

Tricone

Lawrence

BLOCK: 4201.01

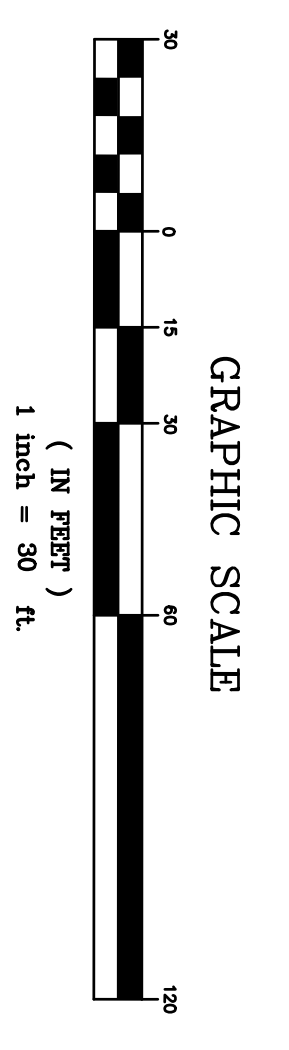
Township, NJ

LOT: 33.03

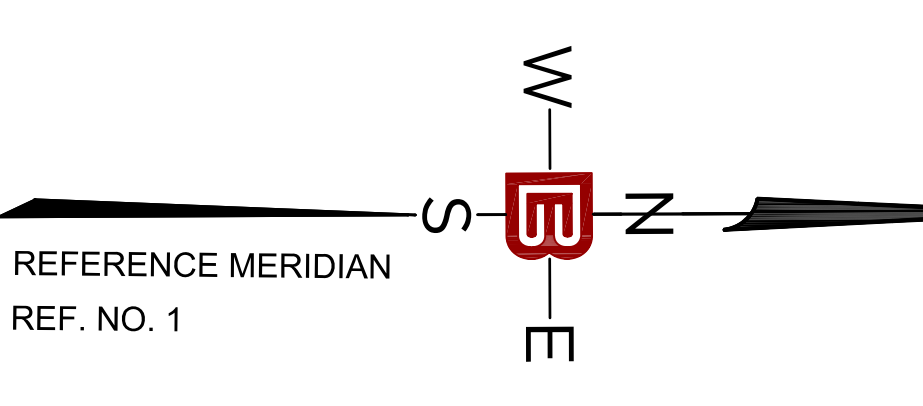
TREE REPORT/WOODLOT APPRAISAL

PREPARED BY: ZIG PANEK – LICENSED TREE EXPERT #364

FARMINGDALE, NJ



08°43' NAD83 (USRT)
NAD83 (USRT)

