

# **Trafalgar Golf and Country Club**

Arborist Report Amendment for 6728 Sixth Line, Milton, ON



51 Breithaupt Street

Kitchener, Ontario

Suite 200

Canada N2H 5G5

Telephone

519.571.9833

519.571.7424

Fax

October 18, 2023

#### SENT BY ELECTRONIC MAIL ONLY

Anatolia Investments Corporation 8300 Huntington Road Vaughan, Ontario L4L 1A5

Attention: Josh Berry

Planning Manager

# Arborist Report Amendment – Derry Green Corporate Business Park, Milton, Ontario

Please find enclosed this Arborist Report Amendment for the the Anatolia lands area of Derry Green Corporate Buisness Park development.

An Arborist Report was completed in February of 2023 providing the results of the tree inventory and recommendations for the trees located within the Anatolia lands of the Derry Green Corporate Business Park (Project Location). Since this time, significant changes have occurred within the Project Location. This Amendment has been written to provide an update of the existing conditions on the Project Location with respect to the trees present and those still required for removal. Recommendations with regards to tree preservation has also been provided within the amendment.

Sincerely,

**DILLON CONSULTING LIMITED** 

Megan Leedham, B.Sc.

ISA Certified Arborist (ON-2843A)

legen Leedhum

MML:rrk Enclosure

Our file: 19-1369

# **Table of Contents**

1.0	Introduct	tion	1
	1.1	Applicable Policies	1
2.0	Methods		3
	2.1	Inventory Methods	3
	2.2	Analysis Methods	5
	2.2.1	DBH of Multi-Stemmed Trees	5
	2.2.2	Critical Root Zone	5
	2.2.3	Analysis for Tree Remove/Retain Recommendations	6
3.0	Inventory	y Results	7
4.0	Recommo	endations	10
	4.1	Tree Removals	10
	4.2	Tree Preservation	10
	4.3	Maintenance and Pruning	11
	4.4	Tree Protection	11
	4.5	Tree Replacement	12
5.0	Conclusio	on	13_
6.0	Reference	es	12
	Figures		
	Figure 1:	Project Location	follows text
	Figure 2:	2A-2II: Tree Inventory and Preservation Plan	follows text
	Tables		
	Table 1:	Tree Condition Rating Categories	4
	Table 2:	Determination of CRZ	5
	Table 3:	Summary of Tree Species Inventoried	8





# **Appendices**

- A Tree Inventory Table
- B Tree Protection Fencing Standards



# 1.0 Introduction

Dillon Consulting Limited (Dillon) was retained by Anatolia Investments Corporation (Anatolia) to provide an Arborist Report to support the development application for planned development within lands currently occupied by the Trafalgar Golf and Country Club in Milton, Ontario. The area owned by Anatolia (herein referred to as the 'Project Location' and the 'Site') is approximately bounded by Derry Road to the northwest, Sixth<sup>th</sup> Line to the northeast, a gas utility easement to the southeast and an adjacent property to the southwest consisting of agricultural fields and a woodland, as shown on **Figure 1**. The woodland located along the western boundary of the site is larger than 0.5 ha and is mapped as a Greenland Designation area. The Greenland Designation is also present along the existing watercourse.

Since the completion of the Arborist Report for the Project Location in February 2023, the Site Alteration permit was approved (Permit #1112) and alteration of the site occurred. The majority of the previously inventoried trees within the site have been removed. This Arborist Report Amendment is to provide an updated inventory of the trees remaining on the property as well as provides updated recommendations for tree removal, preservation and protection. In addition, a Tree Inventory and Preservation Plan (TIPP; **Figure 2**) is provided and shows the locations of trees and tree protection fencing, as well as the details of the Proposed Development Plan such as the building envelopes, parking stalls, driveway etc. The extent of all work planned, including grading is shown as the Limit of Development on **Figure 2**. Trees that have been removed since the February 2023 Arborist Report are also shown on **Figure 2**.

# 1.1 Applicable Policies

As of the date of this report, the Town of Milton (the 'Town') does not have a by-law regulating the alteration or removal of trees on private or municipal property.

The Regional Municipality of Halton's Tree Conservation By-law (No. 121-05) was reviewed for its applicability to the Site. This By-law prohibits any person or corporation from destroying or injuring trees located in Woodlands 0.5 ha or larger, or in Greenlands, as designed by the Halton Region Official Plan. The majority of trees located within the Site are not located within a woodland or greenlands and therefore Regional By-law No.121-05 would not be applicable. As there are some trees present within the mapped Greenland designation area and Woodland larger than 0.5 ha, the by-law is applicable to these areas.



The Region's by-law no. 121-05 states "no trees within woodlands or Greenlands shall be destroyed or injured within the Region". This by-law is applicable to trees located within woodlands >0.5ha, as well as all 'Greenlands outside woodlands 0.5 ha or larger, upon delegation of such authority by each local municipality to the Region, under section 135 (10) of the Municipal Act.'. However, Section 4 of the by-law provides exceptions to this restriction. The exceptions include:

- d) the Injuring or destruction of Trees imposed after December 31, 2002, as a condition to the approval of a site plan, a plan of subdivision or a consent under Sections 41, 51 or 53, respectively, of The Planning Act or as a requirement of a site plan agreement or subdivison agreement entered into under those Sections; or
- e) the Injuring or destruction of Trees imposed as a condition to a development permit authorized by regulation made under Section 70.2 of The Planning Act or as a requirement of an agreement entered into under the regulation.

As injury or destruction of these trees will be in accordance with the approval of a Site Alteration Permit, the exception laid out in Section 4 of the by-law will be met. This report outlines the required tree removals as part of the approval.



# 2.0 Methods

## 2.1 Inventory Methods

The initial tree inventory was conducted by Dillon arborists certified by the International Society of Arboriculture (ISA) on August 31, September 1, 9, 14, 15, 23, and 24, 2021. This inventory was then reviewed in the field on October 12, 2023. Trees that are still present on the property were documented and any changes to their health or size since the 2021 surveys were recorded.

