

GPS	LOCA TED	TRFFS	

1	PIN OAK	CALIPER (INCHES)	MULTILEADER YES	CONDITION POOR TO OK	STUDY BLOCK	REMARKS DEAD BRANCHES UNBALANCED VINES FULL CANOPY	ACT REN
** 2	PIN OAK	5		POOR		VINES UNBALANCED DISEASE INSECTS	REN
* 3 * 4	PIN OAK PIN OAK	26 13		EXTREMELY POOR OK		BROKEN MAIN LEADER MANY DEAD BRANCHES VINES BROKEN BRANCHES DEAD BRANCHES VINES	KI KI
* 5	PIN OAK	13		POOR TO OK		BROKEN BRANCHES DEAD BRANCHES SPARSE CANOPY	KI
* 6	RED CEDAR	23		POOR TO OK		CODOMINANT BROKEN BRANCHES DEAD BRANCHES	K
* 7	RED CEDAR	24	VEC	POOR		CODOMINANT VINES UNBALANCED DEAD BRANCHES	K
8 9	RED CEDAR RED MAPLE	8, 14 27	YES	POOR OK		SPARSE CANOPY DEAD BRANCHES UNBALANCED CODOMINANT LEANING FULL CANOPY	REN REN
* 10	BLACK CHERRY	17		EXTREMELY POOR		DEAD BRANCHES SPARSE CANOPY VINES	REN
11	BLACK CHERRY	22		POOR		DEAD BRANCHES SPARSE CANOPY VINES	REN
* 12	RED CEDAR	16		POOR		MECHANICAL DAMAGE LEANING UNBALANCED SPARSE CANOPY	K
* 13	RED CEDAR	8, 8	YES	EXTREMELY POOR		BROKEN MAIN LEADER LEANING VINES	REN
★ 14 15	PIN OAK PIN OAK	23 31		EXTREMELY POOR POOR		DYING DEAD MAIN LEADER BROKEN BRANCHES DEAD BRANCHES VINES BROKEN BRANCHES	REN REN
★ 16	RED CEDAR	22		EXTREMELY POOR		VINES MANY DEAD BRANCHES CODOMINANT	REN
17	RED CEDAR	14, 14, 3	YES	ОК		UNBALANCED FULL CANOPY MECHANICAL DAMAGE	REN
18	RED CEDAR	17		POOR		BROKEN LEADER CODOMINANT VINES	REN
19	RED CEDAR	6, 10	YES	POOR		DEAD BRANCHES NO LOWER BRANCHES VINES	REN
20	RED CEDAR CHERRY SPECIES	17 18		POOR TO OK EXTREMELY POOR		VINES FULL CANOPY DEAD LOWER BRANCHES DEAD	REN REN
≭ 21 22	RED CEDAR	18		POOR TO OK	STUDY BLOCK 2	DEAD BRANCHES CODOMINANT SPARSE CANOPY	REN
* 23	CHERRY SPECIES	20		EXTREMELY POOR		LEANING MANY DEAD BRANCHES EXPOSED SPARSE CANOPY	REI
24	BLACK CHERRY	20		OK		DEAD BRANCHES CODOMINANT GOOD FORM	REI
25	RED OAK	30		OK	STUDY BLOCK 1	DEAD BRANCHES GOOD FORM LEANING VINES	REI
* 26	WHITE OAK	26		OK	STUDY BLOCK 1	CODOMINANT VINES STRESS CRACKS	K
* 27 * 28	WHITE OAK	39 33		OK		EXPOSED ROOT FLARE NO LOWER BRANCHES VINES STRESS CRACKS DEAD BRANCHES RELIC WOUNDS	K
↑ 28 ★ 29	WHITE OAK WHITE OAK	22 34		OK EXTREMELY POOR		CODOMINANT DEAD MAIN LEADER BROKEN BRANCHES	K K
30	WHITE ASH	18		POOR TO OK		LEANING CODOMINANT UNBALANCED	K
* 31	BLACK CHERRY	34		EXTREMELY POOR		DEAD MAIN LEADER CONTORTED VINES	REN
* 32	WHITE ASH	19		EXTREMELY POOR		LEANING BROKEN BRANCHES DEAD BRANCHES	REN
* 33	PEAR SPECIES	9		POOR		LEANING UNBALANCED NO LOWER BRANCHES	REI
* 34 * 35	WHITE PINE	12 g		POOR OK		LEANING CONTORTED UNBALANCED MECHANICAL DAMAGE NO LOWER BRANCHES LEANING	REI REI
* 35 * 36	BLACK CHERRY JAPANESE MAPLE	ŏ A		OK POOR		MECHANICAL DAMAGE NO LOWER BRANCHES LEANING LEANING CONTORTED SPARSE CANOPY	REI REI