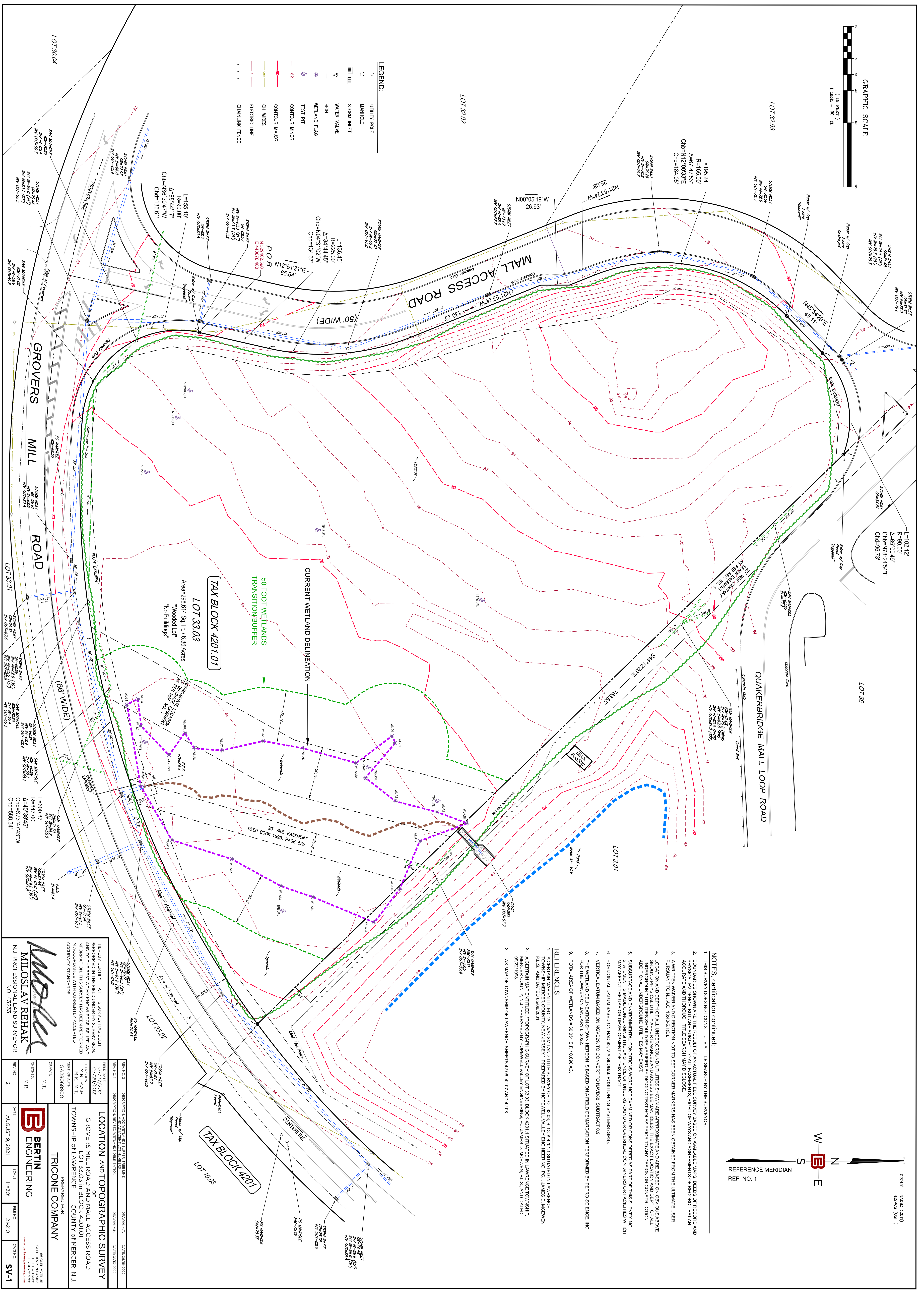


NOTES, certification continued:

1. THIS SURVEY DOES NOT CONSTITUTE A TITLE SEARCH BY THE SURVEYOR.
2. BOUNDARIES SHOWN ARE THE RESULT OF AN ACTUAL FIELD SURVEY BASED ON AVAILABLE MAPS, DEEDS OF RECORD AND PHYSICAL EVIDENCE, BUT ARE SUBJECT TO ALL EXISTING RIGHTS OF WAY AND AGREEMENTS OF RECORD THAT MAY ACCURATE AND THOROUGH TITLE SEARCH MAY DISCLOSE.
3. A WRITTEN WAIVER AND DIRECTION NOT TO SET CORNER MARKERS HAS BEEN OBTAINED FROM THE ULTIMATE USER PURSUANT TO N.J.A.C. 17:27(d). (D)
4. LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE BASED ON OBVIOUS ABOVE GROUND UTILITIES AND FIELD SURVEY. THE LOCATION AND DEPTH OF ALL UNDERGROUND UTILITIES SHOULD BE VERIFIED BY DIGGING TEST HOLES PRIOR TO ANY DESIGN OR CONSTRUCTION. ADDITIONAL UNDERGROUND UTILITIES MAY EXIST.
5. SURVEYANCE AND ENVIRONMENTAL CONDITIONS WERE NOT EXAMINED OR CONSIDERED AS PART OF THIS SURVEY. NO STATEMENT IS MADE CONCERNING THE EXISTENCE OF UNDERGROUND OR OVERHEAD CONDUITS OR FACILITIES WHICH MAY AFFECT THE USE OR DEVELOPMENT OF THIS TRACT.
6. HORIZONTAL DATUM BASED ON NAD 83, VIA GLOBAL POSITIONING SYSTEMS (GPS).
7. VERTICAL DATUM BASED ON NAVD83, TO CONVERT TO NAVD88, SUBTRACT 0.9'.
8. THE WETLAND DELINEATION SHOWN HEREON IS BASED ON A FIELD DELINEATION PERFORMED BY PETERO SCIENCE, INC. FOR THE OWNER ON JANUARY 6, 2022.
9. TOTAL AREA OF WETLANDS = 30,061 S.F. / 0.690 AC.