Trees with a diameter at breast height (DBH) of 10 cm or greater within or adjacent to the Site were included in the inventory. Trees having a crown that extended into the Site were included in the inventory; this included trees along the boundaries of the Site as well as trees within the municipal rights of way. DBH is defined as the measurement of the diameter of the trunk at 1.37 m above the existing grade of the ground. For trees with multiple leaders from the same origin point below the breast height, the stems were recorded separately at the DBH height and later used to calculate the derived DBH. For the inventory, the following data were collected for each tree:

- Location of the tree;
- Identification of trees to species or to genus, where determinable;
- Measurement of DBH. For multi-stemmed trees, the DBH values of up to the five largest stems were recorded;
- A unique tree identification number. Trees in the Site were affixed with a numbered tree tag. Trees on adjacent lands where access permission was not available were not tagged; and,
- The results of a Level 2 (basic) qualitative visual assessment to determine tree health condition.

The tree inventory consisted of a detailed visual inspection of each individual tree and surrounding area to obtain a professional opinion of the overall health condition. This included a non-invasive inspection of each tree, looking at the surrounding Site conditions as well as the root taper, trunk, and scaffold branch arrangement as well as the condition of the secondary branches and leaves (if present). The hazard potential of the tree was assessed using the method outlined in the International Society of Arboriculture publication *A Photographic Guide to the Evaluation of Hazard Trees in Urban Area - 2<sup>nd</sup> Edition (Mattheny and Clark, 1994)*. Using this guide, an overall condition rating (i.e., dead, poor, fair, good or excellent) was given to each tree. The condition rating criteria used in this assessment are detailed in **Table 1** below.



<b>Table 1: Tree Condition</b>	Rating	Categ	ories
--------------------------------	--------	-------	-------

Condition	Description
Dead	A specimen tree/stand is considered dead when it has no living tissue, or where living tissue is limited to epicormic shoots or branches.
Poor	Tree in poor condition show major symptoms of decline. At least 50% of main scaffold branches are dead, missing or in diseased state. The trunk shows evidence of advanced rot, deadwood or is hollow throughout. Twig development on the main branches or throughout the canopy is poor and may have limited sucker growth. Callus growth around wounds is minimal. A tree in poor condition could decline further to become a safety hazard. Removal prior to development should be considered if it is considered a hazard tree.
Fair	Tree in fair condition show moderate symptoms of decline in lower canopy or scaffold branches, but more than 50% of scaffold branches are present and viable. The trunk shows limited evidence of rot or insect damage. Good callus growth is present near wound areas. Trees that have scaffold branches that are healthy, but are in a "Y" formation, may also be included in this category, if "included-bark" is evident as the risk of splitting or breakage increases as the tree matures. Removal or preservation of these trees depends on the location of the specimen and associated target potential, and would depend on the species, and its tolerance to grading, trenching and surviving in an urban environment. Some major arboricultural maintenance may be required and may include major scaffold or secondary branch removal, bracing and/or cabling.
Good	Tree in good condition show no symptoms of decline in the trunk, and all scaffold branches are present and are in good condition. Most scaffold branches are at right angles to the trunk, and show good vigour. Small amounts of dead wood may be present in secondary branches, but account for less than 25% of the canopy. Depending on the grading in the immediate area, a tree in good condition would be recommended for preservation. Such a tree would typically survive to maturity without major arboricultural maintenance.
Excellent	Tree in excellent condition show no symptoms of decline in trunk, scaffold or secondary branches.  Trees in this condition have an excellent growth habit and should typically survive to maturity without major arboricultural maintenance.

It should be noted that the tree inventory was completed in tandem with a coordinated tree inventory for the property to the south which together used a continuous series of tree ID numbers. Therefore, there are some gaps in the tree ID numbering system for the property.



## 2.2 Analysis Methods

#### 2.2.1 DBH of Multi-Stemmed Trees

For trees with multiple stems ≥10 cm DBH, the DBH values for each stem were recorded and input to the formula below in order to calculate a Derived DBH value. The formula is:

$$DBH_D = V([DBH_1]^2 + [DBH_2]^2 + [DBH_{...etc.}]^2)$$

where  $DBH_D$  is the derived DBH, and  $DBH_{1\dots etc.}$  are the measured DBH values of each stem.

This is a widely accepted formula used by arborists to calculate the derived DBH.

#### 2.2.2 Critical Root Zone

A tree's Critical Root Zone (CRZ) is the below-ground area containing the primary roots that are most critical to its survival and which are most susceptible to disturbance impacts. The CRZ is generally proportional to a tree's stem diameter, and as such, can be approximated as a circular area around the tree's stem with a radius estimated based on the tree's derived DBH. The CRZ also generally aligns with the extent of the tree's above-ground canopy, though canopies may extend beyond the CRZ. The approximated CRZ for each tree in the inventory was determined based on the derived DBH value ranges outlined in **Table 2**.

To determine the CRZ, the Derived DBH value of each tree was cross-referenced with the CRZ values in **Table 2**. This is adapted from the City of Toronto Parks, Forestry and Recreation Urban Forestry Tree Protection Policy and Specifications for Construction Near Trees were used. This policy and specifications were used as the Town and the Municipality of Halton does not have policies that provide this guidance.

**Derived DBH Critical Root Zone** 10 - 29 cm1.8 m 30 - 40 cm2.4 m 41 - 50 cm3.0 m 51 - 60 cm3.6 m 61 - 70 cm4.2 m 71 - 80 cm4.8 m 81 - 90 cm5.4 m 91 – 100 cm 6.0 m >100 cm 6 cm CRZ for each 1 cm diameter

**Table 2: Determination of CRZ** 





### 2.2.3 Analysis for Tree Remove/Retain Recommendations

To develop recommendations for trees to be removed or retained, each inventoried tree's CRZ was compared to the Limit of Development. This limit including all grading work that is required for the proposed development. Construction activities for the development in these areas are expected to result in disturbance to trees. The analysis was used to identify where tree impacts are expected to occur and determine, for each tree, whether it is recommended to be removed or retained, based on the following criteria:

#### Remove:

- Tree within the Limit of Development Trees located within the Limit of Development are required for removal to facilitate construction of the project;
- >35% CRZ within the Limit of Development Trees located within or near the Limit of
  Development and having >35% of their CRZ within the limit are likely to be heavily impacted,
  causing death or poor health conditions post-construction. These trees are recommended for
  removal; and,
- Condition Dead trees and trees in poor condition have the potential to be hazardous if they
  fall on a person, vehicle, equipment or sensitive property. Due to the proximity of such trees to
  the future development activities, these trees are recommended for removal.