* 30 * 37	JAPANESE MAPLE	6		POOR TO OK		POOR PRUNING PRACTICE LEANING UNBALANCED	REI
* 38	WHITE PINE	15		POOR TO OK		EXPOSED ROOT FLARE CONTORTED UNBALANCED	RE
* 39	BLACK CHERRY	11		OK		CODOMINANT NO LOWER BRANCHES DEAD BRANCHES	RE
* 40	WHITE ASH	9		POOR		CODOMINANT UNBALANCED DEAD BRANCHES	RE
* 41 * 42	HEMLOCK SOUTHERN MAGNOLIA	5 4		OK OK		EXPOSED ROOT FLARE UNBALANCED FULL CANOPY MECHANICAL DAMAGE FULL CANOPY DEAD BRANCHES	REI REI
* 43	SYCAMORE	11		OK TO GOOD		SOME DEAD BRANCHES SPARSE CANOPY GOOD FORM	REI
* 44	WHITE PINE	15		ОК		CONTORTED UNBALANCED BROKEN BRANCHES FULL CANOPY	REI
* 45	ARBORVITAE	14		GOOD TO VERY GOOD		CODOMINANT MECHANICAL DAMAGE GOOD FORM	RE
* 46	HEMLOCK	8		OK TO GOOD		MECHANICAL DAMAGE UNBALANCED GOOD FORM	RE
* 47	ARBORVITAE	13		OK		DEAD BRANCHES MECHANICAL DAMAGE GOOD FORM	RE
≭ 48 49	CHERRY SPECIES RED CEDAR	10, 11, 12, 9 23	YES	EXTREMELY POOR OK	STUDY BLOCK 2	DYING SPARSE CANOPY DAMAGE CODOMINANT DEAD BRANCHES GOOD FORM	REI REI
50	RED CEDAR	9, 10	YES	POOR	STUDY BLOCK 2	DEAD BRANCHES VINES UNBALANCED	RE
51	RED CEDAR	22	. 25	POOR TO OK	STUDY BLOCK 2	VINES CODOMINANT DEAD BRANCHES	REI
52	RED CEDAR	25		POOR	STUDY BLOCK 2	DEAD BRANCHES VINES UNBALANCED	RE
53	RED CEDAR	16		POOR	STUDY BLOCK 2	VINES DEAD BRANCHES UNBALANCED	RE
54	RED CEDAR	17		OK	STUDY BLOCK 2	VINES DEAD BRANCHES GOOD FORM	REI
55 56	RED CEDAR RED CEDAR	20 19		POOR POOR		CODOMINANT SPARSE CANOPY DEAD BRANCHES SPARSE CANOPY UNBALANCED DEAD BRANCHES	REI REI
≯ 57	RED CEDAR	23		EXTREMELY POOR		BROKEN MAIN LEADER UNBALANCED SPARSE CANOPY	REI
58	CATALPA	13, 6	YES	POOR TO OK		DEAD BRANCHES CONTORTED EXPOSED ROOT	REI
* 59	RED CEDAR	24		POOR		CODOMINANT EXPOSED ROOT VINES	K
* 60	RED CEDAR	16		POOR		CODOMINANT MANY DEAD BRANCHES VINES	K
* 61	RED CEDAR	22		POOR		VINES SPARSE CANOPY BROKEN MAIN LEADER	K
* 62 * 63	RED CEDAR PIN OAK	18 19		POOR POOR TO OK	STUDY BLOCK 3	DEAD BRANCHES VINES SPARSE CANOPY VINES DEAD BRANCHES NO LOWER BRANCHES	K K
* 64	WHITE OAK	18		POOR TO OK	STUDY BLOCK 3	DEAD BRANCHES MECHANICAL DAMAGE CODOMINANT	K
65	PIN OAK	24		POOR TO OK	STUDY BLOCK 3	EXPOSED ROOT DEAD BRANCHES VINES	RE
66	WHITE OAK	28		POOR		LEANING CONTORTED UNBALANCED	RE
* 67	WHITE OAK	22		EXTREMELY POOR	STUDY BLOCK 1	LEANING VINES UNBALANCED	RE
68	RED OAK	22		POOR TO OK	STUDY BLOCK 1	VINES EXPOSED ROOT SPARSE CANOPY	RE
* 69	PIN OAK	24		EXTREMELY POOR	STUDY BLOCK 3	MECHANICAL DAMAGE BROKEN BRANCHES SPARSE CANOPY	RE
* 70 * 71	PIN OAK PIN OAK	24 23		EXTREMELY POOR EXTREMELY POOR	STUDY BLOCK 1 STUDY BLOCK 1	DEAD BRANCHES SPARSE CANOPY UNBALANCED VINES BROKEN BRANCHES EXPOSED ROOT	RE RE