REFERENCES

1. AGRICULTURE MAPS OF NEW JERSEY AND THE SURVEY OF LOT 33.03, BLOCK 4201, SITUATED IN LAWRENCE TOWNSHIP, MERCER COUNTY, NEW JERSEY. PREPARED BY HOPWELL WELLS ENGINEERING, P.C., JAMES D. KOBEN, P.L.S., AND DATED 08/08/2001.
2. A CERTAIN MAP ENTITLED "TOPOGRAPHIC SURVEY OF LOT 33.03, BLOCK 4201, SITUATED IN LAWRENCE TOWNSHIP, MERCER COUNTY, N.J., PREPARED BY HOPWELL WELLS ENGINEERING, P.C., JAMES D. KOBEN, P.L.S., AND DATED 09/22/1998.
3. TAX MAP OF TOWNSHIP OF LAWRENCE, SHEETS 42.08, 42.07 AND 42.08.



LEGEND:

- UTILITY POLE
- MANHOLE
- STORM INLET
- WATER VALVE
- SIGN
- WETLAND FLAG
- TEST PIT
- CONTOUR MINOR
- CONTOUR MAJOR
- OH WIRES
- ELECTRIC LINE
- CHAINLINK FENCE

TAX BLOCK 4201.01

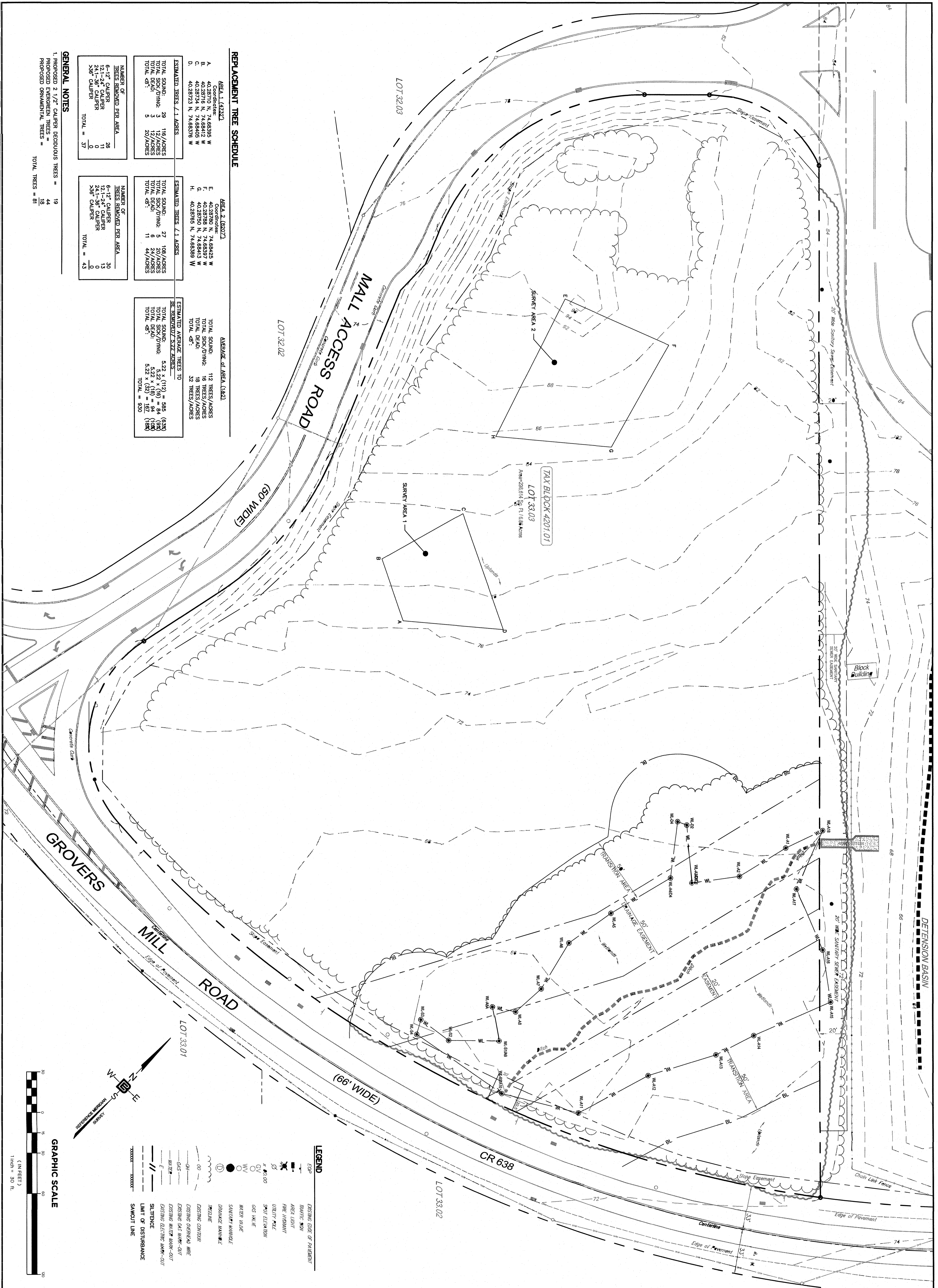
Area=298,614 Sq. Ft. / 6.86 Acres
 "Wooded Lot"
 "No Buildings"

