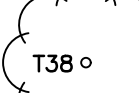
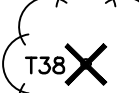


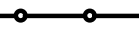
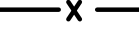




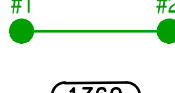




**LEGEND**

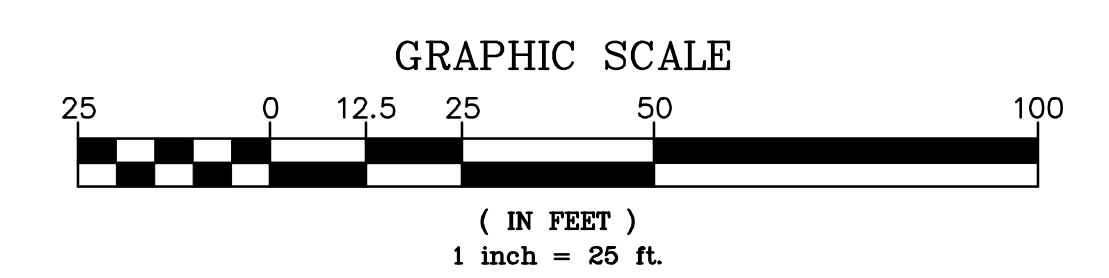
-  EXISTING TREE TO BE PRESERVED
-  EXISTING TREE TO BE REMOVED
-  EXISTING CRITICAL ROOT ZONE
-  LIMITS OF DISTURBANCE
-  SAF SAFETY FENCE (TREE PROTECTION)
-  SF SILT FENCE
-  RP ROOT PRUNE
-  PROPOSED STORM DRAIN CENTERLINE STAKE LOCATIONS
-  PROPOSED LIMITS OF DISTURBANCE STAKE LOCATIONS
-  PROPOSED SIDEWALK CENTERLINE STAKE LOCATIONS
-  PROPOSED EDGE OF PLAYGROUND STAKE LOCATIONS
-  PROPOSED BUILDING CORNER & ELM TREE LOCATIONS
-  EXISTING TREES OF INTEREST

**SIDEWALK STAKE ELEVATION SUMMARY**

STAKE #1 EXISTING ELEVATION: 284.50 STAKE #1 PROPOSED ELEVATION: 284.50 CONDITION: NONE	STAKE #12 EXISTING ELEVATION: 273.40 STAKE #12 PROPOSED ELEVATION: 274.60 CONDITION: 1.20' FILL
STAKE #2 EXISTING ELEVATION: 285.00 STAKE #2 PROPOSED ELEVATION: 282.90 CONDITION: 2.10' CUT	STAKE #13 EXISTING ELEVATION: 274.25 STAKE #13 PROPOSED ELEVATION: 274.25 CONDITION: NONE
STAKE #3 EXISTING ELEVATION: 283.70 STAKE #3 PROPOSED ELEVATION: 281.40 CONDITION: 2.30' CUT	STAKE #14 EXISTING ELEVATION: 273.00 STAKE #14 PROPOSED ELEVATION: 273.00 CONDITION: NONE
STAKE #4 EXISTING ELEVATION: 283.00 STAKE #4 PROPOSED ELEVATION: 280.20 CONDITION: 2.80' CUT	STAKE #15 EXISTING ELEVATION: 275.15 STAKE #15 PROPOSED ELEVATION: 274.50 CONDITION: 0.65' CUT
STAKE #5 EXISTING ELEVATION: 280.50 STAKE #5 PROPOSED ELEVATION: 278.80 CONDITION: 1.70' CUT	STAKE #16 EXISTING ELEVATION: 275.60 STAKE #16 PROPOSED ELEVATION: 275.40 CONDITION: 0.20' CUT
STAKE #6 EXISTING ELEVATION: 276.80 STAKE #6 PROPOSED ELEVATION: 277.25 CONDITION: 0.45' FILL	STAKE #17 EXISTING ELEVATION: 276.20 STAKE #17 PROPOSED ELEVATION: 276.40 CONDITION: 0.20' FILL
STAKE #7 EXISTING ELEVATION: 274.50 STAKE #7 PROPOSED ELEVATION: 276.55 CONDITION: 2.05' FILL	STAKE #18 EXISTING ELEVATION: 276.25 STAKE #18 PROPOSED ELEVATION: 276.40 CONDITION: 0.15' FILL
STAKE #8 EXISTING ELEVATION: 273.30 STAKE #8 PROPOSED ELEVATION: 275.20 CONDITION: 1.90' FILL	STAKE #19 EXISTING ELEVATION: 276.00 STAKE #19 PROPOSED ELEVATION: 275.60 CONDITION: 0.40' CUT
STAKE #9 EXISTING ELEVATION: 274.60 STAKE #9 PROPOSED ELEVATION: 275.00 CONDITION: 0.40' FILL	STAKE #20 EXISTING ELEVATION: 276.25 STAKE #20 PROPOSED ELEVATION: 275.85 CONDITION: 0.40' CUT
STAKE #10 EXISTING ELEVATION: 277.90 STAKE #10 PROPOSED ELEVATION: 277.15 CONDITION: 0.75' CUT	STAKE #21 EXISTING ELEVATION: 276.60 STAKE #21 PROPOSED ELEVATION: 275.00 CONDITION: 1.60' CUT
STAKE #11 EXISTING ELEVATION: 281.00 STAKE #11 PROPOSED ELEVATION: 276.70 CONDITION: 4.30' CUT	STAKE #22 EXISTING ELEVATION: 275.90 STAKE #22 PROPOSED ELEVATION: 275.15 CONDITION: 0.75' CUT