* 71 * 72	BLUE SPRUCE	9		GOOD	DEOCK 1	LEANING UNBALANCED GOOD FORM	RE
* 73	BLUE SPRUCE	8		GOOD		CODOMINANT GOOD FORM	RE
* 74	BLUE SPRUCE	9		GOOD		DEAD BRANCHES UNBALANCED GOOD FORM	RE
75 4.76	CEDAR	19 13		GOOD		MECHANICAL DAMAGE CONTORTED GOOD FORM	RE
* 76 * 77	SPRUCE SPECIES WHITE PINE	12 15		EXTREMELY POOR OK TO GOOD		DEAD BRANCHES LEANING CONTORTED SCARS POOR PRUNING EXPOSED ROOT	RE RE
≁ 77 * 78	BLUE SPRUCE	8		GOOD		BROKEN BRANCHES GOOD FORM	RE RE
★ 79	BLUE SPRUCE	9		GOOD		BROKEN BRANCHES GOOD FORM	RE
* 80	BLUE SPRUCE	9		GOOD		BROKEN BRANCHES GOOD FORM	RE
81	PEAR SPECIES	12, 13, 14	YES	POOR		OPEN WOUNDS CONTORTED UNBALANCED	RE
* 82	AMERICAN HOLLY	7, 7	YES	OK POOR		MECHANICAL DAMAGE SUCKER GROWTH WOUNDS	RE
* 83 * 84	BLUE SPRUCE SPRUCE SPECIES	10, 5 10	YES	POOR OK TO GOOD		POOR PRUNING CONTORTED SCARS WOUNDS EXPOSED ROOT GOOD FORM	RE RE
≁ 84 ⊁ 85	NORWAY SPRUCE	10 11		GOOD		UNBALANCED EXPOSED ROOT GOOD FORM	RE RE
* 86	NORWAY SPRUCE	12		ОК		LEANING WOUNDS SPARSE CANOPY	RE
. ★ 87	SPRUCE SPECIES	10		POOR TO OK		POOR PRUNING BROKEN LEADER SPARSE CANOPY	RE
* 88	NORWAY SPRUCE	11		POOR		POOR PRUNING DEAD BRANCHES SPARSE CANOPY	RE
* 89	NORWAY SPRUCE	10		POOR TO OK		LEANING CONTORTED POOR PRUNING	RE
90 4 91	WHITE PINE NORWAY SPRUCE	24 12		POOR TO OK POOR		CODOMINANT POOR PRUNING EXPOSED ROOT LEANING POOR PRUNING CONTORTED	RE RE
∗ 91 ∗ 92	NORWAY SPRUCE	10		POOR		MANY DEAD BRANCHES SPARSE CANOPY CONTORTED	RE
* 93	NORWAY SPRUCE	11		POOR		POOR PRUNING BROKEN BRANCHES CONTORTED	RE
. ★ 94	WHITE PINE	7,6	YES	EXTREMELY POOR		CONTORTED UNBALANCED BROKEN BRANCHES	RE
* 95	WHITE PINE	7		EXTREMELY POOR		LEANING CONTORTED SPARSE CANOPY	RE
96	WHITE PINE	11, 10	YES	OK		EXPOSED ROOT CONTORTED FULL CANOPY	RE
97 98	NORWAY SPRUCE	20 25		OK POOR TO OK		LEANING POOR PRUNING DEAD BRANCHES	RE RE
98 99	NORWAY SPRUCE RED CEDAR	25 18		POOR TO OK POOR		LEANING EXPOSED ROOT DEAD BRANCHES BROKEN MAIN LEADER DEAD BRANCHES EXPOSED ROOT	RE RE
99 ≮ 100	PIN OAK	18 25		POOR POOR TO OK		CODOMINANT VINES DEAD BRANCHES	KE I
★ 100	RED CEDAR	18		POOR TO OK		UNBALANCED LEANING EXPOSED ROOT	ŀ
k 102	RED CEDAR	15		EXTREMELY POOR		MANY DEAD BRANCHES UNBALANCED SPARSE CANOPY	I
* 103	RED CEDAR	16		POOR TO OK		MANY DEAD BRANCHES EXPOSED ROOT NO LOWER BRANCHES	ŀ
	RED CEDAR	13		POOR TO OK		MANY DEAD BRANCHES SPARSE CANOPY EXPOSED ROOT	ŀ
	RED CEDAR	9, 14	YES	POOR		LEANING UNBALANCED SPARSE CANOPY	ŀ
k 105		•	1123			Bernard and the second and the secon	
* 104 * 105 * 106	RED CEDAR	12	123	EXTREMELY POOR		DEAD MAIN LEADER EXPOSED ROOT UNBALANCED	
* 105		•	123			DEAD MAIN LEADER EXPOSED ROOT UNBALANCED MANY DEAD BRANCHES NO LOWER BRANCHES EXPOSED ROOT SPARSE CANOPY EXPOSED ROOT WOUNDS	۱ ۱ ۱