Miloslav Rehak
 N.J. PROFESSIONAL LAND SURVEYOR
 NO. 43233

REV. NO. 1	DESCRIPTION: ADD WETLANDS DELINEATION	DATE: 06/08/2022
REV. NO. 2	DESCRIPTION: REVISED WETLANDS DELINEATION	DATE: 07/29/2021

PREPARED FOR: **TRICONE COMPANY**
 LOCATION AND TOPOGRAPHIC SURVEY
 OF
 GROVERS MILL ROAD AND MALL ACCESS ROAD
 LOT 33.03 IN BLOCK 4201.01
 TOWNSHIP OF LAWRENCE
 COUNTY OF MERCER, N.J.

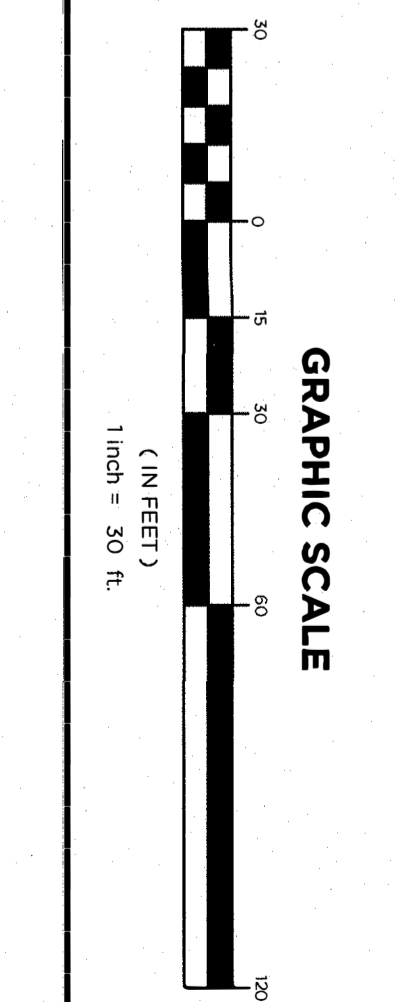
DRAWN: M.T.
 CHECKED: M.R.
 DATE: AUGUST 9, 2021
 SCALE: 1"=30'
 FILE NO: 21-210
 DWG NO: **SV-1**



REPLACEMENT TREE SCHEDULE

AREA 1 (4322)		AREA 2 (8207)		AVERAGE of AREA 1&2	
Coordinates: 4028710 N, 7468395 W					
A. 4028710 N, 7468395 W					
B. 4028715 N, 7468405 W					
C. 4028725 N, 7468375 W					
D. 4028725 N, 7468375 W					
E. 4028708 N, 7468395 W					
F. 4028708 N, 7468395 W					
G. 4028750 N, 7468415 W					
H. 4028765 N, 7468389 W					
ESTIMATED TREES / 1.1 ACRES					
TOTAL SOUND:	29	118	198	112	TREES/ACRES
TOTAL SOUNDING:	3	12	6	18	TREES/ACRES
TOTAL DEAD:	5	20	24	32	TREES/ACRES
TOTAL DBH:	118	118	118	118	TOTAL DBH
TOTAL DBH:	5	11	44	32	TREES/ACRES
TOTAL DBH:	5	11	44	32	TREES/ACRES
ESTIMATED TREES TO BE REMOVED / 5.22 ACRES					
TOTAL SOUND:	522	522	522	522	TREES/ACRES
TOTAL SOUNDING:	112	112	112	112	TREES/ACRES
TOTAL DEAD:	18	18	18	18	TREES/ACRES
TOTAL DBH:	187	187	187	187	TOTAL DBH
TOTAL DBH:	187	187	187	187	TOTAL DBH
ESTIMATED AVERAGE TREES TO BE REMOVED / 5.22 ACRES					
TOTAL SOUND:	522	522	522	522	TREES/ACRES
TOTAL SOUNDING:	112	112	112	112	TREES/ACRES
TOTAL DEAD:	18	18	18	18	TREES/ACRES
TOTAL DBH:	187	187	187	187	TOTAL DBH
TOTAL DBH:	187	187	187	187	TOTAL DBH

