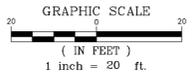
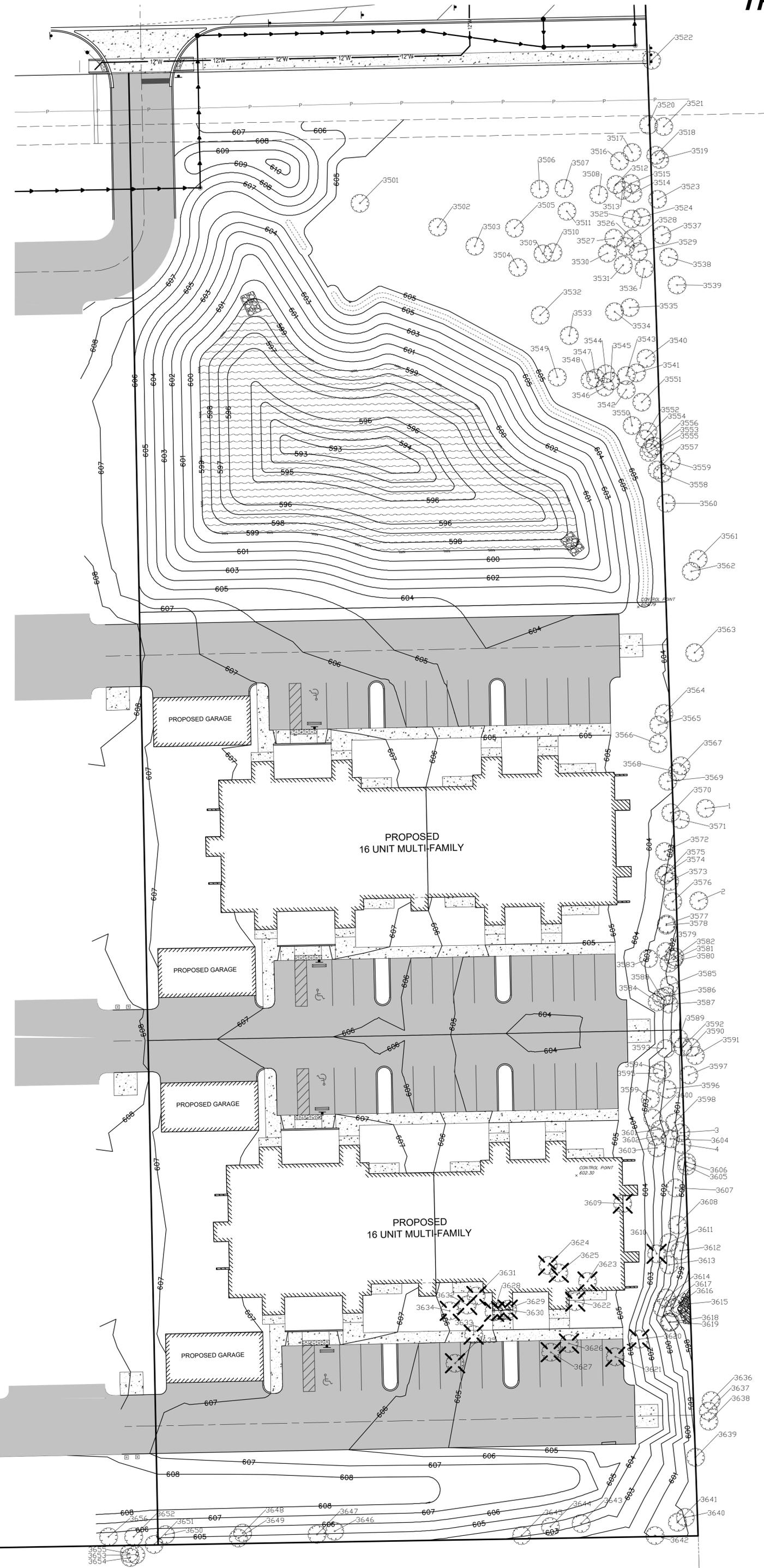