* 111	RED CEDAR	20		POOR TO OK
* 112	RED CEDAR	13		POOR TO OK
* 113	RED CEDAR	25		POOR
* 114	RED CEDAR	13		POOR
* 115	RED CEDAR	15		EXTREMELY POO
* 116	RED CEDAR	10		POOR
* 117	RED CEDAR	13		POOR
* 118	RED CEDAR	14		POOR TO OK
* 119	RED CEDAR	14		POOR
* 120	RED CEDAR	18		POOR TO OK
* 121	RED CEDAR	13		EXTREMELY POO
* 122	RED CEDAR	18		POOR TO OK
* 123	RED CEDAR	14		POOR
* 124	RED CEDAR	14		EXTREMELY POO
* 125	RED CEDAR	10		EXTREMELY POO
* 126	RED CEDAR	19		POOR
* 127	RED CEDAR	10, 15	YES	EXTREMELY POO
128	RED CEDAR	25		POOR
* 129	BLACK CHERRY	15		EXTREMELY POO
* 130	RED CEDAR	20		EXTREMELY POO
* 131	RED OAK	19		EXTREMELY POO
* 132	RED OAK	18		EXTREMELY POO

GPS LOCATED TREE CHART NOTES:

1. * NEXT TO TREE NUMBER INDICATES TREE IS EXCLUDED FROM REPLACEMENT REQUIREMENTS FOR ONE OF THE FOLLOWING REASONS:

A. TREE IS IN EXTREMELY POOR CONDITION AND EXEMPT PER ORDINANCE 222-5.1(D).

B. TREE IS OUTSIDE OF THE LIMIT OF DISTURBANCE AND WILL

STUDY BLOCK 1

No.	Common Name	Botanical Name	Qty	Total Caliper Inches	Condition	Comments Co-Dominant Leader, Vine Covered, Stress cracks	
* 1	White Oak (Tree 26 GPS)	Quercus alba	1	26"	OK		
* 2	Red Oak (Tree 68 GPS)	Quercus rubra	1	22"	Poor-OK	Vine Covered, Exposed Root, Sparse Canopy	
* 3	Red Cedar	Juniperus virginiana	1	9"	Extremely Poor	Many Dead Branches, Sparse Canopy, Vine Covered	
* 4	Tree of Heaven	Ailanthus	1	5"	Extremely Poor	Broken Leader, Open Wounds, Sparse Canopy	
* 5	Red Oak (Tree 25 GPS)	Quercus rubra	1	30"	OK	Dead branches, Good form, Leaning, Vine Covered	
6	Cherry species	Prunus spp.	1	5"	Poor	Leaning, Co-Dominant Leader, Unbalanced Canopy	
* 7	White Oak (Tree 67 GPS)	Quercus alba	1	22"	Extremely Poor	Leaning, Vine Covered, Unbalanced Canopy	
8	Red Cedar	Juniperus virginiana	1	13"	Poor-OK	Exposed Roots, Dead Branches, Vine Covered	
9	Red Cedar	Juniperus virginiana	1	8"	Poor-OK	Exposed Roots, Dead Branches, Vine Covered	
10	Black Cherry	Prunus serotina		1	14"	Poor-OK	Many Dead Branches, Contorted Form, Poor Pruning Practices
* 11	Cherry species	Prunus spp.	1	4"	Extremely Poor	Leaning, Unbalanced Canopy, Contorted Form	
* 12	Red Cedar	Juniperus virginiana	1	12"	Extremely Poor	Leaning, Vine Covered, Sparse Canopy	
13	Cherry species	Prunus spp.	1	5"	Poor-OK	Contorted Form, Vine Covered, Leaning	
14	Cherry species	Prunus spp.	1	7"	OK	Unbalanced Canopy, Contorted Form, Dead Branches	
15	Red Cedar	Juniperus virginiana	1	15"	Poor	Dead Branches, Vine Covered, Broken Leader	
16	White Ash	Fraxinus americana	1	4"		Unbalanced Canopy, Dead Branches, Open Wounds	
* 17	Pin Oak (Tree 71 GPS)	Quercus palustris	1	23"	Extremely Poor	Vine Covered, Broken Branches, Exposed Root Flare	
18	Black Cherry	Prunus serotina	1	7"	Poor	Leaning, Sparse Canopy, Dead Branches	
* 19	Pin Oak (Tree 70 GPS)	Quercus palustris	1	24"	Extremely Poor	Dead Branches, Sparse Canopy, Unbalanced Canopy	

STUDY BLOCK CHART NOTES NOTES:

1. * NEXT TO TREE NUMBER INDICATES TREE IS EXCLUDED FROM REPLACEMENT REQUIREMENTS FOR ONE OF THE FOLLOWING REASONS:

A. TREE IS IN EXTREMELY POOR CONDITION AND EXEMPT PER ORDINANCE 222-5.1(D)

B. TREE IS 16" CAL. OR GREATER AND IS INCLUDED IN THE GPS LOCATED TREE CALCULATIONS ON PAGE 3.

2. ROWS IN BOLD ARE CONSIDERED SPECIMEN TREES PER ORDINANCE 225-5(B)(10) AND CAN BE FOUND ON THE GPS LOCATED TREE CHART TO THE LEFT.

