4	0.70	0.70	1.96	1	Remove
1400	Picea abies	Norway Spruce	5	0.80	0.70	2.80	1	Remove
1401	Prunus serotina	Black Cherry	8	0.70	0.50	2.80	0	Preserve
1402	Acer rubrum	Red Maple	10	0.80	0.70	5.60	0	Preserve
1405	Pinus strobus	White Pine	8	0.70	0.50	2.80	0	Preserve
1406	Pinus strobus	White Pine	9	0.70	0.50	3.15	0	Preserve
1408	Liquidambar styraciflua	Sweetgum	7	0.80	0.60	3.36	0	Preserve

Tag or Tree #	Botanic Name	Common Name	Galiper (DBH)	Condition Rating	Species Rating	Total Rating	Replacements Required	Preserve/Remove
1409	Acer rubrum	Red Maple	6	0.80	0.70	3.36	0	Preserve
1410	Acer rubrum	Red Maple	7	0.80	0.70	3.92	0	Preserve
1411	Pinus strobus	White Pine	10	0.80	0.50	4.00	0	Preserve
1412	Juniperus virginiana	Eastern Redcedar	4	0.80	0.70	2.24	0	Preserve
1413	Picea abies	Norway Spruce	6	0.80	0.70	3.36	0	Preserve
1414	Cornus florida	Flowering Dogwood	5	0.70	0.60	2.10	0	Preserve
1415	Picea abies	Norway Spruce	7	0.80	0.70	3.92	0	Preserve
1416	Picea abies	Norway Spruce	4	0.80	0.70	2.24	0	Preserve
1417	Quercus palustris	Pin Oak	8	0.80	0.70	4.48	0	Preserve
1418	Ulmus parvifolia	Lacebark Elm	6	0.80	0.80	3.84	0	Preserve
1419	Ulmus parvifolia	Lacebark Elm	8	0.80	0.80	5.12	0	Preserve
1420	Ulmus parvifolia	Lacebark Elm	9	0.80	0.80	5.76	0	Preserve
1421	Ulmus parvifolia	Lacebark Elm	10	0.80	0.80	6.40	0	Preserve
1422	Ulmus parvifolia	Lacebark Elm	8	0.80	0.80	5.12	0	Preserve
1423	Ulmus parvifolia	Lacebark Elm	6	0.80	0.80	3.84	0	Preserve
1424	Ulmus parvifolia	Lacebark Elm	6	0.80	0.80	3.84	0	Preserve
1425	Quercus phellos	Willow Oak	9	0.80	0.70	5.04	0	Preserve
1426	Quercus phellos	Willow Oak	9	0.80	0.70	5.04	0	Preserve
1427	Quercus phellos	Willow Oak	10	0.80	0.70	5.60	0	Preserve
1428	Quercus phellos	Willow Oak	14	0.80	0.70	7.84	0	Preserve
1429	Quercus phellos	Willow Oak	13	0.80	0.70	7.28	0	Preserve
1430	Quercus phellos	Willow Oak	11	0.80	0.70	6.16	0	Preserve
1431	Quercus phellos	Willow Oak	8	0.80	0.70	4.48	0	Preserve
1432	Acer saccharum	Silver Maple	36	0.70	0.40	10.08	0	Preserve
1433	Liquidambar styraciflua	Sweetgum	9	0.80	0.60	4.32	0	Preserve
1434	Ulmus americana	American Elm	12	0.70	0.60	5.04	0	Preserve
1435	Nyssa sylvatica	Black Gum	15	0.40	0.80	4.80	0	Preserve
1436	Prunus serotina	Black Cherry	10	0.60	0.50	3.00	0	Preserve
1437	Picea pungens	Blue Spruce	12	0.60	0.70	5.04	0	Preserve
1438	Pinus strobus	White Pine	25	0.60	0.50	7.50	0	Preserve
1439	Picea abies	Norway Spruce	6	0.80	0.70	3.36	0	Preserve
1440	Salix babylonica	Weeping Willow	10	0.80	0.50	4.00	0	Preserve
1441	Salix babylonica	Weeping Willow	4	0.80	0.50	1.60	1	Remove
1442	Quercus palustris	Pin Oak	18	0.70	0.70	8.82	0	Preserve
1443	Ilex cornuta	Chinese Holly	4	0.80	0.70	2.24	1	Remove
1444	Cupressocyparis leylandii	Leyland Cypress	4	0.80	0.70	2.24	1	Remove
1445	Morus nigra	Black Mulberry	14	0.70	0.40	3.92	1	Remove
1446	Cupressocyparis leylandii	Leyland Cypress	6	0.80	0.70	3.36	1	Remove
1447	Cupressocyparis leylandii	Leyland Cypress	4	0.80	0.70	2.24	1	Remove
1448	Prunus serotina	Black Cherry	10	0.20	0.50	1.00	0	Preserve
1450	Sassafras albidum	Sassafras	3	0.40	0.50	0.60	0	Preserve
1451	Sassafras albidum	Sassafras	5	0.40	0.50	1.00	0	Preserve
1452	Sassafras albidum	Sassafras	5	0.40	0.50	1.00	0	Preserve
1453	Sassafras albidum	Sassafras	5	0.40	0.50	1.00	0	Preserve
1454	Pyrus calleryana	Bradford Pear	7	0.60	0.40	1.68	0	Preserve
1455	Morus nigra	Black Mulberry	4	0.50	0.40	0.80	1	Remove
1456	Pyrus calleryana	Bradford Pear	8	0.70	0.40	2.24	0	Preserve
1457	Morus rubra	Red Mulberry	3	0.50	0.40	0.60	1	Remove
1458	Morus rubra	Red Mulberry	5	0.50	0.40	1.00	1	Remove
1459	Quercus phellos	Willow Oak	22	0.80	0.70	12.32	0	Preserve
1460	Quercus phellos	Willow Oak	16	0.80	0.70	8.96	0	Preserve
