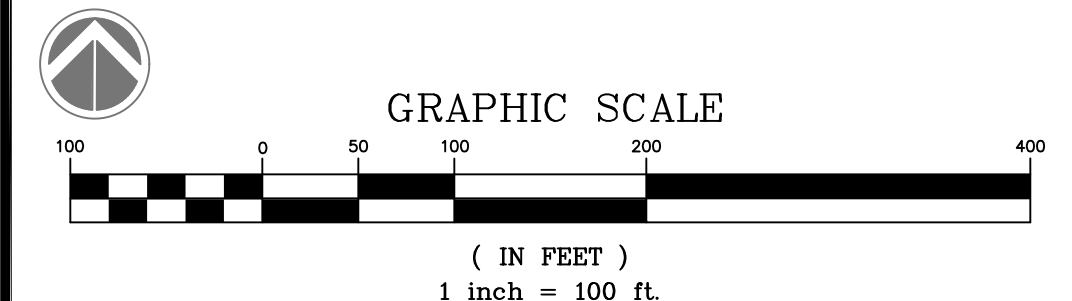


PLANNING DEPARTMENT USE ONLY (E-PLANS)

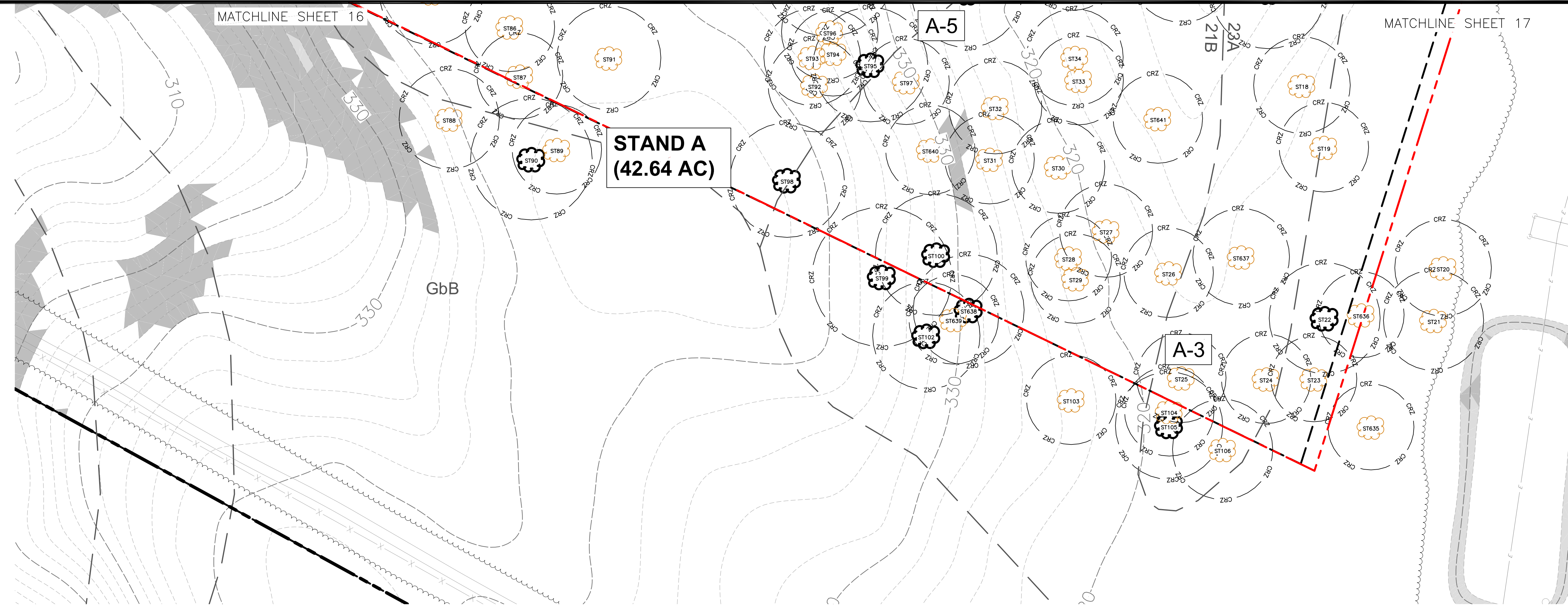
LEGEND

- NRI/FSD STUDY AREA
- TOTAL TRACT AREA
- EXISTING TREELINE
- SOILS BOUNDARY
- MONOCACY RIVER WATERSHED
- POTOMAC RIVER WATERSHED
- STEEP SLOPES 15-25%
- STEEP SLOPES 25% OR GREATER
- SENSITIVE SPECIES PROJECT REVIEW AREA
- HISTORICAL RESOURCE
- EXISTING PERENNIAL STREAM
- EXISTING INTERMITTENT STREAM
- CL APPROXIMATE OFF-SITE STREAM CENTERLINE
- W EXISTING NON-TIDAL WETLAND
- WB 25' WETLAND BUFFER
- SVB STREAM VALLEY BUFFER
- FEMA 100-YEAR FLOODPLAIN
- FOREST STAND BOUNDARY
- APPROX FOREST STAND DATA POINT LOCATION
- SPECIMEN TREE LOCATION WITH CRITICAL ROOT ZONE
- SIGNIFICANT TREE LOCATION WITH CRITICAL ROOT ZONE

NOTE: THE NRI/FSD IS ONLY VALID FOR AREAS WITHIN THE STUDY AREA BOUNDARY. ANY DISTURBANCE OUTSIDE THIS AREA WILL REQUIRE A NEW NRI/FSD



QUALIFIED PROFESSIONAL CERTIFICATION
 THIS PLAN COMPLIES WITH THE CURRENT REQUIREMENTS OF MONTGOMERY COUNTY CODE AND THE ENVIRONMENTAL TECHNICAL MANUAL.
 SIGNED: DATE: 11/29/2023
HALEY KELLY
 WETLAND STUDIES AND SOLUTIONS, INC.
 1131 BENFIELD BOULEVARD, SUITE L
 MILLERSVILLE, MD 21104
 PH: (703) 679-5745 FAX: (410) 672-5993
 E-MAIL: HKELLY@WETLANDS.COM



Tree Tag #	DBH (Inches)	Common Name	Scientific Name	Condition Rating	Condition/Comments
3	32	oak, northern red	<i>Quercus rubra</i>	Fair	Vines
4	33	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Narrow Crown, Large DW (3+)
5A	36	oak, northern red	<i>Quercus rubra</i>	Fair	Full crown, Compacted Soils, Co-dominant Stems, Small Dead Wood, Broken Limbs, Vines
6	34	oak, pin	<i>Quercus palustris</i>	Fair	One Sided, Large DW (3+), Broken Limbs
7	30	oak, pin	<i>Quercus palustris</i>	Good	Full Crown, Small DW (1-2)
8	36	oak, northern red	<i>Quercus rubra</i>	Good	Full Crown, Basal Decay, Small DW (1-2)
9	35	oak, northern red	<i>Quercus rubra</i>	Fair	Large DW (3+), Small DW (1-2), Broken Limbs
11	39	oak, pin	<i>Quercus palustris</i>	Fair	Narrow Crown, Large DW (3+), Broken Limbs, Branch Decay
12	43	oak, pin	<i>Quercus palustris</i>	Fair	Full Crown, Large DW (3+), Small DW (1-2), Broken Limbs
12A	30	maple, silver	<i>Acer saccharinum</i>	Good	Full crown, Large Dead Wood, Small Dead Wood