STUDY BLOCK 2

KEEP KEEP

KEEP KEEP

KEEP

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KEEP KEEP

REMOVE KEEP

> KEEP KEEP

REMOVE

EXPOSED ROOT FLARE DEAD BRANCHES NO LOWER BRANCHES

LEANING UNBALANCED NO LOWER BRANCHES
DEAD BRANCHES BROKEN LEADER EXPOSED ROOT

BROKEN BRANCHES DEAD BRANCHES NO LOWER BRANCHES

LEANING UNBALANCED SPARSE CANOPY
DEAD BRANCHES SPARSE CANOPY MECHANICAL DAMAGE

UNBALANCED EXPOSED ROOT MECHANICAL DAMAGE

UNBALANCED EXPOSED ROOT DEAD BRANCHES
EXPOSED ROOT NO LOWER BRANCHES DEAD BRANCHES

CODOMINANT NO LOWER BRANCHES DEAD BRANCHES

DEAD BRANCHES SPARSE CANOPY WOUNDS
EXPOSED ROOT FLARE NO LOWER BRANCHES DEAD BRANCHES

MANY DEAD BRANCHES CONTORTED UNBALANCED LEANING UNBALANCED CONTORTED

DYING DEAD BRANCHES SPARSE CANOPY
CODOMINANT UNBALANCED DEAD BRANCHES

OPEN WOUNDS UNBALANCED SPARSE
EXPOSED ROOT FLARE UNBALANCED DEAD BRANCHES

SPARSE CANOPY SUCKER GROWTH DEAD BRANCHES
DEAD BRANCHES SPARSE CANOPY CONTORTED

DEAD BRANCHES SPARSE CANOPY VINES
LEANING UNBALANCED CONTORTED

No.	Common Name	Botanical Name	Qty	Total Caliper Inches	Condition	Comments
1	7 1		1	5"	Poor	Unbalanced Canopy, Vin Covered, Sparse Canopy
2	Cherry species Prunus spp.		1	8"	Poor	Unbalanced Canopy, Vin Covered, Sparse Canopy
* 3	Red Cedar (Tree 22 GPS) Juniperus virginiana		1	18"	Poor to OK	Dead Branches, Codominant, Sparse Canopy
4	4 Red Cedar Juniperus virginiana		1	15"	Poor	Unbalanced Canopy, Sparse Canopy, Dead Branches
5	Red Cedar	Juniperus virginiana	1	14"	Poor	Unbalanced Canopy, Sparse Canopy, Vine Covered
* 6	Cherry species	Prunus spp.	1	6"	Extremely Poor	Unbalanced Canopy, Vin Covered, Leaning
7	Red Cedar	Juniperus virginiana	1	7"	Poor	Leaning, Contorted Form Unbalanced Canopy
* 8	Red Cedar (Tree 49 GPS)	Juniperus virginiana	1	23"	OK	Co-Dominant Leader, Dead Branches, Good Form
* 9	Black Cherry	Prunus serotina	1	6"	Extremely Poor	Leaning, Many Dead Branches, Contorted Form
* 10	Black Cherry	Prunus serotina	1	6"	Extremely Poor	Leaning, Contorted Form Vine Covered
* 11	Black Cherry	Prunus serotina	1	5"	Extremely Poor	Leaning, Contorted Form Vine Covered
* 12	Black Cherry	Prunus serotina	1	5"	Extremely Poor	Leaning, Many Contorted Form, Vine Covered
* 13	Black Cherry	Prunus serotina	1	4"	Extremely Poor	Leaning, Contorted Form Unbalanced Canopy
14	Black Cherry	Prunus serotina	1	11"	Poor	Co-Dominant Leader, Sparse Canopy, Vine Covered
* 15	Red Cedar (Tree 50 GPS)	Juniperus virginiana	1	ML 9, 10	Poor	Many Dead Branches, Vine Covered, Unbalanced Canopy
16	Red Cedar	Juniperus virginiana	1	11"	Poor	Weak Attachment, Many Dead Branches, Sparse Canopy
17	Red Cedar	Juniperus virginiana	2	ML 10, 5	Poor	Sparse Canopy, Weak Attachment, Many Dead Branches
* 18	Red Cedar	Juniperus virginiana	1	10"	Extremely Poor	Many Dead Branches, Sparse Canopy, Leaning
19	Red Cedar	Juniperus virginiana	1	9"	Poor	Leaning, Contorted Form Many Dead Branches
* 20	Red Cedar (Tree 51 GPS)	Juniperus virginiana	1	22"	Poor-OK	Vine Covered, Co- Dominant Leader, Man Dead Branches
* 21	Red Cedar	Juniperus virginiana	1	14"	Extremely Poor	Unbalanced Canopy, Vin Covered, Many Dead Branches
* 22	Red Cedar (Tree 52 GPS)	Juniperus virginiana	1	25"	Poor	Dead Branches, Vine Covered, Unbalanced Canopy
* 23	Red Cedar	Juniperus virginiana	1	12"	Extremely Poor	Exposed Roots, Sparse Canopy, Vine Covered
	Red Cedar (Tree 53 GPS)	Juniperus virginiana	1	16"	Poor	Vine Covered, Dead Branches, Unbalanced Canopy
			1	17"	ОК	Vine Covered, Dead
*24 *25	Red Cedar (Tree 54 GPS)	Juniperus virginiana	1			Branches, Good Form
	Red Cedar (Tree 54 GPS) Black Cherry Red Cedar		2	ML 3, 2	Extremely Poor	Leaning, Contorted Form Vine Covered Mechanical Damage, Vir.