1461	Quercus phellos	Willow Oak	17	0.80	0.70	9.52	0	Preserve
1462	Gymnocladus dioica	Kentucky Coffeetree	23	0.70	0.70	11.27	0	Preserve
1463	Ilex opaca	American Holly	8	0.70	0.70	3.92	0	Preserve
1464	Taxus sp.	Yew	6	0.60	0.50	1.80	0	Preserve
1465	Taxus sp.	Yew	4	0.60	0.50	1.20	0	Preserve
1466	Taxus sp.	Yew	6	0.60	0.50	1.80	0	Preserve
1467	Acer saccharum	Sugar Maple	19	0.60	0.70	7.98	0	Preserve
1468	Prunus Kwanzan	Kwanzan Cherry	5	0.80	0.60	2.40	0	Preserve
1469	Ginkgo biloba	Ginkgo	4	0.70	0.70	1.96	0	Preserve
1470	Cercis canadensis	Redbud	5	0.70	0.60	2.10	0	Preserve
1471	Ilex opaca	American Holly	5	0.70	0.70	2.45	0	Preserve
1472	Acer saccharum	Silver Maple	36	0.70	0.40	10.08	0	Preserve
1473	Robinia pseudoacacia	Black Locust	36	0.60	0.50	10.80	0	Preserve
1474	Prunus serotina	Black Cherry	16	0.60	0.50	4.80	0	Preserve
1475	Ostrya virginiana	American Hophornbeam	3	0.80	0.80	1.92	0	Preserve
1476	Ostrya virginiana	American Hophornbeam	6	0.80	0.80	3.84	0	Preserve
1477	Quercus stellata	Post Oak	6	0.70	0.70	2.94	0	Preserve
1478	Acer pennsylvanicum	Striped Maple	15	0.70	0.70	7.35	0	Preserve
1479	Lagerstromia indica	Crape Myrtle	6	0.80	0.80	3.84	0	Preserve
1480	Acer saccharum	Silver Maple	62	0.70	0.40	17.36	0	Preserve
1481	Juniperus virginiana	Eastern Redcedar	10	0.60	0.70	4.20	0	Preserve
1482	Juniperus virginiana	Eastern Redcedar	11	0.60	0.70	4.62	0	Preserve
1483	Juniperus virginiana	Eastern Redcedar	4	0.60	0.70	1.68	0	Preserve
1484	Juniperus virginiana	Eastern Redcedar	4	0.60	0.70	1.68	0	Preserve
1485	Quercus palustris	Pin Oak	36	0.70	0.70	17.64	0	Preserve
1486	Ilex opaca	American Holly	14	0.70	0.70	6.86	0	Preserve
1487	Ilex opaca	American Holly	10	0.60	0.70	4.20	0	Preserve
1488	Lagerstromia indica	Crape Myrtle	4	0.80	0.80	2.56	0	Preserve
1489	Prunus Kwanzan	Kwanzan Cherry	10	0.70	0.60	4.20	0	Preserve
1490	Lagerstromia indica	Crape Myrtle	5	0.80	0.80	3.20	0	Preserve
1492	Ostrya virginiana	American Hophornbeam	5	0.70	0.80	2.80	0	Preserve
1493	Quercus palustris	Pin Oak	18	0.80	0.70	10.08	0	Preserve
1494	Ilex opaca	American Holly	5	0.50	0.70	1.75	0	Preserve
1495	Morus rubra	Red Mulberry	5	0.50	0.40	1.00	0	Preserve
1497	Morus rubra	Red Mulberry	4	0.40	0.40	0.64	0	Preserve
1498	Morus rubra	Red Mulberry	6	0.40	0.40	0.96	0	Preserve
1499	Morus rubra	Red Mulberry	5	0.50	0.40	1.00	0	Preserve
1500	Prunus Kwanzan	Kwanzan Cherry	5	0.80	0.60	2.40	0	Preserve
7432	Cornus mas	Comelian Cherry	3	0.80	0.80	1.92	1	Remove
7434	Liquidambar styraciflua	Sweetgum	6	0.80	0.60	2.88	1	Remove
7435	Acer rubrum	Red Maple	3	0.80	0.70	1.68	1	Remove
7438	Acer rubrum	Red Maple	4	0.80	0.70	2.24	1	Remove
7442	Liquidambar styraciflua	Sweetgum	8	0.80	0.60	3.84	1	Remove
7443	Liquidambar styraciflua	Sweetgum	6	0.80	0.60	2.88	1	Remove

TOTAL TREE REPLACEMENTS: 38

Notes:

1. Condition Rating based on formula provided by the Guide for Plant Appraisal published by the ISA.
2. Species Rating based on formula provided by the Guide for Plant Appraisal published by the ISA.
3. All trees with a minimum 3" D.B.H. were inventoried and rated.
4. Trees 3"-10" DBH are automatically replaced at a rate of one for one.
5. *Trees are to be removed under a separate application.
6. The developer agrees to make a contribution to the County's Tree Canopy Fund of at least \$2,400 per tree, or a greater amount if the contribution policy changes at the time of payment, for every tree that cannot be planted onsite. The contribution shall be required when tree planting requirements cannot be met on the property. The payment shall be delivered to the Department of Parks and Recreation Office prior to the issuance of the Excavation/Sheeting and Shoring Permit.