TREE SURVEY EXHIBIT



TREE REPLACEMENT SCHEDULE	
DBH OF REMOVED TREE (IN INCHES)	NUMBER OF REPLACEMENT TREES
4-9	3
10-15	5
16-21	7
22-27	9
28-33	11
34 or GREATER	13

TOTAL NUMBER OF DEAD TREES	15
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ANY DISCREPANCY IN MEASUREMENT DISCOVERED UPON THE GROUND SHOULD BE PROMPTLY REPORTED TO THE SURVEYOR FOR EXPLANATION OR CORRECTION.
FOR BUILDING LINE AND OTHER RESTRICTIONS NOT SHOWN HEREON REFER TO YOUR ABSTRACT, DEED, CONTRACTS AND ZONING ORDINANCES.

REVISIONS			
No.	DATE	DESCRIPTION	BY

Ruettiger, Tonelli & Associates, Inc.
Surveyors • Engineers • Planners • Landscape Architects • I.S. Consultants
129 CAPISTA DRIVE - SHOREWOOD, ILLINOIS 60404
PH. (815) 744-6600 FAX (815) 744-0101
website: www.ruettiger-tonelli.com

DATE: 9-25-2023 SCALE: 1" = 20' DRAWN BY: ECH CHECKED BY: JPH
PREPARED FOR: TALLGRASS ESTATES, L.L.C.
c/o EDWARD MATTOX
1240 W. JEFFERSON STREET
SHOREWOOD, ILLINOIS 60404
FIELD BOOK: PAGE:
DRAWING No.: 315-0950-E15
DRAWING TITLE: TREE SURVEY EXHIBIT SHEET 1 OF 2

N:\10021010950E-15-1-Tree Survey Exhibit and Soils Plan 10/26/2023 2:43:07 PM ewm\mrc

- 1) Trees measured at 4.5 ft. above the ground - DBH (diameter Breast Height)
- 2) All trees 4" DBH and above tagged. Dead trees were tagged for removal. Invasive shrubs were not tagged.
- 3) Health Rating:

Rating	Description	Criteria
1	Excellent	Less than 10% dead wood, typical growth for species, no observed defects
2	Good	Less than 20% dead wood, minor defects, sound structure, no decay
3	Fair	Less than 30% dead wood, minor crown die-back, minor trunk damage or cavities
4	Fair/Poor	Approximately 30-50% dead wood, lacking full crown, minor disease evidence, trunk damage
5	Poor	Over 50% dead wood, lacking full crown, disease or decay evident, structural damage/cavities
6	Dead	Less than 10% living wood, greater than 50% missing bark, adventitious growth only, decay

