

**EXISTING TREE INVENTORY**

Field Tag ID	DBH (Diameter at 4.5 feet above grade)	Common Name	Condition Rating %	Condition Rating	CRZ (Critical Zone (Radius In Feet))	Recommended Preservation Measures			Remarks
						Removal	Root Prune	Tree Protection Fencing	
1	12	Eastern Redbud	55	Poor	18				On-Site, no affected for the construction
2	28	Elm	65	Fair	42			X	Off-site tree, no impact of construction
3	14	White Cedar	70	Fair	21			X	Off-site tree, no impact of construction
4	8	White Cedar	70	Fair	12			X	Off-site tree, no impact of construction
5	22	White Cedar	75	Fair	33			X	Off-site tree, no impact of construction
6	8	Dogwood	70	Fair	12		X	X	Save, Provide Tree protection measure
7	10,14	Japanese Maple	75	Fair	25	X			Remove, Does not survive construction
8	18	Swamp Oak	70	Fair	27		X	X	Save, Provide Tree protection measure
9	20	Swamp Oak	70	Fair	30		X	X	Save, Provide Tree protection measure
10	22	Swamp Oak	70	Fair	33		X	X	Save, Provide Tree protection measure
11	5	Dogwood	65	Fair	7.5		X	X	Save, Provide Tree protection measure
12	18	Swamp Oak	70	Fair	27	X			Remove, Does not survive construction
13	18	Swamp Oak	70	Fair	27		X	X	Save, Provide Tree protection measure
14	25	White Cedar	70	Fair	37.5			X	Off-site tree, no impact of construction
15	12	Cherry	60	Poor	18		X	X	Save, Provide Tree protection measure
16	24	Walnut	70	Fair	36	X			Remove, Does not survive construction
17	12	Honeysuckle	75	Fair	18				Save, no impact of construction
18	10	Honeysuckle	70	Fair	15				Save, no impact of construction
19	8	Catalpa	65	Fair	12				Save, no impact of construction
20	26	Walnut	75	Fair	39			X	Save, Provide Tree protection measure
21	14	Sugar Maple	55	Poor	21		X	X	Save, Provide Tree protection measure
22	22	Lawson's Cypress	65	Fair	33	X			Remove, Does not survive construction
23	18	Lawson's Cypress	55	Poor	27	X			Remove, Does not survive construction
24	18	Lawson's Cypress	60	Poor	27	X			Remove, Does not survive construction
25	28	Lawson's Cypress	75	Fair	42		X	X	Off-site tree, provide tree protection measure
26	20	Lawson's Cypress	70	Fair	30		X	X	Off-site tree, provide tree protection measure
27	10	Honeysuckle	60	Poor	15		X	X	Off-site tree, provide tree protection measure
28	8	Honeysuckle	70	Fair	12		X	X	Off-site tree, provide tree protection measure
29	12	American Holly	75	Fair	18		X	X	Off-site tree, provide tree protection measure
30	8	Dead Tree	0	Poor	12				Off-site tree, no impact of construction
31	28	Deodar Cedar	75	Fair	42			X	Off-site tree, no impact of construction
32	10	Eastern Redbud	60	Poor	15			X	Off-site tree, no impact of construction
33	28	Dead Tree	0	Poor	42			X	Off-site tree, provide tree protection measure
34	10,16,18	Hickory Cypress	70	Fair	39				Off-site tree, no impact of construction
35	16	Hickory Cypress	70	Fair	24				Off-site tree, no impact of construction
36	14	Hickory Cypress	70	Fair	21				On-site tree, no impact of construction
37	18	Hickory Cypress	70	Fair	27		X	X	Off-site tree, provide tree protection measure
38	22	Hickory Cypress	70	Fair	33		X	X	Off-site tree, provide tree protection measure
39	32	Pin Oak	70	Fair	48			X	Off-site tree, no impact of construction