STUDY BLOCK 3

No.	Common Name	Botanical Name	Qty	Total Caliper Inches	Condition	Comments
* 1	Pin Oak (Tree 63 GPS)	Quercus palustris	1	19"	OK-Poor	Vine Covered, Many Dead Branches, No Lower Branches
2	Pin Oak	Quercus palustris	1	4"	Poor	Sparse Canopy, Dead Branches, Contorted Form
3	Red Cedar	Juniperus virginiana	1	14"	OK-Poor	Many Dead Branches, Vine Covered, Unbalanced Canopy
4	Red Cedar	Juniperus virginiana	1	11"	Poor	Sparse Canopy, Unbalanced Canopy, Dead Branches
5	Red Cedar	Juniperus virginiana	1	10"	Poor	Leaning, Unbalanced Canopy, Sparse Canopy
6	Red Cedar	Juniperus virginiana	1	12"	Poor	Many Dead Branches, Sparse Canopy, Vine Covered
7	Black Cherry	Prunus serotina	1	11"	OK-Poor	No Lower Branches, Leaning, Exposed Roots
* 8	Red Cedar	Juniperus virginiana	1	5"	Extremely Poor	Dead Branches, Broken Leader, Sparse Canopy
9	White Oak	Quercus alba	1	15"	Poor	Leaning, Exposed Roots, Broken Branches
10	Red Cedar	Juniperus virginiana	2	ML 4, 11	Poor	Exposed Roots, Leaning, Unbalanced Canopy
* 11	Red Cedar	Juniperus virginiana	1	12"	Extremely Poor	Many Dead Branches, Exposed Roots, Sparse Canopy
* 12	White Oak (Tree 64 GPS)	Quercus alba	1	18"	Poor to OK	Many Dead Branches, Mechanical Damage, Co- Dominant Leader
* 13	Mulberry	Morus	1	7"	Extremely Poor	Weak Attachment, Many Dead Branches, Open Wounds
* 14	Red Cedar	Juniperus virginiana	2	ML 7, 8	Extremely Poor	Vine Covered, Broken Branches, Sparse Canopy
15	White Ash	Fraxinus americana	1	6"	ОК	Open Wounds, Co- Dominant Leader, Full Canopy
* 16	Pin Oak (Tree 65 GPS)	Quercus palustris	1	24"	Poor to OK	Exposed Root Flare, Many Dead Branches, No Lower Branches
17	Red Cedar	Juniperus virginiana	1	13"	ОК	Open Wounds, Dead Branches, Sparse Canopy
* 18	Cherry Species	Prunus spp.	1	5"	Extremely Poor	Dead Leader, Broken Branches, Unbalanced Canopy
*1 9	Pin Oak (Tree 69 GPS)	Quercus palustris	1	24"	Extremely Poor	Mechanical Damage, Broken Branches, Sparse Canopy

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Raymond C. Liotta

NEW JERSEY LICENSED LANDSCAPE ARCHITECT
LICENSE NUMBER: AS00036
MASER CONSULTING, INC.
N.J. C.O.A. #: 24GA27986500

PRELIMINARY AND FINAL MAJOR SITE PLAN

FOR

483 - 485 ELIZABETH AVENUE

> BLOCK 507.14 LOTS 61 & 62

FRANKLIN TOWNSHIP SOMERSET COUNTY NEW JERSEY



1000 Waterview Drive Suite 201 Hamilton, NJ 08691 Phone: 609.587.8200 Fax: 609.587.8260

ĺ	SCALE:	DATE:		DRAWN BY:	CHEC					
	AS SHOWN	10/30/20		JRD						
ı	PROJECT NUMBE	R:	DRAWI	NG NAME:						
	19000649	Α	C-TREE	E						
	CLIEFT TITLE									

HEET TITLE:

TREE REMOVAL PLAN

7 NUMBER: 2 OF 3

NOT BE REMOVED.

2. ** NEXT TO TREE NUMBER INDICATES ISOLATED TREE IN CALIPER
RANGE OF 4-15". THESE ARE INCLUDED IN CALCULATIONS ON PAGE 3
UNLESS EXCLUDED DUE TO EXTREMELY POOR CONDITION.

TREE REMOVAL CALCULATION NOTES

1. THE TOTAL WOODED AREA TO BE DISTURBED IS APPROXIMATELY 106,526 SF OR 2.45 ACRES.

2. TREE INVENTORY WAS CONDUCTED ON OCTOBER 1-2 2020 BY MASER CONSULTING, P.A. USING GPS METHODS.

3. PER ORDINANCE CHAPTER 222 SECTION 4(G): REMOVAL OF DEAD, DISEASED, OR OTHER TREE WITH WHICH THERE IS RISK TO LIFE OR PROPERTY HAVE BEEN EXEMPT FROM THE REMOVAL CALCULATIONS.