GENERAL NOTES
 1. PROPOSED 2 1/2" CALIPER DECIDUOUS TREES = 19
 PROPOSED EVERGREEN TREES = 44
 PROPOSED ORNAMENTAL TREES = 16
 TOTAL TREES = 81



LEGEND
 EOP: EXISTING EDGE OF PAVEMENT
 TRAFIC SIGN: TRAFIC SIGN
 AREA LIGHT: AREA LIGHT
 FIRE HYDRANT: FIRE HYDRANT
 UTILITY POLE: UTILITY POLE
 50' DET. MARK: 50' DET. MARK
 GAS VALVE: GAS VALVE
 WATER VALVE: WATER VALVE
 SANITARY MANHOLE: SANITARY MANHOLE
 DRAINAGE MANHOLE: DRAINAGE MANHOLE
 TRENCH: TRENCH
 EXISTING DRIVEWAY: EXISTING DRIVEWAY
 EXISTING DRIVEWAY W/RE: EXISTING DRIVEWAY W/RE
 EXISTING GAS MARK-OUT: EXISTING GAS MARK-OUT
 EXISTING W/LET MARK-OUT: EXISTING W/LET MARK-OUT
 EXISTING ELECTRIC MARK-OUT: EXISTING ELECTRIC MARK-OUT
 SLITDENCE: SLITDENCE
 LIMIT OF DISTURBANCE: LIMIT OF DISTURBANCE
 SAWCUT LINE: SAWCUT LINE

GRAPHIC SCALE
 (IN FEET)
 1" HIGH = 30' FT.

CLIENT: TRICONE
 2925 US-30 SUITE B4
 GRANBURY, NJ 08912

PROJECT: RESIDENTIAL DEVELOPMENT
 BLOCK 4201, LOT 33.03
 GROVERS MILL ROAD & MALL ACCESS ROAD
 TOWNSHIP OF LAWRENCE
 MERCER COUNTY, NEW JERSEY

DATE: 3-29-24

SCALE: 1" = 30'

PROJECT NO.: 21210

REVISION: 0

DRAWING NO.: C2.10

PROFESSIONAL ENGINEER: ERIC M. HOUGH, P.E.
 N.J. LIC. NO. 35827

PROFESSIONAL ENGINEER: CALISTO J. BERTIN, P.E.
 N.J. LIC. NO. 28945
 N.Y. LIC. NO. 40995
 N.H. LIC. NO. 9568
 R.I. LIC. NO. 6684

BERTIN ENGINEERING
 CIVIL • SURVEYING • TRAFFIC • STRUCTURAL • ENVIRONMENTAL • MECHANICAL • LANDSCAPE

66 GLEN AVENUE
 GLEN ROCK, NJ 07452
 P 201.670.6688
 F 201.670.9788
 www.bertinengineering.com

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WOODLOT APPRAISAL REPORT

Client: Tricone

Date: 02/2024

Location: Grovers Mill Road Lawrence Township, NJ

Block: 4201.01 **Lot:** 33.03

Woodlot Appraisal /Site Analysis

I was retained as a State Licensed Tree Expert to evaluate the existing woodlot that is being considered for development. The subject lot measures approximately 6.86 acres. The applicant proposes to clear cut this site for development. A protection fence will be installed along the limit of clearing prior to any site work taking place. The wetlands area on the Southern portion of the lot will be untouched and protected. The applicant will comply to any tree replacement provisions.



I have run an overall audit on this lot and laid out (2) 100' x 100' marked study blocks. I conducted a **Level 2** study of the tree species in each block with a DBH 8" or greater to determine the average amount of trees on the entire site and the condition of the woodlot. I have examined the area and the study blocks for: species, health, and value to the environment and community. The area information that I have used for my evaluation was from a map produced & provided by *Bertin Engineering*.