14A	31	hackberry, common	<i>Celtis occidentalis</i>	Fair	Surface Roots, Large Dead Wood, Small Dead Wood, Broken Limbs
15A	31	oak, southern red	<i>Quercus falcata</i>	Good	Narrow Crown, Small Dead Wood, Broken Limbs, Vines
17	32	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Co-Dominant Stems, Vines
20A	39	hackberry, common	<i>Celtis occidentalis</i>	Poor	Large DW (3+), Small DW (1-2), Vines, Hardware
21A	40	hackberry, common	<i>Celtis occidentalis</i>	Poor	Included Bark/Weak Union, Co-Dominant Stems, Large DW (3+), Small DW (1-2), Broken Limbs, Vines
22	31	oak, southern red	<i>Quercus falcata</i>	Good	Full Crown, Large DW (3+), Broken Limbs, Vines
25A	36	tuliptree	<i>Liriodendron tulipifera</i>	Fair	One Sided, Small DW (1-2), Hardware
36	34	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Trunk Decay, Included Bark/Weak Union, Co-Dominant Stems, Vines
40	46	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown, Large DW (3+)
42	33	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Included Bark/Weak Union, Co-Dominant Stems, Vines
44	30	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown
49	39	oak, northern red	<i>Quercus rubra</i>	Fair	Large DW (3+), Small DW (1-2)
51	38	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown
53	33	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Large DW (3+), Small DW (1-2), Broken Limbs, Vines
63	30	oak, pin	<i>Quercus palustris</i>	Fair	Full Crown, Trunk Decay, Large DW (3+), Small DW (1-2)
68	39	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Included Bark/Weak Union, Co-Dominant Stems, Large DW (3+)
70	31	tuliptree	<i>Liriodendron tulipifera</i>	Good	Large DW (3+)
76	32	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown, Large DW (3+), Broken Limbs
77	39	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown, Large DW (3+), Broken Limbs
79	30	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown
81	37	oak, southern red	<i>Quercus falcata</i>	Fair	Full Crown, Large DW (3+)
83	45	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Included Bark/Weak Union, Co-Dominant Stems, Large DW (3+), Small DW (1-2)
84	34	oak, northern red	<i>Quercus rubra</i>	Fair	Large DW (3+), Small DW (1-2)