4. PER ORDINANCE CHAPTER 222 SECTION 5.1(D): PROPOSED 2 ½" CALIPER DECIDUOUS TREES AND 6' HIGH EVERGREEN TREES HAVE BEEN CREDITED TOWARDS THE REPLACEMENT REQUIREMENTS OF THIS PLAN.

5. FOR THE PURPOSES OF CALIPER CALCULATIONS OF MULTI-LEADER SPECIES, CALIPER DIAMETERS HAVE BEEN TALLIED FOR A TOTAL CALIPER DIAMETER WHICH IS REPRESENTED IN THE CHARTS. IT SHOULD BE NOTED THAT THIS DIAMETER IS AN ESTIMATE FOR CALIPER REMOVAL ONLY AND THE ACTUAL SIZE AT THE BASE OF THE TREE MAY VARY IN FIELD.

TREE REMOVAL CALCULATIONS - TREES 4-15"

PER ORDINANCE CHAPTER 222 SECTION 5.1(A): TREES WITH A DBH EQUAL TO OR GREATER THAN FOUR INCHES AND LESS THAN 16 INCHES SHALL BE REPLACED BASED UPON THE PERCENTAGE OF TREES REMOVED AS SET FORTH IN THE BELOW TABLE:

PERCENTAGE OF TREES REMOVED	PERCENTAGE OF REPLACEMENT TREES REQUIRE
80-100%	80%
60-79%	60%
40-59%	40%
20-39%	20%
Less than 20%	10%

APPROXIMATE 4-15" TREES ON SITE = 41 TREES PER ACRE X 4.2 ACRES = 172 TREES + 34 ISOLATED TREES = 206 TREES TOTAL APPROXIMATE 4-15" TREES TO BE REMOVED = 135 TREES

PERCENTAGE OF TREES BEING REMOVED = 66% REQUIRED PERCENTAGE REPLACEMENT = 60%

135 TREES REMOVED x 60% REPLACEMENT = 81 TREES REQUIRED AT 2.5" CAL. MIN. (DECIDUOUS) OR 6' TALL MIN. (EVERGREEN)

(SEE STUDY BLOCK SUMMARY CHARTS THIS SHEET FOR SUPPORTING DATA) (TREES 16" AND GREATER HAVE BEEN EXCLUDED FROM THESE CALCULATIONS AND ARE CALCULATED SEPARATELY BELOW)

TREE REMOVAL CALCULATIONS - TREES 16" AND GREATER

PER ORDINANCE CHAPTER 222 SECTION 5.1(B): TREES WITH A DBH EQUAL TO OR GREATER THAN 16 INCHES SHALL BE REPLACED BASED ON THE BELOW TABLE:

TREES TO BE REMOVED	REPLACEMENT TREES REQUIR
Less than 18	3
Less than 21	4
Less than 24	5
Less than 27	6
Less than 29	7
Less than 31	8
Less than 33	9
Less than 35	10
Less than 37	11
Less than 39	12
Less than 40	13
Less than 41	14
41 inches or greater	15

LESS THAN 18" = 5 TREES x 3 COMPENSATORY TREES = 15 TREES REQUIRED AT 2 1" CALIPER MIN OR 6' TALL MIN. (EVERGREEN). LESS THAN 21" = 9 TREES x 4 COMPENSATORY TREES = 36 TREES REQUIRED AT 2 1" CALIPER MIN. OR 6' TALL MIN. (EVERGREEN). LESS THAN 24" = 6 TREES x 5 COMPENSATORY TREES = 30 TREES REQUIRED AT 2 1" CALIPER MIN. OR 6' TALL MIN. (EVERGREEN). LESS THAN 27" = 5 TREES x 6 COMPENSATORY TREES = 30 TREES REQUIRED AT 2 ½" CALIPER MIN. OR 6' TALL MIN. (EVERGREEN). LESS THAN 29" = 2 TREES x 7 COMPENSATORY TREES = 14 TREES REQUIRED AT 2 1/2" CALIPER MIN. OR 6' TALL MIN. (EVERGREEN). LESS THAN 31" = 1 TREES x 8 COMPENSATORY TREES = 8 TREES REQUIRED AT $2\frac{1}{2}$ " CALIPER MIN. OR 6' TALL MIN. (EVERGREEN). LESS THAN 33" = 2 TREES x 9 COMPENSATORY TREES = 18 TREES REQUIRED AT 2 1/2" CALIPER MIN. OR 6' TALL MIN. (EVERGREEN). LESS THAN 35" = **NO TREES REMOVED** LESS THAN 37" = **NO TREES REMOVED**. LESS THAN 39" = **NO TREES REMOVED** LESS THAN 40" = 1TREES x 13 COMPENSATORY TREES = 13 TREES REQUIRED AT 2 1" CALIPER MIN. OR 6' TALL MIN. (EVERGREEN). LESS THAN 41" = **NO TREES REMOVED** 41" OR GREATER = 1 TREES x 15 COMPENSATORY TREES = 15 TREES REQUIRED AT 2 1" CALIPER MIN. OR 6' TALL MIN. (EVERGREEN).