#### Retain:

- Tree not within the Limit of Development Trees (including their CRZ) that are located entirely
  outside of the Limit of Development are identified to be retained; and,
- <35% CRZ within the Limit of Development Trees with <35% of their CRZ within the Limit of Development are expected to sustain only a low level of impact or injury to their roots and/or crown. Provided appropriate protection measures are applied, they are expected to maintain their condition, and are therefore recommended to be retained.</p>



# **Inventory Results**

3.0

Of the 1,349 trees that were inventoried in 2021, 1,059 of these trees have been removed for the proposed development. An additional six trees were observed during the 2023 site visit that were not captured in 2021. These size trees have now been included in the inventory. Five of the six trees have a DBH of less than 15 cm and therefore it is plausible that during the 2021 inventory the trees were less than the 10 cm DBH threshold for inclusion within the inventory. The sixth tree is believed to simply have been overlooked during the 2021 inventory as it is of sufficient size (20 cm DBH) that it would have been within the size criteria in 2021.

Two trees that had been inventoried in the 2021 survey and identified to be retained were accidentially removed during the site works within the Project Location. These trees were identified as trees 1380 and 1413. The trees were a Rocky Mountain Dougle Fir (*Pseudotsuga menziesii var. glauca*) in fair condition with a DBH of 16 and a White Spruce (Picea glauca) in good condition with a DBH of 60 cm, respectively.

Including the six additional trees inventoried in 2023, a total of 296 trees are present within and adjacent to the Project Location. The size and health condition of some of these trees have been updated since the 2021 inventory based on the changing conditions of each tree. Detailed tree inventory data for the existing trees, including species, DBH, condition, and other relevant information are provided in **Appendix A**. Tree locations are detailed in **Figure 2**.

Overall, 32 species of trees were documented. A summary of the tree species inventoried is detailed in **Table 3** below. The tree species inventoried are common in Ontario and none is listed as Threatened, Endangered or Special Concern under the Ontario *Endangered Species Act* (ESA), 2007. One species observed has a provincial (sub-national) conservation ranking (S-Rank) of S2: Honey-locust (*Gleditsia triacanthos*), meaning it is very rare in Ontario. One individual of this species was observed in the Site.



**Table 3: Summary of Tree Species Inventoried** 

Scientific Name	Common Name	Number of Trees
Abies balsamea	Balsam Fir	10
Acer negundo	Manitoba Maple	12
Acer platanoides	Norway Maple	27
Acer saccharinum	Silver Maple	27
Acer saccharum	Sugar Maple	5
Acer x freemanii	Freeman's Maple	3
Alnus glutinosa	European Alder	8
Amelanchier laevis	Smooth Serviceberry	3
Betula papyrifera	Paper Birch	2
Carya ovata	Shagbark Hickory	10
Crataegus crus-galli	Cockspur Hawthorn	38
Crataegus punctata	Dotted Hawthorn	1
Fraxinus americana	White Ash	3
Fraxinus pennsylvanica	Green Ash	2
Gleditsia triacanthos	Honey-locust	1
Malus pumila	Common Apple	1
Ostrya virginiana	Eastern Hop-hornbeam	1
Picea abies	Norway Spruce	8
Picea glauca	White Spruce	15
Picea pungens	Blue Spruce	7
Pinus strobus	Eastern White Pine	1
Pinus sylvestris	Scotch Pine	2
Pseudotsuga menziesii var. glauca	Rocky Mountain Douglas Fir	19
Quercus macrocarpa	Bur Oak	22
Pyrus calleryana	Callery Pear	1
Quercus rubra	Northern Red Oak	2
Salix alba	White Willow	1
Salix eriocephala	Heart-leaved Willow	3
Salix x sepulcralis	Salix alba X Salix babylonica	1
Thuja occidentalis	Eastern White Cedar	43
Tilia americana	American Basswood	12
Ulmus americana	American Elm	5
Grand Total	296	

### **Anatolia Investments Corporation**



The majority (208, or 70%) of the trees inventoried were in good condition; 1% of all trees (three trees) were in excellent condition; 26% (79 trees) were in fair condition; one tree (1%) was considered to be poor condition and six trees (2%) were determined to be dead. The majority of trees previously inventoried and determined to be in poor health condition or dead have already been removed from the site.



# Recommendations

#### 4.1 Tree Removals

4.0

Of the 296 trees inventoried in 2023, 12 trees additional trees are recommended for removal, as shown on Figure 2 and listed in the tree inventory table in Appendix A. Of the 12 trees requiring removal, six of them are in good or excellent condition with an additional 6 determined to be dead. The six dead trees are required to be removed regardless of the extent of the proposed work due to the health and safety risk. The additional six trees are the trees that were newly identified during the 2023 inventory and were not accounted for in the 2021 inventory.

Tree removals should be conducted by or under the direction of a qualified arborist following best arboricultural practices. Removal activities should avoid or minimize impacts to adjacent trees to be preserved, and timing of removals should consider the project schedule of other construction activities. It is also recommended that removals be conducted outside of the bird nesting period, which is April 1 to August 31. If tree removal must occur within this period, a wildlife sweep conducted by a qualified biologist should be completed to search for nests of bird species protected under the federal Migratory Birds Convention Act (1994), and removals should only be conducted for trees where no active nests are present. For any trees in woodlands, removals should be conducted outside the bat roosting period which is April 1 to September 30.

