

NATURAL RESOURCE INVENTORY - FSD - GENERAL NOTES

1. TOTAL LOD AREA: APPROXIMATELY 49,000 LF
2. CURRENT ZONING: PARK (PARK ZONE)
3. THE TOPOGRAPHY SHOWN ON THIS PLAN IS FROM FIELD SURVEY (CONDUCTED BY WALLACE MONTGOMERY) WITHIN PROJECT BOUNDARIES & ONLINE GIS ON ADJACENT PROPERTIES
4. THE SOURCE OF SOILS INFORMATION ON THIS PLAN IS FROM THE USDA NRCS WEB SOIL SURVEY (WSS)
5. NO REGULATED 100-YEAR FLOODPLAIN IS LOCATED ON-SITE PER FEMA MAP 2403 I C033 I D, DATED 9/29/2006
6. THE SITE IS LOCATED IN THE UPPER WATTS BRANCH (USE I-P) - MIDDLE POTOMAC - #02 I 40202 WATERSHED
7. NO STREAMS/WETLANDS PRESENT ON SUBJECT SITE, PER ON-SITE INVESTIGATION BY HUMAN & ROHDE, INC. ON DATED OCTOBER 2, 2024
8. NO RARE, THREATENED OR ENDANGERED SPECIES OBSERVED ON THE SUBJECT PROPERTY (AWAITING DNR RESPONSE FOR RTE RECORDS LISTED FOR THE SITE)
9. THE PROJECT SITE IS WITHIN THE WOODLEY GARDENS HISTORIC DISTRICT
10. METHOD USED TO MEASURE TREE DIAMETER: TREES MEASURED USING A TREE DIAMETER TAPE AT 4.5' ABOVE UPHILL GROUNDLINE
11. ABSENCE OR PRESENCE OF STATE/COUNTY CHAMPION TREES: NONE FOUND
12. ABSENCE OR PRESENCE OF SPECIMEN TREES (30" DBH OR GREATER): 1 FOUND ADJACENT SUBJECT PROJECT SITE
13. ABSENCE OR PRESENCE OF FOREST COVER: NO AREAS OF FOREST ARE FOUND WITHIN SUBJECT PROJECT SITE, THREE AREAS OF FOREST ARE ADJACENT THE PROJECT SITE
14. FIELD WORK CONDUCTED BY: MASON CAMPBELL (DNR QUALIFIED PROFESSIONAL / ASLA PLA #4185) & ERIC VANGRIN (DNR QUALIFIED PROFESSIONAL / ISA CERTIFIED ARBORIST MA-5827A)
15. DATE OF FIELD WORK CONDUCTED: OCTOBER 2, 2024

ROW TREE INVENTORY

Number	Genus species	Common Name	dbh	CRZ (ft)	Condition	Remarks
#37	Juglans nigra	black walnut	16.5	25	Good	
#38	Pinus strobus	eastern white pine	15	23	Poor	canopy dieback
#39	Pinus strobus	eastern white pine	18	27	Good	
#40	Pinus strobus	eastern white pine	27	41	Fair	utility clearance

PUBLIC PROPERTY TREE INVENTORY

Number	Genus species	Common Name	dbh	CRZ (ft)	Condition	Remarks
1	Zelkova serrata	Japanese zelkova	15	23	Good	
2	Zelkova serrata	Japanese zelkova	19.5	29	Good	
3	Prunus serrulata "Kwanzan"	Kwanzan Cherry	5.5	8	Good	
4	Quercus rubra	northern red oak	6	9	Good	
5	Prunus serrulata "Kwanzan"	Kwanzan Cherry	4	6	Good	
6	Prunus serrulata "Kwanzan"	Kwanzan Cherry	8	14	Good	
7	Prunus serrulata "Kwanzan"	Kwanzan Cherry	8	12	Good	
8	Prunus serrulata "Kwanzan"	Kwanzan Cherry	9	14	Good	
9	Acer rubrum	red maple	11	17	Good	
10	Prunus serrulata "Kwanzan"	Kwanzan Cherry	9.5	14	Good	twin trunks @ 3'
11	Prunus serrulata "Kwanzan"	Kwanzan Cherry	6	9	Good	multi-trunks @ 3'
12	Tilia cordata	littletleaf linden	18	27	Good	
13	Tilia cordata	littletleaf linden	18	27	Good	
14	Acer rubrum	red maple	9.5	14	Good	
15	Cornus florida	flowering dogwood	4	6	Fair	poor canopy architecture from base of adjacent cherry
16	Cornus florida	flowering dogwood	5	8	Fair	
17	Prunus serotina	black cherry	24	36	Good	
18	Prunus serotina	black cherry	22	33	Good	
19	Prunus serotina	black cherry	16	24	Fair	Basal rot
20	Ficus carica 'Brown Turkey'	Texas everbearing fig	2	3	Good	multistem from ground
21	Ostrya virginiana	Eastern hop-hornbeam	7	11	Good	
22	Prunus serotina	black cherry	17	26	Good	twin trunks
23	Prunus serotina	black cherry	20	30	Good	
24	Cornus florida	flowering dogwood	5	8	Good	twin trunks
25	Prunus serotina	black cherry	25.5	38	Good	
26	Juniperus virginiana	eastern redcedar	7	11	Poor	trunk cut during vine removal
27	Juglans nigra	black walnut	13	20	Good	
28	Malus fusca	Pacific crabapple	4.5	7	Fair	trunk sprouts
29	Prunus serotina	black cherry	16.5	25	Fair	Basal rot
30	Juglans nigra	black walnut	22	33	Good	
31	Morus alba	white mulberry	8.5	13	Fair	within fencing
32	Ulmus rubra	slippery elm	4	6	Fair	vine removal
33	Prunus serotina	black cherry	15	23	Good	