TREES REQUIRED = 179 COMPENSATORY TREES AT $2\frac{1}{2}$ " CALIPER MIN (DECIDUOUS) OR 6' TALL(EVERGREEN).

TOTAL TREES REQUIRED:

81 TREES 4-15" + 179 TREES 16" AND GREATER = 260 TOTAL REPLACEMENT TREES REQUIRED

TREES PROVIDED ON LANDSCAPE PLAN (SEE SHEETS 37-43 OF 58): 75 SHADE/FLOWERING TREES AT $2\frac{1}{2}$ - 3" CALIPER 185 EVERGREEN TREES AT 6-7' HEIGHT 260 REPLACEMENT TREES PROVIDED

STUDY BLOCK Total area of Study Block 1 i			K 2 SUMMARY 2 is 10,000 SF or 0.23 acres	STUDY BLOCK 3 SUMMARY Total area of Study Block 3 is 10,000 SF or 0.23 acres		
CALIPER RANGE	TOTAL TREES	CALIPER RANGE	TOTAL TREES	CALIPER RANGE	TOTAL TREES	
4-15" TREES	9	4-15" TREES	9	4-15" TREES	10	
TREES EXCLUDED DUE TO SIZE OR CONDITION	10"	TREES EXCLUDED DUE TO SIZE OR CONDITION	18	TREES EXCLUDED DUE TO SIZE OR CONDITION	9	

TOTAL FOR CALCS**

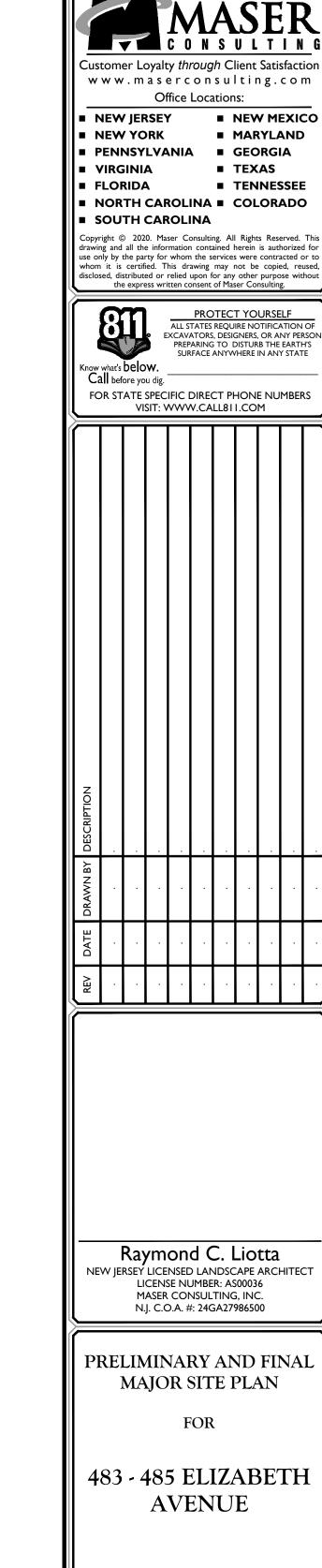
TOTAL TREES TO BE REMOVED

TOTAL FOR CALCS**

30,000 SF OR Total area of study blocks inventoried = 0.69 AC 106,526 SF Total wooded area to be disturbed = OR 2.45 AC 183,322 SF Total wooded area = OR 4.2 ACRES

CALIPER RANGE	SB 1		SB 3	OTHER	TREES INVENTORIED	TREES PER ACRE	TOTAL TREES IN 2.45 ACRE DISTURBANCE AREA
4-15" TREES ^	9	9	10	N/A	28	41	101
ISOLATED GPS LOCATED TREES 4-15"	N/A	N/A	N/A	34	34	N/A	34
TOTAL							135

TOTAL FOR CALCS**



Raymond C. Liotta NEW JERSEY LICENSED LANDSCAPE ARCHITECT LICENSE NUMBER: AS00036 MASER CONSULTING, INC.

■ NEW MEXICO

MARYLAND

■ TENNESSEE

■ TEXAS

EXCAVATORS, DESIGNERS, OR ANY PERSO PREPARING TO DISTURB THE EARTH'S SURFACE ANYWHERE IN ANY STATE

PRELIMINARY AND FINAL MAJOR SITE PLAN

FOR

483 - 485 ELIZABETH **AVENUE**

> BLOCK 507.14 LOTS 61 & 62

FRANKLIN TOWNSHIP SOMERSET COUNTY **NEW JERSEY**



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JRD AS SHOWN 10/30/20

TREE REMOVAL PLAN

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

3 OF 3