Where trees to be removed exist partially or wholly on adjacent lands, engagement with the adjacent landowner will be required for approval for removal of the tree. If a tree to be retained is located outside of the Site on property owned by others and will be subject to injury during the proposed work (i.e., trees with <35% CRZ within the Limit of Development), engagement with the landowners should also occur to discuss this potential injury.

#### **Tree Preservation** 4.2

The remaining 284 inventoried trees are recommended for preservation, as shown on Figure 2 and listed in the tree inventory table in Appendix A. These trees are located beyond the Limit of Development and therefore can be retained. The one rare species discussed in Section 3.0 (Honey-locust) is recommended for preservation.

Potential impacts to these trees during construction are associated with injury from physical damage to roots, trunks and branches by equipment conducting the anticipated grading and construction activities for the development. Potential impacts that could occur to trees during construction may include the following:

- Root damage or cutting by excavation equipment during construction;
- Mechanical injury to the trunk, structural roots, branches or crown by construction equipment. This could potentially result from accidental contact between construction equipment; and,



Compaction of the soil either by placement of project components or due to using heavy machinery within root zones. Soil compaction within the root zone can inhibit root growth and function, and these impacts have the potential to result in a decline in the overall condition of a tree.

The tree protection measures outlined below should be applied to the trees identified to be retained.

#### **Maintenance and Pruning** 4.3

Prior to construction activities, any overhanging limbs of trees to be retained that could be impacted by equipment should be pruned in a manner that minimizes physical damage and promotes quick wound closure and regeneration. Maintenance of limbs should be carried out by a tree care specialist under the direction of an ISA certified arborist.

During excavation adjacent to trees to be preserved, there is the potential that roots will be encountered and damaged or cut as tree roots commonly extend past a tree's dripline. As such, when roots measuring 2.5 cm or greater in diameter are encountered, root pruning is recommended to limit mechanical injure and promote proper wound closure. This work should be completed under the direction of an ISA Certified Arborist with familiarity in root pruning methods.

#### 4.4 Tree Protection

To minimize potential impacts to trees identified for preservation, a Tree Protection Zone (TPZ) should be established around each tree prior to construction. A TPZ is an arborist-defined area intended to protect a tree's crown, roots and soil to ensure impacts to overall health and stability from adjacent works are minimized. The TPZ is a circular area extending around the tree with a radius equal to the CRZ. For each tree to be retained, a TPZ is shown on the TIPP (Figure 2).

Prior to construction, tree protection barriers (fencing, hoarding) should be installed around the TPZ of each tree being preserved, where installation of a barrier is practical. The Tree Protection Guidelines in the Town of Milton Parks and Engineering Standards Manual (2014) states that a protective barrier, as a minimum, is to be located at the outer limit of the dripline of the tree unless an alternative location is approved by the Town. Recommended locations for tree protection fencing are detailed in the TIPP in Figure 2. Materials used in protective barriers are to consist of rigid page wire fencing complete with iron "T" bars placed at 2.5 m with fencing being at least 1.2 m high. See Standard Parks Drawings P-1 in **Appendix B** for additional details regarding tree protection fencing.

During construction, the TPZ should be clear of building materials, waste, soil stockpiles and construction equipment. Subject to finalization of construction plans, within the TPZ there should be:

- No construction:
- minimal grading by adding fill, excavating, trenching, scraping, dumping or disturbance;
- No storage of construction materials, equipment, soil, construction waste or debris;
- No disposal of any liquids (e.g., concrete sleuth, gas, oil, paint);



- No movement of vehicles, equipment or pedestrians; and,
- No parking of vehicles or machinery.

It is recommended that the Limit of Development be clearly defined to monitor that construction activities do not inadvertently extend beyond the Site into the driplines/root zones of adjacent trees. For individual trees to be protected the tree protection fencing follows the TPZ, to the extent possible. Where trees to be preserved are grouped together, fencing can be installed in a grouping around the perimeter, as shown on Figure 2.

#### **Tree Replacement** 4.5

Tree replacement compensation may be discussed with the Town as part of the approval process. It is anticipated that trees requiring removal based on health condition will not be required to be compensated for. If compensation for the other trees is determined to be required, opportunities for compensation for trees being removed from the Site are available within and adjacent to the Site. Proposed restoration areas will be designed within the property for compensation plantings, if applicable. Additionally, corridors and Storm Water Management blocks will have adequate space for additional compensation plantings. If additional land for tree compensation is required, a restoration area located beyond this property to the south can also be considered.



# **Conclusion**

5.0

Dillon Consulting Limited was retained by Anatolia Capital Corporation to complete an Arborist Report in support of the Site Alteration Permit for the Derry Green Corporate Buisness Park development. This report was completed in February 2023. Since this time the majority of trees within the Project Location were removed. In order to determine the existing conditions within the Project Location, a site visit was conducted in 2023. This Arborist Report outlines the results of the 2023 tree inventory site visit as well as recommendations for tree removal and preservation. General tree preservation and mitigation recommendations are also outlined in this report. Further, TIPP figures prepared for the Site and appended to this report show the locations of trees recommended for removal or preservation, the locations of tree protection fencing and the Limit of Development (Figure 2).

A total of 296 individual trees were documented within the Site and adjacent properties. Twelve of the inventoried trees are recommended for removal due to the expected impact to these trees from construction of the development, as well as as a result of their health condition (i.e. poor or dead). The remainder are recommended for preservation. Tree protection measures for these trees are detailed in a TIPP included with this report. Tree replacement requirements, if any, will be reviewed and confirmed in consultation with the Town. Recommendations for consideration from potential changes to the development are also provided.

#### **DISCLAIMER**

Dillon Consulting Limited (Dillon) has used the degree of care and skill ordinarily exercised under similar circumstances at the time the field work and reporting were performed by reputable members of the environmental consulting profession and International Society of Arboriculture (ISA) Certified Arborists practicing in Canada. This Arborist Report were prepared by Dillon for the sole benefit of Anatolia Investments Corporation. The material in the Arborist Report reflects Dillon's best judgment in light of the information available to Dillon at the time of preparation. Any use which a third party makes of this Arborist Report, or any reliance on or decisions made based on it, are the responsibilities of such third parties. Dillon accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this tree inventory.