40	25	Pin Oak	60	Poor	37.5				On-site tree, no impact of construction
41	12	Red Mulberry	60	Poor	18				On-site tree, no impact of construction
42	18	Pin Oak	60	Poor	27			X	Off-site tree, no impact of construction
43	16	Sassafras	65	Fair	24			X	Off-site tree, no impact of construction
44	10	Sassafras	65	Fair	15			X	Off-site tree, no impact of construction
45	18	Sassafras	55	Poor	27			X	Off-site tree, no impact of construction
46	12	Dead Tree	0	Poor	18			X	Off-site tree, no impact of construction
47	16	Red cedar	75	Fair	24				On-site tree, no impact of construction
48	38	Pin Oak	75	Fair	57				On-site tree, no impact of construction
49	18	Lawson's Cypress	70	Fair	27				On-site tree, no impact of construction
50	25	Black Locust	50	Poor	37.5			X	Off-site tree, no impact of construction
51	14	Black Pear	75	Fair	21				On-site tree, no impact of construction
52	25	Black Locust	65	Fair	37.5		X	X	Save, Provide Tree protection measure
53	6	Black Locust	75	Fair	9				On-site tree, no impact of construction
54	12	Red Maple	75	Fair	18			X	Off-site tree, no impact of construction
55	45	Walnut	75	Fair	67.5	X			Remove, Does not survive construction
56	45	Walnut	70	Fair	67.5	X			Remove, Does not survive construction
57	8	Norway Spruce	80	Good	12	X			Remove, Does not survive construction
58	6	Dogwood	70	Fair	9	X			Remove, Does not survive construction
59	25	Walnut	70	Fair	37.5	X			Off-site tree, no impact of construction
60	18	Norway Spruce	70	Fair	27		X	X	Save, Provide Tree protection measure
61	10	Cedar	65	Fair	15		X	X	Save, Provide Tree protection measure
62	8,2	Eastern Redbud	65	Fair	12	X			Remove, Does not survive construction
63	12	Cedar	65	Fair	18		X	X	Off-site tree, provide tree protection measure
64	8	Cedar	60	Poor	12		X	X	Off-site tree, provide tree protection measure
65	10	Cedar	70	Fair	15		X	X	Off-site tree, provide tree protection measure
66	14	Cedar	55	Poor	21		X	X	Off-site tree, provide tree protection measure
67	14,4	Cedar	55	Poor	21		X	X	Off-site tree, provide tree protection measure
68	15	Black Pear	65	Fair	22.5		X	X	Off-site tree, provide tree protection measure
69	14	Magnolia	80	Good	21		X	X	Save, Provide Tree protection measure
70	18	Magnolia	75	Fair	27	X			Remove, Does not survive construction
71	24	Magnolia	80	Good	36	X			Remove, Does not survive construction
72	18	Black Pear	75	Fair	27	X			Remove, Does not survive construction
73	28	Chestnut	75	Fair	42		X	X	Save, Provide Tree protection measure
74	25	Red Maple	70	Fair	37.5	X			Remove, Does not survive construction
75	18	Japanese Cedar	80	Good	27		X	X	Save, Provide Tree protection measure
76	16	Japanese Cedar	70	Fair	24		X	X	Save, Provide Tree protection measure
77	14	Japanese Cedar	70	Fair	21		X	X	Save, Provide Tree protection measure
78	22	Cherry	70	Fair	33		X	X	Save, Provide Tree protection measure
79	25	Sawtooth Oak	65	Fair	37.5		X	X	Save, Provide Tree protection measure
80	22	Sawtooth Oak	70	Fair	33		X	X	Save, Provide Tree protection measure
81	26	Red maple	75	Fair	39	X			Remove, Does not survive construction
82	12	American Holly	80	Good	18	X			Remove, Does not survive construction
83	8	American Holly	80	Good	12	X			Remove, Does not survive construction

