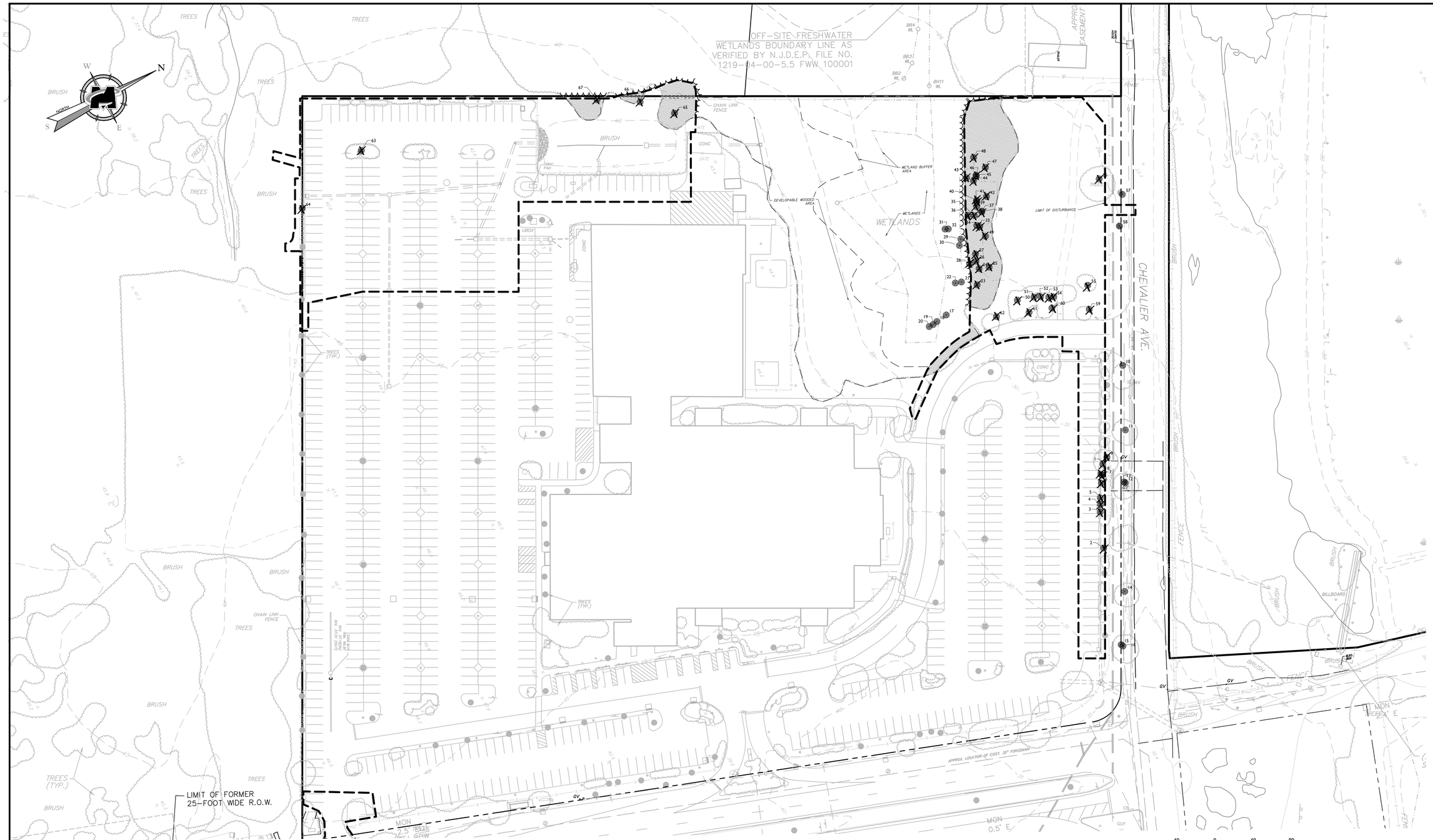

SCALE : 1" = 40'

GENERAL NOTES

1. THIS SHEET IS TO BE USED FOR TREE LOCATION AND REMOVAL PURPOSES ONLY.
2. REFER TO SHEET 1 FOR GENERAL NOTES.

TREE INVENTORY NOTES

1. REFER TO SHEET 2 FOR TREE SPECIES, SIZES, AND TREE CONDITION NOTES.
2. TREES 4" CALIPER AND GREATER WERE GPS LOCATED ON FRIDAY THE 15TH OF JANUARY 2021 BY MASER CONSULTING AND LOCATIONS ARE SHOWN ON THIS PLAN.
3. THE TOTAL WOODED AREA TO BE REMOVED IS 0.3 ACRES, AND IS SHOWN HATCHED ON PLAN.