#### References 6.0

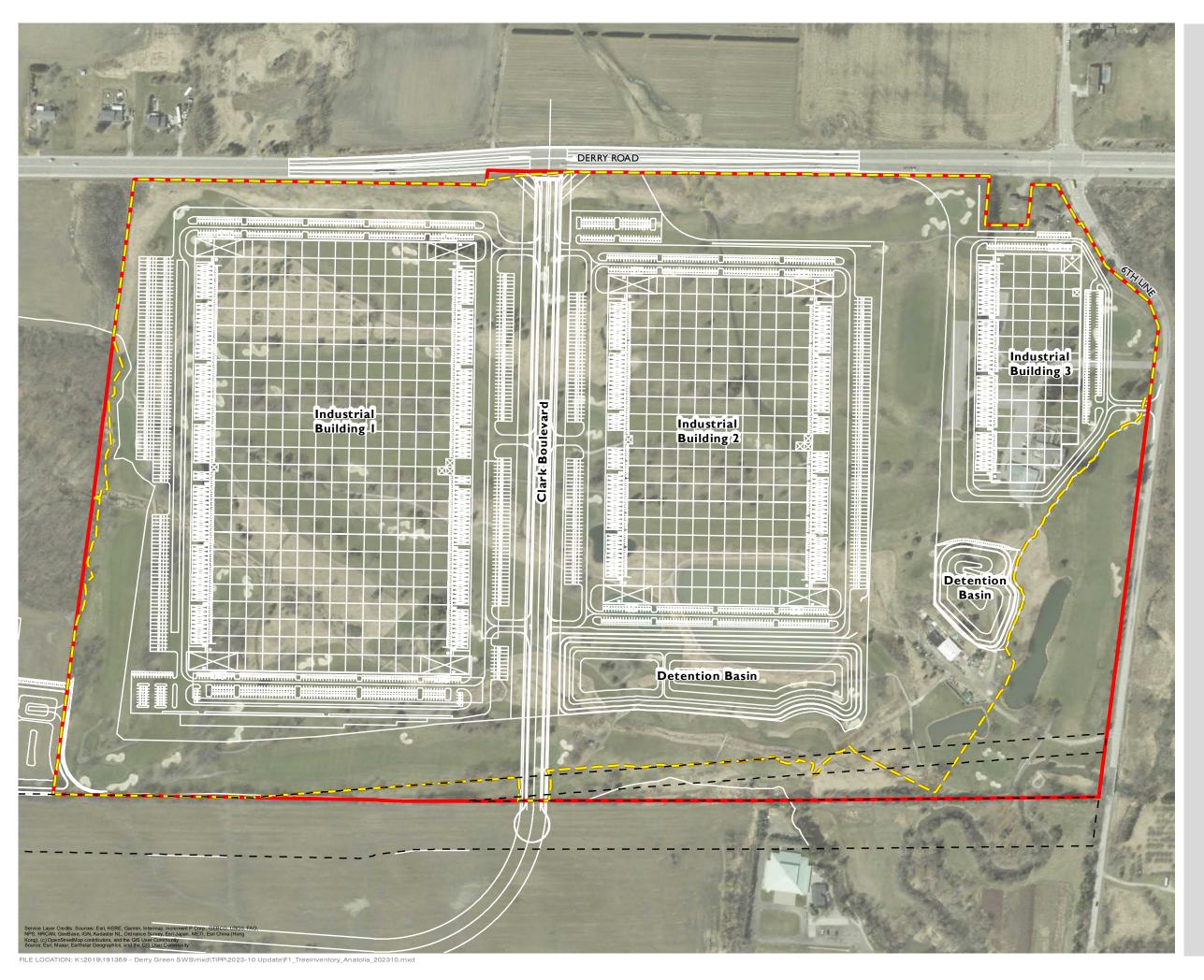
Mattheny, Nelda P. and James R. Clark. 1994. A Photographic Guide to the Evaluation of Hazard Trees in Urban Area  $-2^{nd}$  Edition. International Society of Arboriculture.

Town of Milton. 2014. Tree Protection Guidelines in Town of Milton. Parks and Engineering Standards Manual.



# **Figures**





TRAFALGAR GOLF AND **COUNTRY CLUB** 

ARBORIST REPORT - OCTOBER 2023

# PROJECT LOCATION

FIGURE I

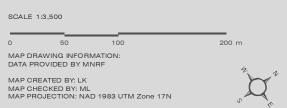
Anatolia Lands

Gas Easement

Limit of Development (Channel and Grading)

Proposed Development Plan









TRAFALGAR GOLF AND **COUNTRY CLUB** 

ARBORIST REPORT - OCTOBER 2023

## TREE INVENTORY AND **PRESERVATION PLAN**

FIGURE 2A



Proposed Development Plan

**★ -**× Proposed Tree Protection Fencing

Limit of Anatolia Development (incl. Channel)