**PLAYGROUND STAKE ELEVATION SUMMARY**

STAKE #1 EXISTING ELEVATION: 278.75 STAKE #1 PROPOSED ELEVATION: 275.00 CONDITION: 3.75' CUT	STAKE #4 EXISTING ELEVATION: 274.90 STAKE #4 PROPOSED ELEVATION: 274.75 CONDITION: 0.15' CUT
STAKE #2 EXISTING ELEVATION: 281.00 STAKE #2 PROPOSED ELEVATION: 274.75 CONDITION: 6.25' CUT	STAKE #5 EXISTING ELEVATION: 276.10 STAKE #5 PROPOSED ELEVATION: 275.00 CONDITION: 1.10' CUT
STAKE #3 EXISTING ELEVATION: 278.00 STAKE #3 PROPOSED ELEVATION: 274.75 CONDITION: 3.25' CUT	



PROPERTY OF  
**COUNTY SCHOOL BOARD OF  
 ARLINGTON COUNTY, VIRGINIA**  
 D.B. 246 PG. 390, D.B. 410 PG. 358,  
 D.B. 489 PG. 237, D.B. 493 PG. 358,  
 D.B. 807 PG. 288, D.B. 1598 PG. 366,  
 AND D.B. 1658 PG. 97  
 RPC 10-022-030  
 ZONE: S-3A

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 13461 Sunrise Valley Drive, Suite 500 Fax: (703) 481-9720  
 Herndon, Virginia 20171  
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ARLINGTON COUNTY, VIRGINIA  
 DEPARTMENT OF ENVIRONMENTAL SERVICES

TREE STAKING EXHIBIT  
 WALTER REED SCHOOL  
 CIVIL ENGINEERING PLAN  
 1644 N. MCKINLEY ROAD  
 ARLINGTON, VIRGINIA 22205  
 USE PERMIT AMENDMENT #U-3175-07-1

SCALE: 1" = 25' SHEET 1 OF 2

Cadd file name: P:\V40001 - APS New Elementary School at Reed Site\Planning\Engineering\Staking\Exhibit\40001-0-00-001-FREE STAKING EXHIBIT.dwg

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-461GA)