34	Sassafras albidum	sassafras	9	14	Good	
35	Quercus rubra	northern red oak	25	38	Good	
36	Sassafras albidum	sassafras	8	12	Good	
36	Quercus shumardii	Shumard oak	8	12	Good	
57	Quercus shumardii	Shumard oak	8	12	Good	
58	Gleditsia triacanthos f. inermis	thornless honey-locust	8	12	Good	
59	Acer platanoides	Norway maple	10	15	Good	
60	Acer platanoides	Norway maple	10	15	Good	
61	Acer platanoides	Norway maple	8	12	Good	
62	Acer platanoides	Norway maple	10	15	Good	
63	Gleditsia triacanthos f. inermis	thornless honey-locust	6	9	Good	
64	Quercus shumardii	Shumard oak	5	8	Good	
65	Zelkova serrata	Japanese zelkova	12	18	Good	
66	Zelkova serrata	Japanese zelkova	12	18	Good	
67	Zelkova serrata	Japanese zelkova	10	15	Good	
68	Quercus shumardii	Shumard oak	6	9	Good	
69	Gleditsia triacanthos f. inermis	thornless honey-locust	4	6	Good	
70	Zelkova serrata	Japanese zelkova	15	23	Good	
71	Zelkova serrata	Japanese zelkova	14.5	22	Good	
72	Betula nigra	river birch	8	12	Good	triple trunks
73	Pinus strobus	eastern white pine	37.5	56	Good	multi-trunks @ 4'
74	Quercus palustris	pin oak	28	42	Good	
75	Quercus palustris	pin oak	23.5	35	Good	
76	Picea sp.	spruce	23	35	Good	twin trunks @4.5'

SOILS TABLE

MAP UNIT SYMBOL	MAP UNIT NAME	K - FACTOR	HYDRIC RATING	HYDROLOGIC SOIL GROUP	DRAINAGE CLASS
1C	GAILA SILT LOAM, 0 TO 15 PERCENT SLOPES	0.43	5% HYDRIC COMPONENTS	B	WELL DRAINED
2B	GLENELG SILT LOAM, 3 TO 8 PERCENT SLOPES	0.37	NONE	B	WELL DRAINED
2C	GLENELG SILT LOAM, 0 TO 15 PERCENT SLOPES	0.37	NONE	B	WELL DRAINED

ROCKVILLE SENIOR CENTER ENTRANCE PROJECT

THE CITY OF ROCKVILLE DEPARTMENT OF PUBLIC WORKS IS DESIGNING A NEW ACCESS ROAD TO THE ROCKVILLE SENIOR CENTER PARKING LOT FROM THE INTERSECTION OF WEST GUDE AND PICCARD DRIVES AND MODIFICATIONS TO THE TRAFFIC SIGNAL IN ORDER TO ADD THIS NEW LEG TO THE INTERSECTION. CURRENTLY, THERE IS NO ACCESS TO THE ROCKVILLE SENIOR CENTER FROM WEST GUDE DRIVE.