TREE INVENTORY LEGEND

TREE NUMBER — GPS LOCATED TREE SIZED 4" OR GREATER

TREE NUMBER — GPS LOCATED TREE SIZED 4" OR GREATER TO BE REMOVED

WOODLAND AREA TO BE REMOVED

LIMIT OF DISTURBANCE (LOD)

DEVELOPABLE WOODED AREA

CHAPTER XXX - TREE CONSERVATION AND REFORESTATION

1. 30-7 - STANDARDS.

A. (b)(5) FOR REMOVED TREES BETWEEN FOUR (4") AND SIXTEEN (16") INCHES DIAMETER AT BREAST HEIGHT (DBH)

PERCENTAGE OF TREES REMOVED FROM WOODED ACRES PERMITTED FOR DEVELOPMENT	PERCENTAGE OF REMOVED TREES TO BE REPLACED WITH TREES OF THREE (3") INCHES DBH OR GREATER
80 TO 100	80
60 TO 79	60
40 TO 59	40
20 TO 39	**20**
LESS THAN 20	10

TOTAL DEVELOPABLE WOODED AREA = 34,275 SF

TOTAL WOODED AREA TO BE REMOVED = 10,319 SF

10,319 / 34,275 = 30 PERCENT WOODED AREA TBR (20 PERCENT REPLACEMENT FACTOR)

44 TREES 4-16" TO BE REMOVED IN THE TOTAL DEVELOPABLE WOODED AREA OF 34,275 SF
44 TREES / 0.30 = 147 TREES ESTIMATED IN ENTIRE DEVELOPABLE WOODED AREA
44 X 0.2 = 9 TREES AT 3" CAL. MIN. REQUIRED REPLACEMENT

FOR REMOVED TREES OF SIXTEEN (16") INCHES OR GREATER DIAMETER AT BREAST HEIGHT (DBH)

EXISTING TREE TO BE REMOVED (DBH)	NUMBER OF TREES TBR ON PLAN	NUMBER OF REPLACEMENT TREES OF THREE (3") INCHES DBH OR GREATER	TOTAL REPLACEMENT TREES REQUIRED (3" CAL. MIN.)
LESS THAN 18 INCHES	0	3	0
LESS THAN 21 INCHES	3	4	12
LESS THAN 24 INCHES	0	5	0
LESS THAN 27 INCHES	1	6	6
LESS THAN 30 INCHES	0	7	0
LESS THAN 33 INCHES	0	8	0
LESS THAN 36 INCHES	0	10	0
LESS THAN 39 INCHES	0	12	0
LESS THAN 41 INCHES	0	14	0
41 INCHES AND GREATER	0	15	0
		TOTAL:	**18**

REPLACEMENT TREES REQUIRED FROM ABOVE:
9 + 18 = 27 TREES AT 3" CAL. MIN. (PER SCHEDULES)

2. 30-7 - STANDARDS
A. (c.) "THE DEVELOPMENT PLAN SHALL INCLUDE THE ADDITION OF ONE TREE FOR EVERY TWO PARKING SPACES."
REQUIRED: 96 TREES REQUIRED
PROVIDED: 30 TREES
(40 PROVIDED @ 3-3 1/2" CAL. - 10 FOR PARKING ORDINANCE REQUIREMENTS = 30 TREES PROVIDED FOR TREE REPLACEMENT ON PLAN).

TOTAL TREE REPLACEMENT REQUIRED FOR TREE CONSERVATION AND REFORESTATION REQUIREMENTS:
27 TREES (PER SCHEDULE)+ 96 TREES (PER ADDITIONAL PARKING) = 123 TREES REQUIRED
PROVIDED: 30 TREES
(123-30 TREES = 93 TREE DEFICIT)

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REV	DATE	DRAWN BY	DESCRIPTION
1	4/9/21	JRD	REVISED FOR COMPLETENESS PER REVIEW LETTER DATED 3/18/2021

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

USE VARIANCE AND PRELIMINARY AND FINAL MAJOR SITE PLAN
FOR
EPIC CHURCH

BLOCK 257
LOT 3.06

BOROUGH OF SAYREVILLE
MIDDLESEX COUNTY
NEW JERSEY

RED BANK OFFICE
Corporate Headquarters
331 Newman Springs Road
Suite 203
Red Bank, NJ 07701
Phone: 732.383.1950
Fax: 732.383.1984

SCALE:	DATE:	DRAWN BY:	CHECKED BY:
AS SHOWN	01/13/21	JRD	RCL
PROJECT NUMBER: 050005009F		DRAWING NAME: C-TREE	

SHEET TITLE:
TREE PRESERVATION PLAN

SHEET NUMBER:
1 of 2

NOTE: DO NOT SCALE DRAWINGS FOR CONSTRUCTION.