### Tree Inventory

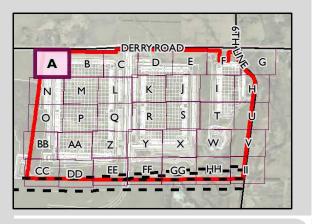
O Tree to be Retained

Tree to be Removed

☼ Removed Tree

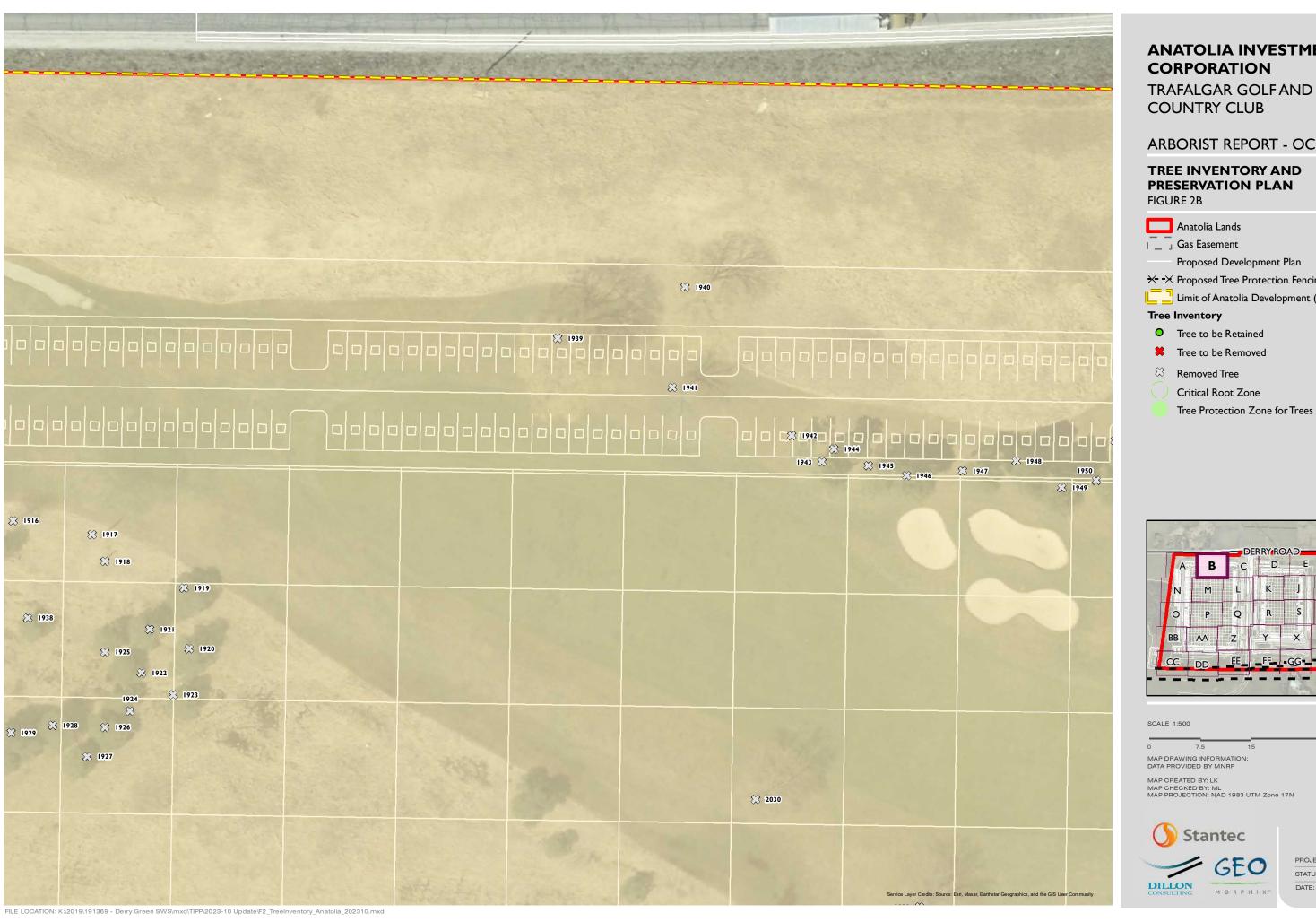
Critical Root Zone

Tree Protection Zone for Trees to be Retained