THE PROJECT CONSISTS OF DESIGN OF THE ROCKVILLE SENIOR CENTER ENTRANCE AND PARKING LOT ACCESS ROAD IN ACCORDANCE WITH THE CITY'S SITE PLAN DEVELOPMENT PROCESS. THIS WILL INCLUDE A NEW DRIVE AISLE ENTRANCE, CURBS AND GUTTERS, PAVEMENT, DRAINAGE, POSSIBLE UTILITY RELOCATION, RIGHT-OF-WAY ACQUISITION, STORMWATER MANAGEMENT, SIDEWALKS, STREET LIGHTING, SIGNAGE AND LANDSCAPING. THE PROJECT WILL ALSO INCLUDE A GATE/BARRIER SYSTEM TO PREVENT CUT-THROUGH TRAFFIC BETWEEN THE NEW WEST GUDE DRIVE ENTRANCE AND THE EXISTING ENTRANCE ON CARNATION DRIVE AND RELOCATION OF A STONE STATUE AND CONCRETE PAD ON THE CENTER'S GROUNDS



SITE VICINITY MAP
SCALE 1" = 2000'

SITE DATA

APPROX. LOD SQUARE FOOTAGE : 49,000 sf

SCHEMATIC FOREST CLEARING : 0 sf

PRIVATE PROPERTY TREE INVENTORY

Number	Genus species	Common Name	dbh	CRZ (ft)	Condition	Remarks
41	Morus alba	white mulberry	9	14	Fair	
42	Prunus serotina	black cherry	18	27	Dead	
43	Morus alba	white mulberry	4	6	Fair	
44	Pinus strobus	eastern white pine	10	15	Fair	
45	Pinus strobus	eastern white pine	10	15	Good	
46	Pinus strobus	eastern white pine	20	30	Good	
47	Pinus strobus	eastern white pine	10	15	Good	
48	Pinus strobus	eastern white pine	8	12	Good	
49	Pinus strobus	eastern white pine	6	9	Fair	
50	Pinus strobus	eastern white pine	10	15	Fair	
51	Pinus strobus	eastern white pine	6	9	Good	
52	Pinus strobus	eastern white pine	8	12	Good	
53	Pinus strobus	eastern white pine	8	12	Good	
54	Pinus strobus	eastern white pine	6	9	Good	
55	Juglans nigra	black walnut	20	30	Fair	

CONDITION NOTE:

CONDITION INDICATES THE CURRENT STATE OF A TREE'S HEALTH, STRUCTURAL SOUNDNESS, OVERALL SHAPE, AND GROWTH RATE. THE CONDITION OF EACH TREE WAS RECORDED IN ONE OF THE FOLLOWING CATEGORIES ADAPTED FROM THE RATING SYSTEM ESTABLISHED BY THE ISA.

GOOD CONDITION CLASS. GENERALLY HEALTHY CONDITION. FORM AND HABIT TYPICAL OF SPECIES. TRUNK IN EXCELLENT CONDITION WITH FORM TYPICAL OF SPECIES. LITTLE OR NO DISTURBANCE TO THE ROOT ZONE OR THE ROOT ZONE HAS BEEN FORMED OVER A PERIOD OF YEARS IN AN URBAN SETTING WITHOUT DISTURBANCE.

FAIR CONDITION CLASS. OVERALL, THE TREE IS HEALTHY AND SATISFACTORY IN CONDITION, VIGOR, AND FORM. THE TREE HAS NO MAJOR STRUCTURAL PROBLEMS, NO MECHANICAL DAMAGE, AND MAY ONLY HAVE INSIGNIFICANT AESTHETIC, INSECT, DISEASE, OR STRUCTURE PROBLEMS. LIMITED AREAS OF DISTURBANCE TO THE ROOT ZONE HAS BEEN FORMED OVER A PERIOD OF YEARS IN AN URBAN/DEVELOPED SETTING WITH SOME MINOR DISTURBANCES.

POOR CONDITION CLASS. GENERALLY POOR CONDITION, WITH SOME MAJOR PROBLEMS NOTED. TRUNK CONDITION IMPAIRED BY ONE OR MORE STRUCTURAL DEFECTS. EXTENSIVE AREAS OF DISTURBANCE TO THE ROOT ZONE OR THE ROOT ZONE HAS BEEN FORMED OVER A PERIOD OF YEAR IN AN URBAN SETTING WITH SOME MAJOR DISTURBANCES.