WOODLOT APPRAISAL REPORT

Client: Tricone

Date: 02/2024

Location: Grovers Mill Road Lawrence Township, NJ

Block: 4201.01 **Lot:** 33.03

Tree Condition:

When approaching the site, the poor condition of this woodlot stands out. The majority of trees in the woodlot are under 30 years old. Many trees are covered in choking vines and the ground is littered with many fallen & dead trees/limbs, invasive vines, and wild raspberry; greenbrier & multiflora rose has dominated the understory. The general health of the trees is poor & declining rapidly. Many of the trees inspected were defected, diseased or dying, many covered in choking vines. This wood lot was made up of mostly **Red Maple** (*Acer rubrum*) and **Red Oak** (*Quercus rubra*). I have observed the bulk of these trees declining, sick, dying, split, or infected. Most of them have limb damage & defects. The choking vines and storm damage have caused much of this damage. Most of these trees have crown damage from previous storms or other trees that fell on them damaging the crowns. A small population of **Sweet Gum** (*Liquidambar styraciflua*) and **Wild Black Cherry** (*Prunus serotina*) are also present. Almost no young saplings were observed at the site to continue the tree succession.

Understory Vegetation:

Invasive vines and woodys dominate the understory of the site. **Greenbriar**, which is a thorny vine that can grow up to 30' high into the trees, is present. There is also **Wild Raspberry**, which is thorny and very invasive. The choking vines that dominate the area are **Honeysuckle** and **Oriental Bittersweet**. There are also many dead limbs and fallen trees littered throughout entire understory.



WOODLOT APPRAISAL REPORT

Client: Tricone

Date: 02/2024

Location: Grovers Mill Road Lawrence Township, NJ

Block: 4201.01 **Lot:** 33.03

Tree Study Blocks Area 1 & 2

Area 1: 100' x 100' block is comprised of (40) trees, (32) of which are alive and over 8" DBH. The trees were numbered, and the area was defined using wooden stakes painted with red spray paint.

GPS Coordinates of (4) corners

- A. 40.28710° N., 74.68395° W.
- B. 40.28716° N., 74.68412° W.
- C. 40.28734° N., 74.68405° W.
- D. 40.28723° N., 74.68376° W.

Sound:	29	Sound:	116 per acre
Sick/Dying:	3	Sick/Dying:	12 per acre
Dead:	3	Dead:	12 per acre
<8" DBH:	5	<8" DBH:	20 per acre

<u>Tree Size Totals (1/4 acre)</u>	<u>Estimated/1 acre</u>
<8": 5	20
8.1-10": 11	44
10.1-12": 10	40
12.1-14": 10	40
14.1-16": 1	4



WOODLOT APPRAISAL REPORT**Client:** Tricone**Date:** 02/2024**Location:** Grovers Mill Road Lawrence Township, NJ**Block:** 4201.01 **Lot:** 33.03**Area 1**

ID#	Common Name	Botanical Name	DBH	Condition
1	Red Maple	<i>Acer rubrum</i>	8.3"	Sound
2	Red Maple	<i>Acer rubrum</i>	8.9"	Sound
3	Red Maple	<i>Acer rubrum</i>	10.2"	Sound
4	Oak variety	<i>Quercus var.</i>	9.6"	Sound
5	Red Maple	<i>Acer rubrum</i>	<8"	
6	Red Maple	<i>Acer rubrum</i>	<8"	
7	Red Maple	<i>Acer rubrum</i>	10.2"	Sound
8	Red Maple	<i>Acer rubrum</i>	10.5"	Sound
9	Sweet Gum	<i>Liquidambar styraciflua</i>	14.0"	Sound
10	Red Maple	<i>Acer rubrum</i>	10.5"	Sound
11	Red Maple	<i>Acer rubrum</i>	14.0"	Sound
12	Red Maple	<i>Acer rubrum</i>	14.0"	Sound
13	Red Maple	<i>Acer rubrum</i>	<8"	
14	Dead			
15	Red Maple	<i>Acer rubrum</i>	14.0"	Sound
16	Red Maple	<i>Acer rubrum</i>	11.5"	Sound
17	Red Maple	<i>Acer rubrum</i>	9.6"	Sound
18	Red Oak	<i>Quercus rubra</i>	12.7"	Sound
19	Red Maple	<i>Acer rubrum</i>	12.7"	Sound
20	Wild Black Cherry	<i>Prunus serotina</i>	8.6"	Sound
21	Red Maple	<i>Acer rubrum</i>	13.4"	Sound
22	Wild Black Cherry	<i>Prunus serotina</i>	9.2"	Sound
23	Red Oak	<i>Quercus rubra</i>	8.9"	Sound

WOODLOT APPRAISAL REPORT**Client:** Tricone**Date:** 02/2024**Location:** Grovers Mill Road Lawrence Township, NJ**Block:** 4201.01 **Lot:** 33.03*Area 1 continued*