TOTAL TREES REVIEWED: 167

TAG NO.	SCIENTIFIC NAME	COMMON NAME	DBH (inches)	CONDITION	STRUCTURE	HEALTH	REPLACEMENT VALUE
3501	Quercus macrocarpa	Bur Oak	26	4 - Fair/Poor	Unbalanced	30% dead wood, Tip die back	3
3502	Quercus macrocarpa	Bur Oak	20	4 - Fair/Poor	Unbalanced, Crown Lean, Crowded	20% dead wood, Tip die back	3
3503	Quercus macrocarpa	Bur Oak	52	3 - Fair	Unbalanced	20% dead wood, Trunk Scar, Tip die back	3
3504	Quercus macrocarpa	Bur Oak	20	3 - Fair	Crown Lean	20% dead wood, Tip die back	3
3505	Tilia amerciana	American Basewood	6	3 - Fair	Unbalanced, Crowded		3
3506	Tilia amerciana	American Basewood	11	2 - Good	Crowded		3
3507	Prunus serotina	Black Cherry	7	4 - Fair/Poor	Crown Lean, Crowded	30% dead wood	3
3508	Quercus macrocarpa	Bur Oak	39,30	4 - Fair/Poor	V-shaped joint, Double Leader, Split Risk	Included bark, tip die back	3
3509	Tilia amerciana	American Basewood	4	4 - Fair/Poor	Crowded	Trunk Scar	3
3510	Prunus serotina	Black Cherry	7	4 - Fair/Poor	Crowded	40% dead wood	3
3511	Prunus serotina	Black Cherry	4	3 - Fair	Crowded	20% dead wood	3
3512	Tilia amerciana	American Basewood	4	4 - Fair/Poor	Unbalanced, Crowded	Trunk Scar	3
3513	Tilia amerciana	American Basewood	9	2 - Good	Unbalanced		3
3514	Tilia amerciana	American Basewood	5	3 - Fair	Lean, Crown Lean, Crowded		3
3515	Tilia amerciana	American Basewood	4	5 - Poor	Strong lean, Crown Lean, Crowded		3
3516	Quercus macrocarpa	Bur Oak	17	3 - Fair	Lean, Crown Lean	10% dead wood, Minimal tip die back	3
3517	Prunus serotina	Black Cherry	4	4 - Fair/Poor	Strong lean, Crown Lean	20% dead wood	3
3518	Tilia amerciana	American Basewood	5	5 - Poor	Strong lean, Crown Lean, Crowded	20% dead wood, Trunk Scar	3
3519	Tilia amerciana	American Basewood	8	4 - Fair/Poor	Lean, Unbalanced	20% dead wood	3
3520	Tilia amerciana	American Basewood	4	4 - Fair/Poor	Lean, Crown Lean, Crowded		3
3521	Tilia amerciana	American Basewood	8	3 - Fair	Unbalanced, Crown Lean	20% dead wood	3
3522	Tilia amerciana	American Basewood	10,5	5 - Poor	Multi Leader, Fused Leaders, Lean	Cavity	3
3523	Tilia amerciana	American Basewood	8	3 - Fair	Crown Lean	20% dead wood	3
3524	Tilia amerciana	American Basewood	6	3 - Fair	Crown Lean	Healed trunk scar	3
3525	Tilia amerciana	American Basewood	4	3 - Fair	Crown Lean	Healed trunk scar	3
3526	Tilia amerciana	American Basewood	5	4 - Fair/Poor	Unbalanced, Crown Lean, Crowded	Trunk Scar	3
3527	Prunus serotina	Black Cherry	7	4 - Fair/Poor	Lean, Crown Lean, Crowded	20% dead wood	3
3528	Quercus alba	White Oak	25	2 - Good		20% dead wood, Response growth	3
3529	Tilia amerciana	American Basewood	4	3 - Fair	Crown Lean, Crowded	Healing trunk scar	3
3530	Prunus serotina	Black Cherry	8	5 - Poor	Strong lean, Crown Lean	40% dead wood	3
3531	Tilia amerciana	American Basewood	8	4 - Fair/Poor	Lean, Unbalanced, Crown Lean, Crowded		3