# **ANATOLIA INVESTMENTS**

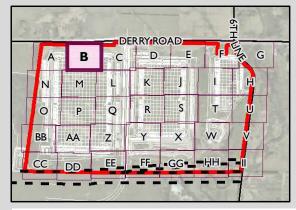
ARBORIST REPORT - OCTOBER 2023

# TREE INVENTORY AND

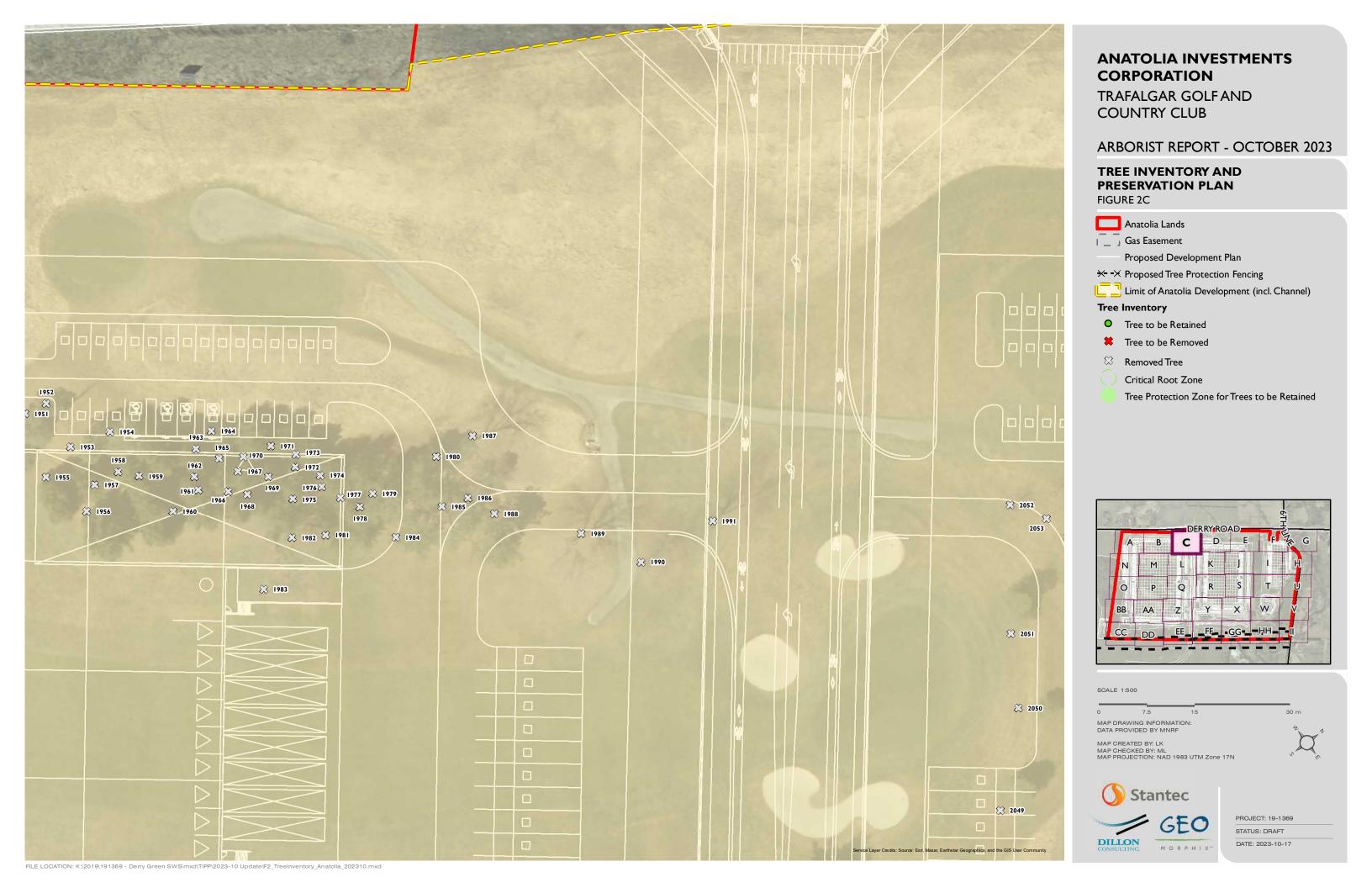


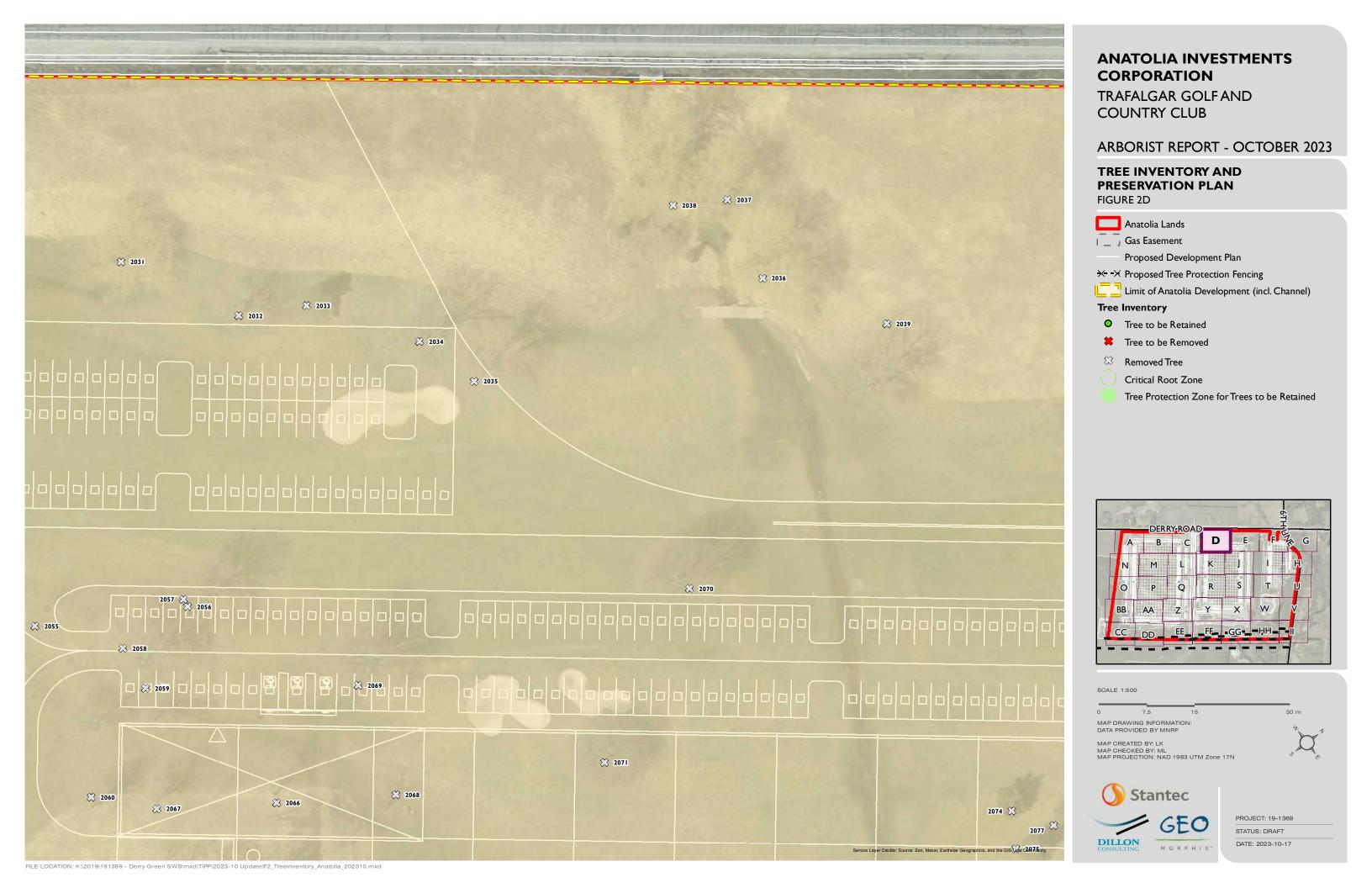
Limit of Anatolia Development (incl. Channel)