*DENOTES OFF-SITE TREE

Tree Tag #	DBH (Inches)	Common Name	Scientific Name	Condition Rating	Condition/Comments
90*	34	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown, Large DW (3+), Small DW (1-2)
95	32	tuliptree	<i>Liriodendron tulipifera</i>	Good	Large DW (3+), Vines
98	32	oak, southern red	<i>Quercus falcata</i>	Good	Full Crown, Large DW (3+), Small DW (1-2), Broken Limbs, Vines
99*	39	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown, Large DW (3+), Small DW (1-2), Broken Limbs, Vines
100	34	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Large DW (3+), Broken Limbs
102*	30	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown
105*	30	sycamore, American	<i>Platanus occidentalis</i>	Good	Full Crown, Large DW (3+), Small DW (1-2)
114	44	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Included Bark/Weak Union, Co-Dominant Stems, Large DW (3+)
115	44	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown, Large DW (3+), Broken Limbs
119	30	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown, Small DW (1-2), Vines
120	34	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Co-Dominant Stems
125	31	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown
127	34	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Small DW (1-2), Vines
132	40	oak, northern red	<i>Quercus rubra</i>	Fair	Large DW (3+), Small DW (1-2), Broken Limbs, Vines
133	34	oak, northern red	<i>Quercus rubra</i>	Good	Full Crown, Small DW (1-2)
135	34	oak, northern red	<i>Quercus rubra</i>	Poor	Large DW (3+), Small DW (1-2), Vines
136	36	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Included Bark/Weak Union, Co-Dominant Stems, Large DW (3+), Vines
137	33	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Small DW (1-2)
138	32	tuliptree	<i>Liriodendron tulipifera</i>	Fair	One Sided, Small DW (1-2)
140	34	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Large DW (3+)
143	32	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Small DW (1-2)
144	35	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Included Bark/Weak Union, Co-Dominant Stems, Small DW (1-2)
149	33	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Narrow Crown, Co-Dominant Stems, Broken Limbs
150	35	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Narrow Crown, One Sided, Co-Dominant Stems, Broken Limbs, Vines
151	38	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Narrow Crown, One Sided, Co-Dominant Stems, Large DW (3+), Broken Limbs, Vines
152	34	tuliptree	<i>Liriodendron tulipifera</i>	Poor	Narrow Crown, One Sided, Suppressed, Co-Dominant Stems, Large DW (3+), Broken Limbs, Vines
153	36	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Mechanical Damage, Large DW (3+), Broken Limbs
154	34	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Basal Decay, Included Bark/Weak Union, Co-Dominant Stems
157	34	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown, Large DW (3+), Small DW (1-2)
160	30	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown
162	32	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Included Bark/Weak Union, Co-Dominant Stems, Vines
165	31	maple, silver	<i>Acer saccharinum</i>	Fair	Full Crown, Co-Dominant Stems, Vines
168	30	cherry, black	<i>Prunus serotina</i>	Poor	Trunk Decay, Co-Dominant Stems, Large DW (3+), Branch Decay
169	36	maple, red	<i>Acer rubrum</i>	Fair	Included Bark/Weak Union, Co-Dominant Stems, Small DW (1-2), Vines
170	36	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Large DW (3+), Small DW (1-2), Vines
173	34	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Large DW (3+), Broken Limbs
175	31	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Included Bark/Weak Union, Co-Dominant Stems, Broken Limbs