ID#	Common Name	Botanical Name	DBH	Condition
24	Red Oak	<i>Quercus rubra</i>	14.0"	Sound
25	Red Oak	<i>Quercus rubra</i>	9.2"	Sound
26	Red Maple	<i>Acer rubrum</i>	10.8"	Sound
27	Red Maple	<i>Acer rubrum</i>	15.0"	Sound
28	Red Maple	<i>Acer rubrum</i>	<8"	
29	Dead			
30	Red Oak	<i>Quercus rubra</i>	10.8"	Sound
31	Red Maple	<i>Acer rubrum</i>	14.0"	Sound
32	Red Maple	<i>Acer rubrum</i>	10.8"	Sick/Dying
33	Red Maple	<i>Acer rubrum</i>	8.3"	Sick/Dying
34	Red Maple	<i>Acer rubrum</i>	<8"	
35	Red Maple	<i>Acer rubrum</i>	11.5"	Unstable
36	Red Maple	<i>Acer rubrum</i>	9.6"	Sound
37	Dead			
38	Red Maple	<i>Acer rubrum</i>	9.6"	Sound
39	Wild Black Cherry	<i>Prunus serotina</i>	10.2"	Sound
40	Red Maple	<i>Acer rubrum</i>	12.1"	Sound

WOODLOT APPRAISAL REPORT

Client: Tricone

Date: 02/2024

Location: Grovers Mill Road Lawrence Township, NJ

Block: 4201.01 **Lot:** 33.03

Area 2: 100' x 100' block is comprised of (49) trees, (32) of which are alive and over 8" DBH. The trees were numbered, and the area was defined using wooden stakes painted with red spray paint.

GPS Coordinates of (4) corners

- E. 40.28780° N., 74.68425° W.
- F. 40.28788° N., 74.68397° W.
- G. 40.28750° N., 74.68413° W.
- H. 40.28765° N., 74.68389° W.

Sound:	27	Sound:	108 per acre
Sick/Dying:	5	Sick/Dying:	20 per acre
Dead:	6	Dead:	24 per acre
<8" DBH:	11	<8" DBH:	44 per acre

Tree Size Totals (1/4 acre) Estimated/1 acre

<8":	11	44
8.1-10":	17	68
10.1-12":	2	8
12.1-14":	5	20
14.1-16":	6	24
16.1-18":	1	4
18.1-20":	1	4



WOODLOT APPRAISAL REPORT**Client:** Tricone**Date:** 02/2024**Location:** Grovers Mill Road Lawrence Township, NJ**Block:** 4201.01 **Lot:** 33.03**Area 2**

ID#	Common Name	Botanical Name	DBH	Condition
1	Red Maple	<i>Acer rubrum</i>	8.6"	Sick/Dying
2	Dead			
3	Red Maple	<i>Acer rubrum</i>	18.5"	Sound
4	Wild Black Cherry	<i>Prunus serotina</i>	15.3"	Sound
5	Red Maple	<i>Acer rubrum</i>	13.4"	Sound
6	Sweet Gum	<i>Liquidambar styraciflua</i>	13.7"	Sound
7	Red Maple	<i>Acer rubrum</i>	8.6"	Sound
8	Dead			
9	Red Maple	<i>Acer rubrum</i>	12.1	Sound
10	Wild Black Cherry	<i>Prunus serotina</i>	9.2"	Sick/Dying
11	Red Maple	<i>Acer rubrum</i>	9.9"	Sound
12	Red Maple	<i>Acer rubrum</i>	<8"	
13	Red Maple	<i>Acer rubrum</i>	<8"	
14	Red Maple	<i>Acer rubrum</i>	<8"	
15	Red Oak	<i>Quercus rubra</i>	<8"	
16	Red Maple	<i>Acer rubrum</i>	8.9"	Sound
17	Red Oak	<i>Quercus rubra</i>	<8"	
18	Red Oak	<i>Quercus rubra</i>	10.8"	Sound
19	Red Maple	<i>Acer rubrum</i>	9.2"	Sound
20	Dead			
21	Sweet Gum	<i>Liquidambar styraciflua</i>	15.3"	Sound
22	Red Oak	<i>Quercus rubra</i>	10.8"	Sound
23	Red Maple	<i>Acer rubrum</i>	9.2"	Sound

WOODLOT APPRAISAL REPORT**Client:** Tricone**Date:** 02/2024**Location:** Grovers Mill Road Lawrence Township, NJ**Block:** 4201.01 **Lot:** 33.03*Area 2 continued*