3532	Quercus macrocarpa	Bur Oak	26	3 - Fair		20% dead wood, Minimal tip die back	3
3533	Quercus macrocarpa	Bur Oak	32	3 - Fair	Unbalanced	30% dead wood, Tip die back	3
3534	Prunus serotina	Black Cherry	4	4 - Fair/Poor	Lean, Crowded	40% dead wood	3
3535	Quercus macrocarpa	Bur Oak	22	3 - Fair	Crown Lean	Minimal tip die back, adventitious growth	3
3536	Prunus serotina	Black Cherry	6	4 - Fair/Poor	Lean	20% dead wood	3
3537	Tilia amerciana	American Basewood	6	2 - Good	Lean		3
3538	Tilia amerciana	American Basewood	4	6 - Poor		50% dead wood, Dead crown	3
3539	Tilia amerciana	American Basewood	9	3 - Fair	Lean	20% dead wood	3
3540	Quercus macrocarpa	Bur Oak	26	4 - Fair/Poor	Crown Lean	Healed trunk scar, minimal tip die back, adventitious growth	3
3541	Prunus serotina	Black Cherry	4	4 - Fair/Poor	Lean, Crown Lean	20% dead wood	3
3542	Prunus serotina	Black Cherry	5	5 - Poor	Strong lean	20% dead wood	3
3543	Prunus serotina	Black Cherry	5	5 - Poor	Strong lean	>50% dead wood	3
3544	Prunus serotina	Black Cherry	6	4 - Fair/Poor	Strong lean	30% dead wood	3
3545	Prunus serotina	Black Cherry	4	4 - Fair/Poor	Lean	40% dead wood	3
3546	Prunus serotina	Black Cherry	6	5 - Poor	Strong lean	50% dead wood	3
3547	Prunus serotina	Black Cherry	7	4 - Fair/Poor	Lean	30% dead wood	3
3548	Prunus serotina	Black Cherry	4	5 - Poor	Strong lean	>50% dead wood	3
3549	Prunus serotina	Black Cherry	4	5 - Poor	Strong lean	>50% dead wood, Oozing	3
3550	Prunus serotina	Black Cherry	8	5 - Poor	Lean, Crown Lean	>50% dead wood	3
3551	Prunus serotina	Black Cherry	5	4 - Fair/Poor	Lean	40% dead wood	3
3552	Tilia amerciana	American Basewood	10	2 - Good	Unbalanced		3
3553	Prunus serotina	Black Cherry	10	4 - Fair/Poor	Lean	30% dead wood	3
3554	Prunus serotina	Black Cherry	4	4 - Fair/Poor	Strong lean, Crown Lean	30% dead wood	3
3555	Ulmus americana	American Elm	16	4 - Fair/Poor	Unbalanced	40% dead wood, Trunk Scar	3
3556	Prunus serotina	Black Cherry	6	4 - Fair/Poor		30% dead wood	3
3557	Prunus serotina	Black Cherry	8	4 - Fair/Poor	Split Risk, Unbalanced	40% dead wood, Cavity	3
3558	Prunus serotina	Black Cherry	7	4 - Fair/Poor	Lean	40% dead wood	3
3559	Prunus serotina	Black Cherry	4	6 - Dead		40% Dead	3
3560	Prunus serotina	Black Cherry	10	4 - Fair/Poor	Crown Lean	40% dead wood, Vines	3
3561	Carya ovata	Shagbark Hickory	22	2 - Good	Slight lean	Grown around barbed wire	3
3562	Ulmus americana	American Elm	7	4 - Fair/Poor	Crown Lean	Adventitious growth	3
3563	Carya ovata	Shagbark Hickory	20	2 - Good		Grown around barbed wire	3
3564	Ulmus americana	American Elm	10	3 - Fair		10% dead wood, Fungus	3
3565	Ulmus americana	American Elm	7	4 - Fair/Poor	Unbalanced, Crowded	30% dead wood	3
3566	Ulmus americana	American Elm	7	4 - Fair/Poor	V-shaped joint, Double Leader, Fused Leaders, Unbalanced	10% dead wood	3
3567	Prunus serotina	Black Cherry	8	4 - Fair/Poor	Strong lean	30% dead wood, Vines	3