Tree Tag #	DBH (Inches)	Common Name	Scientific Name	Condition Rating	Condition/Comments
176	31	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Suppressed, Included Bark/Weak Union, Co-Dominant Stems, Broken Limbs
178	37	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown
180	32	tuliptree	<i>Liriodendron tulipifera</i>	Fair	One Sided, Large DW (3+)
182	38	tuliptree	<i>Liriodendron tulipifera</i>	Poor	One Sided, Included Bark/Weak Union, Co-Dominant Stems
190	33	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown, Large DW (3+)
191	30	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Large DW (3+), Small DW (1-2)
198	53	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown, Large DW (3+), Broken Limbs
199	35	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Suppressed, Large DW (3+), Broken Limbs
301	30	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Large DW (3+), Broken Limbs
302	44	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Large DW (3+), Small DW (1-2), Broken Limbs
303	31	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown, Large DW (3+), Small DW (1-2), Broken Limbs
304	38	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown, Large DW (3+), Small DW (1-2), Broken Limbs
307	30	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown, Large DW (3+)
310	32	sycamore, American	<i>Platanus occidentalis</i>	Good	Full Crown, Large DW (3+), Vines
314	45	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Large DW (3+), Broken Limbs, Branch Decay
316	32	cherry, black	<i>Prunus serotina</i>	Poor	Basal Decay, Large DW (3+), Broken Limbs
317	32	cherry, black	<i>Prunus serotina</i>	Fair	Large DW (3+), Small DW (1-2), Broken Limbs, Vines
318	42	cherry, black	<i>Prunus serotina</i>	Fair	Trunk Decay, Included Bark/Weak Union, Co-Dominant Stems, Mechanical Damage, Large DW (3+), Small DW (1-2), Broken Limbs, Vines
319	33	oak, northern red	<i>Quercus rubra</i>	Fair	One Sided, Vines
320	41	oak, northern red	<i>Quercus rubra</i>	Good	Full Crown, Large DW (3+), Small DW (1-2)
322	36	oak, northern red	<i>Quercus rubra</i>	Fair	Full Crown, Large DW (3+), Small DW (1-2)
331	49	tuliptree	<i>Liriodendron tulipifera</i>	Poor	Trunk Decay, Branch Decay
332	32	sycamore, American	<i>Platanus occidentalis</i>	Good	Full Crown, Vines
334	31	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Vines
336	45	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Vines
337	33	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Broken Limbs, Vines
338	30	tuliptree	<i>Liriodendron tulipifera</i>	Good	Full Crown, Broken Limbs, Vines
339	34	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Co-Dominant Stems
343	30	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Full Crown, Large DW (3+), Small DW (1-2)
347	31	oak, northern red	<i>Quercus rubra</i>	Fair	One Sided, Vines
351	39	elm, American	<i>Ulmus americana</i>	Good	Full Crown, Large DW (3+), Broken Limbs, Vines
354	32	oak, northern red	<i>Quercus rubra</i>	Fair	Full Crown, Large DW (3+), Vines
355	31	tuliptree	<i>Liriodendron tulipifera</i>	Fair	Narrow Crown, One Sided, Vines
359	32	tuliptree	<i>Liriodendron tulipifera</i>	Critical	Narrow Crown, Trunk Decay, Included Bark/Weak Union, Co-Dominant Stems, Vines
363	32	oak, white	<i>Quercus alba</i>	Fair	Narrow Crown, Large DW (3+), Small DW (1-2)
364	33	oak, northern red	<i>Quercus rubra</i>	Fair	One Sided, Small DW (1-2)
365	32	oak, white	<i>Quercus alba</i>	Fair	Narrow Crown, Small DW (1-2), Vines
366	33	sycamore, American	<i>Platanus occidentalis</i>	Good	Full Crown, Broken Limbs, Vines
368	32	oak, northern red	<i>Quercus rubra</i>	Fair	Large DW (3+), Small DW (1-2), Stressed

NATURAL RESOURCE INVENTORY/FOREST STAND DELINEATION PLAN (NRI/FSD)

Property Owner Information:
 Terra Energy, LLC
 13409 Strawbale Lane
 Darnestown, MD 20878
 540-223-3954

No.	Date	Description	App. By	Rev. By
1	10/6/23	Updated titleblock, added contour labels per MNCPPC comments	HMK	MJK
2	11/29/23	Updated titleblock, notes, added watersheds, revised flow class, per MNCPPC comments	KH	MJK

Horizontal Datum: MGS NAD 83
 Vertical Datum: NAVD 88
 Boundary and Topo Source: Montgomery County Digital Data Sotlz
 Design: HMK, Draft: HMK, Approved: MJK
 Sheet # 18 of 20
 WSSI Project Number: MD2258.01

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Dickerson Power Plant
 PLAN NO. 420240750
 Montgomery County, Maryland
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C:\SSS\1_MarylandProjects\MD2258\1\CADD\05-ENV\FSD\Working\MD2258-NRI_LOD_ONLY_NRIUpdates.dwg 18 Plotted By: Kelly, Haley, 11/29/2023 2:14 PM