CONDITION SCALE	
POOR CONDITION	≤ 60
FAIR CONDITION	60 - 79
GOOD CONDITION	80 - 100

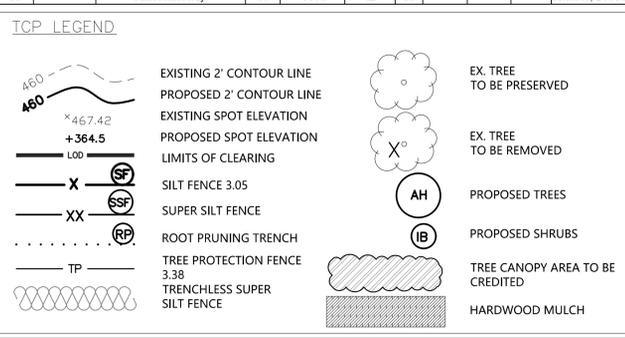
**TREE COVER COMPUTATIONS**

DESCRIPTION	AREA (SF)	PERCENTAGE	STATUS
SITE AREA	49116 SF OR	1.128 AC	
% OF TREE COVERED REQUIRED	20% OF THE SITE AREA		
TOTAL AREA OF THE TREE REQUIRED	9823 SF OR	0.2255 AC	
TREE FROM PRESERVATIONS (EXISTING TREE)	22022 SF OR	0.5056 AC	
25% CREDIT FROM SAVED EXISTING TREES	5506 SF OR	0.1264 AC	
TREE FROM LANDSCAPING	400 SF OR	0.0092 AC	
		0.0000 AC	
<b>TOTAL TREE COVER PROVIDED</b>	<b>27928 SF OR</b>	<b>0.6411 AC</b>	
<b>TOTAL TREE COVER PROVIDED &gt; REQUIRED, [OK]</b>			
<b>27,928 SF &gt; 9,823 SF</b>			

**PROPOSED TREE INVENTORY**

KEY	BOTANICAL NAME	COMMON NAME	QTY	STOCK SIZE (HT/CALIPER)	10-YR TREE CANOPY (SF)	TREE CANOPY SUB-TOTAL (SF)
WC	THUJA OCCIDENTALIS	WHITE CEDAR	4	2" CALIPER	100	400
						<b>SUB-TOTAL= 400 SF</b>

- NOTES:**
- THE USE OF HEAVY EQUIPMENT IS STRICTLY PROHIBITED WITHIN TREE PRESERVATION AREAS, INCLUDING FOR THE PURPOSE OF REMOVING UNWANTED TREES, STRUCTURES, PADS, GRADING, SODDING, ETC. ANY STRUCTURE WITHIN THE TREE PRESERVATION AREA SHALL BE REMOVED BY HAND.
  - ALL AREAS DELINEATED AS TREE PRESERVATION AREAS SHALL BE LEFT IN THEIR ORIGINAL CONDITION THROUGHOUT THE ENTIRE CONSTRUCTION PERIOD. FAILURE TO DO SO WILL RESULT IN DENIAL OF THE OCCUPANCY PERMIT AND REMEDIATION OF THE TREE PRESERVATION AREA WILL BE REQUIRED. REMEDIATION MUST BE DONE AT THE DIRECTION OF A CERTIFIED ARBORIST AND A WRITTEN REPORT COMPLETED BY A CERTIFIED ARBORIST SHALL BE SUBMITTED AND APPROVED BY VIENNA'S URBAN ARBORIST PRIOR TO ANY REMEDIATION ACTIVITIES.
  - AREAS DESIGNATED AS TREE PRESERVATION OR TREE SAVE AREA SHALL BE LEFT IN THE SAME CONDITION AS IT WAS PRE-CONSTRUCTION, IF A CHANGE TO THIS AREA IS TO BE MADE, APPROVAL FROM THE TOV URBAN ARBORIST IS REQUIRED.
  - ANY PROPOSED GRADE CHANGES WITHIN THE TREE SAVE AREA(S) SHALL BE REVIEWED WITH THE TOV URBAN ARBORIST DURING THE PRE-CONSTRUCTION MEETING.



**GeoEnv Engineers**  
 Civil, Environmental & Geotechnical Engineering  
 10875 Main Street, Suite 213  
 Fairfax, VA 22030  
 Tel. 703.591.7170  
 Fax. 703.591.7074  
 Web Site: geoenv.com

**EXISTING TREE INVENTORY AND TREE CONSERVATION PLAN**

**WINDOVER HEIGHTS, BLK 4**  
**288 WINDOVER AVE NW**  
 HUNTER MILL DISTRICT, TOWN OF VIENNA, VA 22180

TAX MAP: 038-3--((02))--0077  
 DATE: OCT 2023  
 PREP. BY: A.V  
 CHECKED BY: D.C  
 PROJECT #: 2023-8071-011  
 SCALE: 1"= 20'  
 SHEET: 8 OF 9