3568	Prunus serotina	Black Cherry	10	6 - Dead		40% Dead	3
3569	Prunus serotina	Black Cherry	9	4 - Fair/Poor	Lean, Crown Lean	20% dead wood	3
3570	Prunus serotina	Black Cherry	6	5 - Poor	Strong lean, Crown Lean		3
3571	Prunus serotina	Black Cherry	7	6 - Dead		40% Dead	3
3572	Quercus rubra	Red Oak	10	4 - Fair/Poor	Unbalanced, Crowded		3
3573	Prunus serotina	Black Cherry	6	6 - Dead		40% Dead	3
3574	Prunus serotina	Black Cherry	8	4 - Fair/Poor	Lean, Unbalanced, Crown Lean	30% dead wood	3
3575	Prunus serotina	Black Cherry	10	4 - Fair/Poor	Strong lean, Unbalanced, Crown Lean, Crowded		3
3576	Juglans nigra	Black Walnut	15	3 - Fair	Unbalanced		3
3577	Quercus macrocarpa	Bur Oak	4	3 - Fair	Unbalanced, Crown Lean, Crowded		3
3578	Prunus serotina	Black Cherry	10	4 - Fair/Poor	Lean, Unbalanced, Crowded	30% dead wood, Trunk Scar	3
3579	Prunus serotina	Black Cherry	6	6 - Dead		40% Dead	3
3580	Prunus serotina	Black Cherry	4	6 - Dead		40% Dead	3
3581	Prunus serotina	Black Cherry	4	6 - Dead		40% Dead	3
3582	Prunus serotina	Black Cherry	4	6 - Dead		40% Dead	3
3583	Prunus serotina	Black Cherry	5	5 - Poor	Strong lean		3
3584	Celtis occidentalis	Hackberry	4	3 - Fair	Crown Lean, Crowded		3
3585	Quercus macrocarpa	Bur Oak	32	3 - Fair	Unbalanced	30% dead wood, Cavity, Minimal tip die back	3
3586	Prunus serotina	Black Cherry	4	4 - Fair/Poor	Crown Lean	40% dead wood	3
3587	Prunus serotina	Black Cherry	4	5 - Poor	Strong lean	40% dead wood	3
3588	Crataegus mollis	Hawthorn	2,2	4 - Fair/Poor	Crown Lean	20% dead wood	3
3589	Quercus macrocarpa	Bur Oak	12	3 - Fair	Unbalanced	10% dead wood	3
3590	Prunus serotina	Black Cherry	7	5 - Poor		>50% dead wood	3
3591	Prunus serotina	Black Cherry	4	6 - Dead		40% Dead	3
3592	Prunus serotina	Black Cherry	5	6 - Dead		40% Dead	3
3593	Prunus serotina	Black Cherry	9	4 - Fair/Poor	Strong lean	30% dead wood	3
3594	Prunus serotina	Black Cherry	9	4 - Fair/Poor	Strong lean	30% dead wood	3
3595	Quercus rubra	Red Oak	7	4 - Fair/Poor	Unbalanced, Crown Lean	10% dead wood	3
3596	Ulmus americana	American Elm	6	4 - Fair/Poor	Unbalanced, Crown Lean, Crowded		3
3597	Prunus serotina	Black Cherry	3	4 - Fair/Poor	Lean	20% dead wood	3
3598	Quercus macrocarpa	Bur Oak	20	3 - Fair	Unbalanced, Crown Lean	10% dead wood	3
3599	Prunus serotina	Black Cherry	5	5 - Poor	Unbalanced, Crown Lean, Crowded	Trunk Scar	3
3600	Prunus serotina	Black Cherry	6	5 - Poor	Strong lean	>50% dead wood	3
3601	Prunus serotina	Black Cherry	6	4 - Fair/Poor	Unbalanced, Crown Lean, Crowded	30% dead wood	3
3602	Prunus serotina	Black Cherry	4	6 - Dead		40% Dead	3
3603	Prunus serotina	Black Cherry	5	5 - Poor	Strong lean	30% dead wood, Cavity, Sawdust	3
3604	Prunus serotina	Black Cherry	8	4 - Fair/Poor	Crown Lean	20% dead wood	3
3605	Celtis occidentalis	Hackberry	3	3 - Fair	Unbalanced, Crown Lean, Crowded		3