Tag or Tree #	Botanic Name	Common Name	Caliper (DBH)	Condition Rating	Species Rating	Total Rating	Replacements Required	Preserve/Remove
300	Prunus Kwanzan	Kwanzan Cherry	6	0.70	0.60	2.52	0	Preserve
301	Zelkova serrata	Japanese Zelkova	5	0.80	0.70	2.80	0	Preserve
302	Zelkova serrata	Japanese Zelkova	6	0.80	0.70	3.36	0	Preserve
303	Zelkova serrata	Japanese Zelkova	7	0.80	0.70	3.92	0	Preserve
304	Zelkova serrata	Japanese Zelkova	8	0.70	0.70	3.92	0	Preserve
305	Zelkova serrata	Japanese Zelkova	6	0.80	0.70	3.36	0	Preserve
306	Quercus palustris	Pin Oak	8	0.80	0.70	4.48	1	Remove
307	Quercus palustris	Pin Oak	7	0.80	0.70	3.92	1	Remove
308	Acer pennsylvanicum	Striped Maple	20	0.80	0.70	11.20	0	Preserve
309	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 saccharum	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
320	Juniperus virginiana	Eastern Redcedar	20	0.70	0.70	9.80	0	Preserve
321	Juglans nigra	Black Walnut	37	0.70	0.70	18.13	0	Preserve
322	Juniperus virginiana	Eastern Redcedar	12	0.70	0.70	5.88	0	Preserve
323	Ulmus americana	American Elm	20	0.60	0.60	7.20	0	Preserve
324	Juniperus virginiana	Eastern Redcedar	12	0.70	0.70	5.88	0	Preserve
325	Juniperus virginiana	Eastern Redcedar	9	0.70	0.70	4.41	0	Preserve
326	Juniperus virginiana	Eastern Redcedar	11	0.70	0.70	5.39	0	Preserve
327	Juglans nigra	Black Walnut	27	0.70	0.70	13.23	0	Preserve
328	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 saccharum	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	1	Remove
1348	Juniperus virginiana	Eastern Redcedar	8	0.40	0.70	2.24	1	Remove
1349	Morus rubra	Red Mulberry	6	0.50	0.40	1.20	1	Remove
1350	Betula nigra	River Birch	12	0.80	0.70	6.72	0	Preserve
1351	Acer saccharum	Silver Maple	64	0.70	0.70	31.36	0	Preserve
1352	Cladraba kentuckica	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 saccharum	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	1	Remove
360	Liquidambar styraciflua	Sweetgum	7	0.80	0.60	3.36	1	Remove
361	Amelanchier arborea	Serviceberry	4	0.80	0.80	2.56	1	Remove
363	Acer rubrum	Red Maple	12	0.80	0.70	6.72	2	Remove
364	Quercus palustris	Pin Oak	18	0.80	0.70	9.72	0	Preserve
365	Quercus palustris	Pin Oak	6	0.70	0.70	1.40	0	Preserve
366	Acer saccharum	Silver Maple	80	0.60	0.40	19.20	0	Preserve
367	Acer rubrum	Red Maple	18	0.80	0.70	10.08	3	Remove
368	Acer rubrum	Red Maple	10	0.80	0.70	5.60	1	Remove
369	Acer rubrum	Red Maple	42	0.60	0.70	17.64	4	Remove
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 saccharum	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
380	Prunus serotina	Black Cherry	4	0.60	0.50	1.20	0	Preserve
381	Sassafras albidum	Sassafras	5	0.40	0.50	1.00	0	Preserve
382	Robinia pseudoacacia	Black Locust	17	0.70	0.50	5.95	0	Preserve
383	Prunus serotina	Black Cherry	34	0.70	0.50	11.90	0	Preserve
384	Acer rubrum	Red Maple	15	0.60	0.70	6.30	0	Preserve
385	Prunus serotina	Black Cherry	30	0.60	0.50	9.00	0	Preserve
387	Quercus palustris	Pin Oak	8	0.70	0.70	3.92	0	Preserve
388	Acer rubrum	Red Maple	8	0.80	0.70	4.48	0	Preserve
389	Metasequoia alptocastroidea	Dawn Redwood	6	0.80	0.80	3.84	0	Preserve
1390	Quercus macrocarpa	Burr 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	0	Preserve
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	1	Remove
1396	Morus rubra	Black Mulberry	6	0.40	0.40	0.96	1	Remove
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 alberta	Nonway Spruce	4	0.70	0.70	1.96	1	Remove
400	Picea alberta	Nonway Spruce	5	0.80	0.70	2.80	1	Remove
401	Prunus serotina	Black Cherry	8	0.70	0.50	2.80	1	Remove
402	Acer rubrum	Red Maple	10	0.80	0.70	5.60	0	Preserve
405	Pinus strobus	White Pine	8	0.70	0.50	2.80	0	Preserve
406	Pinus strobus	White Pine	9	0.70	0.50	3.15	0	Preserve
408	Liquidambar styraciflua	Sweetgum	7	0.80	0.60	3.36	0	Preserve
409	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

Tag or Tree #	Botanic Name	Common Name	Caliper (DBH)	Condition Rating	Species Rating	Total Rating	Replacements Required	Preserve/Remove
1415	Picea alberta	Norway Spruce	7	0.80	0.70	3.92	0	Preserve
1416	Picea alberta	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 alberta	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	10	0.80	0.50	4.00	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 rubra	Black Mulberry	14	0.70	0.40	3.92	0	Preserve
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
1449	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 rubra	Black Mulberry	4	0.50	0.40	0.80	0	Preserve
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</					