ARBORIST NOTE:

THE ARBORIST'S OBSERVATIONS ARE BASED ON A STRICTLY VISUAL INSPECTION OF THE TREE, AND SOME HIDDEN OR BURIED SYMPTOMS AND SIGNS MAY NOT HAVE BEEN OBSERVED. THE ARBORIST DID NOT CONDUCT EXCAVATION, CORING, OR AERIAL INSPECTION TO MAKE OBSERVATIONS. THE ANALYSIS IS ONLY BASED ON THE OBSERVATIONS GATHERED AT THE TIME OF INSPECTION. ARBORISTS CANNOT DETECT EVERY CONDITION THAT COULD POSSIBLY LEAD TO STRUCTURAL FAILURE OF A TREE. TREES ARE LIVING ORGANISMS THAT FAIL IN WAYS NOT FULLY UNDERSTOOD. CONDITIONS ARE OFTEN HIDDEN WITHIN TREES AND BELOW GROUND.



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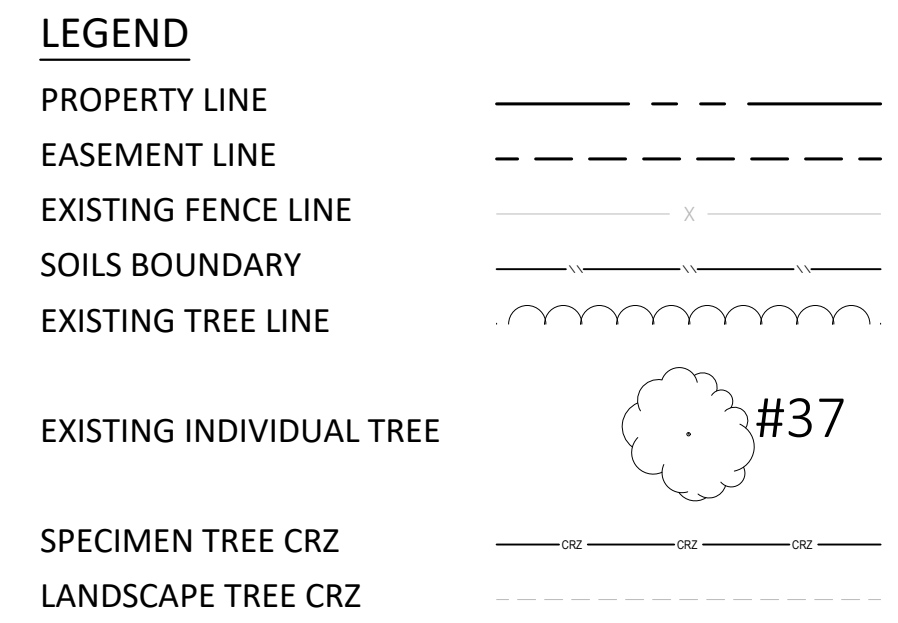
Hunt Valley, Maryland 21030

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A Limited Liability Partnership

DESIGNED _____ D.M.L.	PAV. _____ E.E.V.	SD _____ W&S	SWM _____ OTHER	GRAD. _____ P.V. _____ SD _____ W&S _____ SWM _____ OTHER	APPROVED _____ DATE	DIRECTOR OF PUBLIC WORKS	DEPARTMENT OF PUBLIC WORKS CITY OF ROCKVILLE MARYLAND AT VINSON ROCKVILLE, MARYLAND	DATE PROJECT STARTED _____ DATE PROJECT COMPLETED _____ DATE ACCEPTED BY CITY _____ DATE TRANS. TO FINANCE DEPT.: W/R 9 FORM	AS BUILT COMPLETED _____ DATE	CHIEF INSPECTOR _____ DATE	NATURAL RESOURCE INVENTORY PLAN	ROCKVILLE SENIOR CENTER ENTRANCE 1150 CARNATION DRIVE CITY OF ROCKVILLE, MARYLAND	DATE OCTOBER 2024	SCALE AS SHOWN	DRAWING NO. 1 OF 2	FILE NRI- 1			
													NO.				REVISIONS	APP'D	DATE
													JOB NO.						



I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed landscape architect under the laws of the state of Maryland.

DEVIN LEARY - HUMAN & ROHDE, INC.
410.825.3885
DEVIN@HUMANANDROHDE.COM

License No.: 3693
Expiration Date: 09-16-2026

QUALIFIED PROFESSIONAL CERTIFICATION	
THIS PLAN WAS PREPARED BY ERIC VANGRIN - CERTIFIED ARBORIST - MA-5827A	
	
SIGNED: _____	DATE: 10/16/2024

NO.	REVISIONS	APP'D	DATE
DATE OCTOBER 2024	SCALE	DRAWING	FILE
JOB NO.	1"=30'	NO. <u>2</u> OF <u>2</u>	NRI-

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