3606	Celtis occidentalis	Hackberry	9	3 - Fair	Unbalanced, Crowded	20% dead wood	3
3607	Celtis occidentalis	Hackberry	11	2 - Good	Unbalanced		3
3608	Quercus macrocarpa	Bur Oak	13	2 - Good	Unbalanced	20% dead wood	3
3609	Ulmus americana	American Elm	4	3 - Fair	Unbalanced	20% dead wood	3
3610	Quercus rubra	Red Oak	18	2 - Good	Crown Lean	20% dead wood	3
3611	Quercus macrocarpa	Bur Oak	7	2 - Good	Crown Lean		3
3612	Carya ovata	Shagbark Hickory	11	2 - Good	Crown Lean	Adventitious Growth	3
3613	Prunus serotina	Black Cherry	11	5 - Poor		>50% dead wood	3
3614	Celtis occidentalis	Hackberry	13	2 - Good	Unbalanced		3
3615	Celtis occidentalis	Hackberry	4	6 - Dead		40% Dead	3
3616	Celtis occidentalis	Hackberry	8	3 - Fair	Lean, Unbalanced, Dead leaning on		3
3617	Unknown	Unknown	7	6 - Dead		40% Dead	3
3618	Celtis occidentalis	Hackberry	5	4 - Fair/Poor	Crowded	20% dead wood	3
3619	Celtis occidentalis	Hackberry	8	3 - Fair	Unbalanced	20% dead wood	3
3620	Quercus macrocarpa	Bur Oak	10	2 - Good	Slightly unbalanced		3
3621	Crataegus mollis	Hawthorn	5,3	3 - Fair	V-shaped joint, Double Leader	20% dead wood	3
3622	Morus alba	White Mulberry	6,5	5 - Poor	Crowded	30% dead wood	3
3623	Morus alba	White Mulberry	30	4 - Fair/Poor	Crowded	30% dead wood	3
3624	Ulmus americana	American Elm	4	3 - Fair	Crowded		3
3625	Quercus macrocarpa	Bur Oak	15	2 - Good		20% dead wood	3
3626	Ulmus americana	American Elm	3	4 - Fair/Poor	Crown Lean, Crowded	20% dead wood	3
3627	Prunus serotina	Black Cherry	12,12	5 - Poor	V-shaped joint, Double Leader	>50% dead wood, Cavity, Peeling Bark	3
3628	Quercus macrocarpa	Bur Oak	18	2 - Good		20% dead wood	3
3629	Morus alba	White Mulberry	15	4 - Fair/Poor	V-shaped joint, Double Leader, Unbalanced, Crowded		3
3630	Morus alba	White Mulberry	3	4 - Fair/Poor	Crown Lean	Vines	3
3631	Morus alba	White Mulberry	14,8	4 - Fair/Poor	V-shaped joint, Multi Leader, Crowded	40% dead wood, Cavity	3
3632	Prunus serotina	Black Cherry	8	4 - Fair/Poor	Strong lean, Crown Lean, Crowded	20% dead wood	3
3633	Juglans nigra	Black Walnut	10	2 - Good	Unbalanced		3
3634	Celtis occidentalis	Hackberry	4	3 - Fair	Unbalanced		3
3635	Morus alba	White Mulberry	14	4 - Fair/Poor	V-shaped joint	30% dead wood	3
3636	Carya ovata	Shagbark Hickory	9	3 - Fair	Lean, Unbalanced		3
3637	Quercus macrocarpa	Bur Oak	13	2 - Good		20% dead wood	3
3638	Carya ovata	Shagbark Hickory	6,5	4 - Fair/Poor	V-shaped joint, Split Risk, Lean		3
3639	Quercus rubra	Red Oak	20	3 - Fair		30% dead wood	3
3640	Quercus rubra	Red Oak	3	3 - Fair	Crown Lean	20% dead wood	3
3641	Carya ovata	Shagbark Hickory	14	2 - Good			3
3642	Quercus macrocarpa	Bur Oak	16	3 - Fair	Crown Lean		3
3643	Prunus serotina	Black Cherry	10	3 - Fair	Lean	20% dead wood	3
3644	Prunus serotina	Black Cherry	16	3 - Fair	Lean	20% dead wood	3
3645	Prunus serotina	Black Cherry	22	4 - Fair/Poor	Lean	30% dead wood	3
3646							