NUMBER	FID	SPECIES	SIZE (CALIPER, INCHES)	MULTI-LEADER	LEADERS (INCHES)	TOTAL	CONDITION	COMMENTS	
1		RED MAPLE	6				OK	OPEN WOUNDS EXPOSED ROOT SCARS	(TBR)
2		ARBORVITAE		YES	5, 8	13	GOOD	GOOD FORM FUL CANOPY	(TBR)
3		ARBORVITAE	7				GOOD	GOOD FORM FULL CANOPY	(TBR)
4		ARBORVITAE		YES	6, 7	13	GOOD	GOOD FORM FULL CANOPY	(TBR)
5		WHITE PINE	10				OK TO GOOD	OPEN WOUNDS GOOD FORM SPARSE CANOPY	(TBR)
6		ARBORVITAE	9				GOOD	GOOD FORM FULL CANOPY	(TBR)
7		RED CEDAR		YES	1, 1, 1, 1	4	GOOD	GOOD FORM FULL RED CEDER	(TBR)
8		ARBORVITAE		YES	6, 7, 7		GOOD	GOOD FORM FULL CANOPY	(TBR)
9		SUGAR MAPLE	10				OK	LEANING EXPOSED ROOT ENCOMBERED BARK	(TBR)
10		SUGAR MAPLE	10				GOOD	OPEN WOUNDS FULL CANOPY GOOD FORM	(TR)
11		RED MAPLE	10				OK TO GOOD	POOR FORM EXPOSED ROOT POOR PROONING	(TR)
12		RED MAPLE	10				OK	EXPOSED ROOT POOR PRUNING GOOD FORM	(TR)
13		RED MAPLE	10				OK	EXPOSED ROOT GOOD POOR PRUNING	(TR)
14		RED MAPLE	10				OK	EXPOSED ROOT GOOD FORM POOR PRUNING	(TR)
15		RED MAPLE	10				OK TO GOOD	EXPOSED ROOT GOOD FORM POOR PRUNING	(TR)
16		RED MAPLE		YES	13, 15, 17	45	POOR TO OK	LEANING BROKEN BRANCHES OPEN WOUNDS DEAD BRANCHES	(TR)
17		POPLAR	26				OK	GOOD FORM EXPOSED ROOT DEAD BRANCHES	(TR)
18		HICKORY	6				POOR TO OK	VINES DEAD BRANCHES NO LOWER BRANCHES	(TR)
19		BEECH	4				POOR	LEANING SPARSE CANOPY DEAD BRANCHES	(TR)
20		SUGAR MAPLE	11				POOR TO OK	LEANING VINES CODOMINANT	(TR)
21		PIN OAK	27				OK	OPEN WOUNDS SCARS GOOD FORM	(TR)
22		BEECH	5				POOR	VINES EXPOSED ROOT POOR FORM	(TR)
23		RED MAPLE	10				POOR TO OK	LEANING EXPOSED ROOT VINES	(TBR)
24		PIN OAK	9				POOR TO OK	LEANING NO LOWER BRANCHES EXPOSED ROOT	(TBR)
25		RED MAPLE	12				POOR TO OK	LEANING EXPOSED ROOT DEAD BRANCHES UNBALANCED	(TBR)
26		POPLAR	4				POOR TO OK	OPEN WOUNDS DEAD BRANCHES BROKEN BRANCHES	(TBR)
27		POPLAR	9				POOR TO OK	LEANING VINES DEAD BRANCHES	(TBR)
28		WHITE OAK	8				POOR	VINES DEAD BRANCHES POOR SPARSE CANOPY	(TBR)
29		POPLAR		YES	4, 5, 4, 6	19	POOR TO OK	VINES LEANING CODOMINANT DEAD BRANCHES	(TR)
30		RIVER BIRCH		YES	6, 8	14	POOR	LEANING DEAD BRANCHES CONTORTED	(TR)
31		RIVER BIRCH	6				POOR	LEANING UNBALANCED SCARS	(TR)
32		POPLAR		YES	8, 4	12	OK	LEANING CODOMINANT NO LOWER	(TR)
33		POPLAR		YES	6, 8, 4	18	POOR	LEANING CONTORTED EXPOSED ROOT	(TBR)
34		POPLAR		YES	6, 7	13	POOR	LEANING EXPOSED ROOT VINES	(TBR)
35		POPLAR		YES	5, 3	8	POOR	VINES LEANING EXPOSED ROOT	(TBR)
36		POPLAR	6				POOR	LEANING EXPOSED ROOT VINES	(TBR)