ID#	Common Name	Botanical Name	DBH	Condition
24	Red Maple	<i>Acer rubrum</i>	<8"	
25	Red Oak	<i>Quercus rubra</i>	15.9"	Sound
26	Red Maple	<i>Acer rubrum</i>	13.1"	Sound
27	Red Maple	<i>Acer rubrum</i>	8.9"	Sound
28	Red Maple	<i>Acer rubrum</i>	<8"	
29	Dead			
30	Red Maple	<i>Acer rubrum</i>	8.9"	Sound
31	Red Maple	<i>Acer rubrum</i>	<8"	
32	Red Oak	<i>Quercus rubra</i>	8.3"	Sound
33	Dead			
34	Dead			
35	Red Oak	<i>Quercus rubra</i>	15.6"	Sound
36	Red Oak	<i>Quercus rubra</i>	9.9"	Sound
37	Red Oak	<i>Quercus rubra</i>	<8"	
38	Red Oak	<i>Quercus rubra</i>	14.0"	Sound
39	Red Oak	<i>Quercus rubra</i>	9.6"	Sound
40	Red Oak	<i>Quercus rubra</i>	<8"	
41	Red Oak	<i>Quercus rubra</i>	14.6"	Sick/Dying
42	Red Maple	<i>Acer rubrum</i>	8.9"	Sound
43	Wild Black Cherry	<i>Prunus serotina</i>	9.2"	Sick/Dying
44	Red Oak	<i>Quercus rubra</i>	9.9"	Sound
45	Red Oak	<i>Quercus rubra</i>	8.3"	Sound
46	Wild Black Cherry	<i>Prunus serotina</i>	8.6"	Sick/Dying
47	Sweet Gum	<i>Liquidambar styraciflua</i>	15.0"	Sound
48	Red Oak	<i>Quercus rubra</i>	16.2"	Sound
49	Red Oak	<i>Quercus rubra</i>	<8"	

WOODLOT APPRAISAL REPORT**Client:** Tricone**Date:** 02/2024**Location:** Grovers Mill Road Lawrence Township, NJ**Block:** 4201.01 **Lot:** 33.03**Total tree calculations for 6.86 acres of clear cut proposed****Area 1: 1/4 acre (40 trees)**

Sound	Sick/Dying	Dead	<8"
29	3	3	5

Area 2: 1/4 acre (49 trees)

Sound	Sick/Dying	Dead	<8"
27	5	6	11

Area 1: Trees per acre (160 trees)

Sound	Sick/Dying	Dead	<8"
116	12	12	20

Area 2: Trees per acre (196 trees)

Sound	Sick/Dying	Dead	<8"
108	20	24	44

73% (116 trees) Sound /Acre**07% (12 trees) Sick/Dying /Acre****07% (12 trees) Dead /Acre****13% (20 trees) <8" /Acre****55% (108 trees) Sound /Acre****10% (20 trees) Sick/Dying /Acre****12% (24 trees) Dead /Acre****23% (44 trees) <8" /Acre****Average of Area 1 & 2 - Total Trees: 178****Total Sound: 112 Trees****Total Sick/Dying: 16 Trees****Total Dead: 18 trees****Total <8": 32 trees****Estimated Average Trees/6.86 acres****Total Sound: 6.86 acres x (112 trees) = 768 (63%)****Total Sick/Dying: 6.86 acres x (16 trees) = 110 (09%)****Total Dead: 6.86 acres x (18 trees) = 123 (10%)****Total <8": 6.86 acres x (32 trees) = 220 (18%)**

This report describes characteristics of the trees including the type of trees, quantities of trees, and the existing overall condition.

Respectfully,

Zig Panek

Zig Panek LTE #364



GREEN TOUCH

Nursery & Landscape

Licensed Tree Expert #364
191 Asbury Rd. Farmingdale, NJ 07727

Client: Tricone

Date: 03/28/2024

Location: Grovers Mill Road Lawrence Township, NJ

Block: 4201.01 **Lot:** 33.03

Final estimated tree removal on 6.86 acres

Wetland Area: 0.690 acres

Buffer Area: 0.805 acres

Untouched Area: 0.139 acres

Total Area: 1.634 acres

Total Area of Tree removal: 5.226 acres (6.860-1.634)

Estimated total trees to be removed on 5.226 acres:

5.226 x 112 (trees/acre) = **585 trees** estimated to be removed.