37		POPLAR	9				POOR	LEANING VINES CODOMINANT	(TBR)
38		POPLAR	10				POOR TO OK	LEANING EXPOSED ROOT CODOMINANT	(TBR)
39		POPLAR	7				POOR TO OK	VINES LEANING EXPOSED ROOT	(TBR)
40		POPLAR	5				POOR	LEANING VINES CODOMINANT DEAD BRANCHES	(TBR)
41		POPLAR	6				POOR	LEANING VINES CODOMINANT	(TBR)
42		BLACK GUM		YES	9, 10, 6	25	POOR TO OK	LEANING CONTORTED ROOT FLARE UNBALANCED	(TBR)
43		POPLAR		YES	10, 8	18	OK	LEANING EXPOSED ROOT CONTORTED	(TBR)
44		BEECH		YES	4, 2	6	POOR	LEANING VINES DEAD BRANCHES CONTORTED	(TBR)
45		POPLAR	10				POOR	LEANING CODOMINANT POOR FORM	(TBR)
46		BEECH		YES	4, 5, 7	16	POOR	LEANING BRANCHES LEANING UNBALANCED	(TBR)
47		BLACK GUM	11				POOR TO OK	OPEN WOUNDS NO LOWER BRANCHES EXPOSED ROOT	(TBR)
48		BEECH	15				OK	DEAD BRANCHES GOOD FORM VINES	(TBR)
49		WHITE PINE	11				POOR	LEANING DEAD BRANCHES VINES	(TBR)
50		WHITE PINE	10				OK	EXPOSED ROOT BROKEN BRANCHES GOOD FORM	(TBR)
51		WHITE PINE	9				OK	GOOD FORM BROKEN BRANCHES SPARSE CANOPY	(TBR)
52		WHITE PINE	9				POOR TO OK	LEANING EXPOSED ROOT CONTORTED	(TBR)
53		WHITE PINE	8				OK	LEANING DEAD BRANCHES BROKEN BRANCHES	(TBR)
54		WHITE PINE	8				OK	LEANING BROKEN BRANCHES GOOD FORM	(TBR)
55		WHITE PINE	11				POOR TO OK	LEANING POOR PRUNING FULL CANOPY	(TBR)
56		SYCAMORE	15				OK TO GOOD	LEANING EXPOSED ROOT OPEN WOUNDS	(TBR)
57		RED MAPLE	9				OK	EXPOSED ROOT GIRDLING ROOT GOOD FORM	(TR)
58		RED MAPLE	9				OK TO GOOD	EXPOSED ROOT GOOD FORM FULL CANOPY	(TR)
59		LINDEN	8				GOOD	GOOD FORM FULL CANOPY	(TBR)
60		LINDEN	9				OK TO GOOD	LEANING FULL CANOPY SUCKER GROWTH	(TBR)
61		LINDEN	9				OK TO GOOD	EXPOSED ROOT SCARS FULL CANOPY	(TBR)
62		BRADFORD PEAR	8				GOOD	EXPOSED ROOT SCARS WOUNDS	(TBR)
63		WHITE PINE	8				EXTREMELY POOR	LEANING EXPOSED ROOT BROKEN BRANCHES	(TBR)
64		RED MAPLE	6				EXTREMELY POOR	BROKEN BRANCHES CODOMINANT EXPOSED ROOT	(TBR)
65		HONEYLOCUST	13				OK	LEANING VINES EXPOSED ROOT CONTORTED	(TBR)
66		HONEYLOCUST	13				POOR	DEAD BRANCHES VINES CONTORTED	(TBR)
67		HONEYLOCUST	11				OK	DEAD BRANCHES CODOMINANT BROKEN BRANCHES	(TBR)

(TR) - TO REMAIN
(TBR) - TO BE REMOVED

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1	4/19/21	JRD	REVISED FOR COMPLETENESS PER REVIEW LETTER DATED 3/18/2021
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SCALE:	DATE:	DRAWN BY:	CHECKED BY:
AS SHOWN	01/13/21	JRD	RCL

PROJECT NUMBER:	DRAWING NAME:
05000500F	C-TREE

SHEET TITLE:
TREE PRESERVATION PLAN

SHEET NUMBER:
2 of 2

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