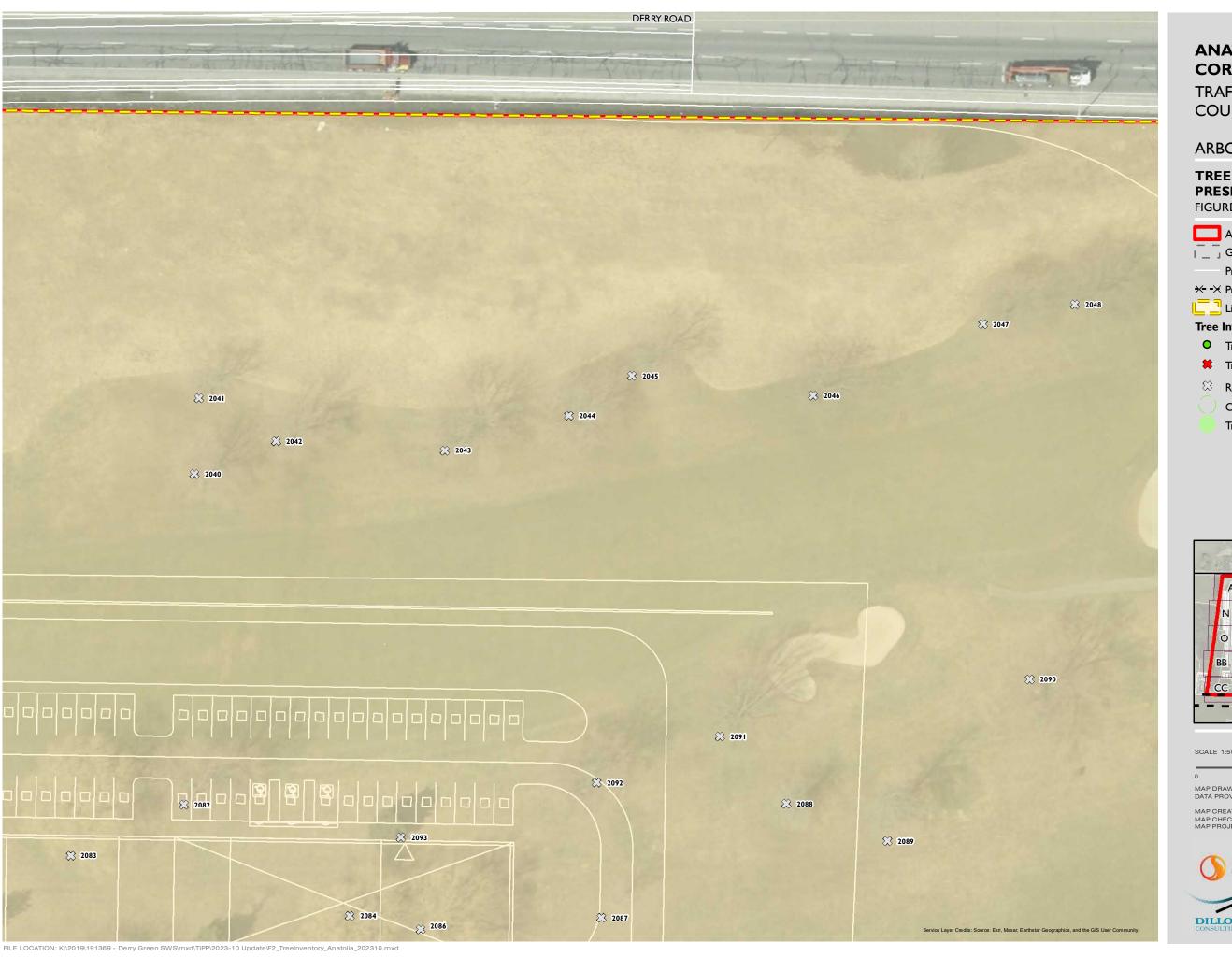
Tree Protection Zone for Trees to be Retained











TRAFALGAR GOLF AND **COUNTRY CLUB** 

ARBORIST REPORT - OCTOBER 2023

## TREE INVENTORY AND **PRESERVATION PLAN**

FIGURE 2E



Proposed Development Plan

**★ -**× Proposed Tree Protection Fencing Limit of Anatolia Development (incl. Channel)

### Tree Inventory

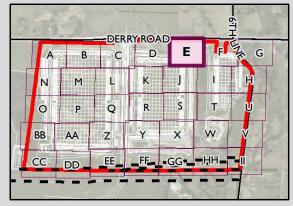
O Tree to be Retained

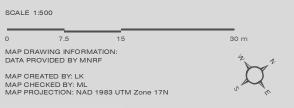
Tree to be Removed

☼ Removed Tree

Critical Root Zone

Tree Protection Zone for Trees to be Retained









TRAFALGAR GOLF AND **COUNTRY CLUB** 

ARBORIST REPORT - OCTOBER 2023

## TREE INVENTORY AND **PRESERVATION PLAN**

FIGURE 2F



Proposed Development Plan

★ = Proposed Tree Protection Fencing

Limit of Anatolia Development (incl. Channel)

### Tree Inventory

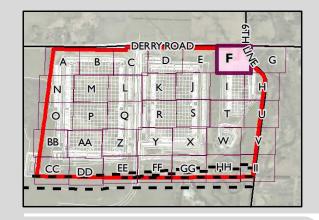
O Tree to be Retained

Tree to be Removed

☼ Removed Tree

Critical Root Zone

Tree Protection Zone for Trees to be Retained









TRAFALGAR GOLF AND **COUNTRY CLUB** 

ARBORIST REPORT - OCTOBER 2023

## TREE INVENTORY AND **PRESERVATION PLAN**

FIGURE 2G

Anatolia Lands Gas Easement

Proposed Development Plan

★ = Proposed Tree Protection Fencing

Limit of Anatolia Development (incl. Channel)

#### Tree Inventory

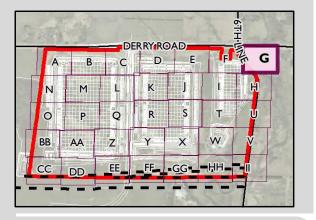
O Tree to be Retained

Tree to be Removed

☼ Removed Tree

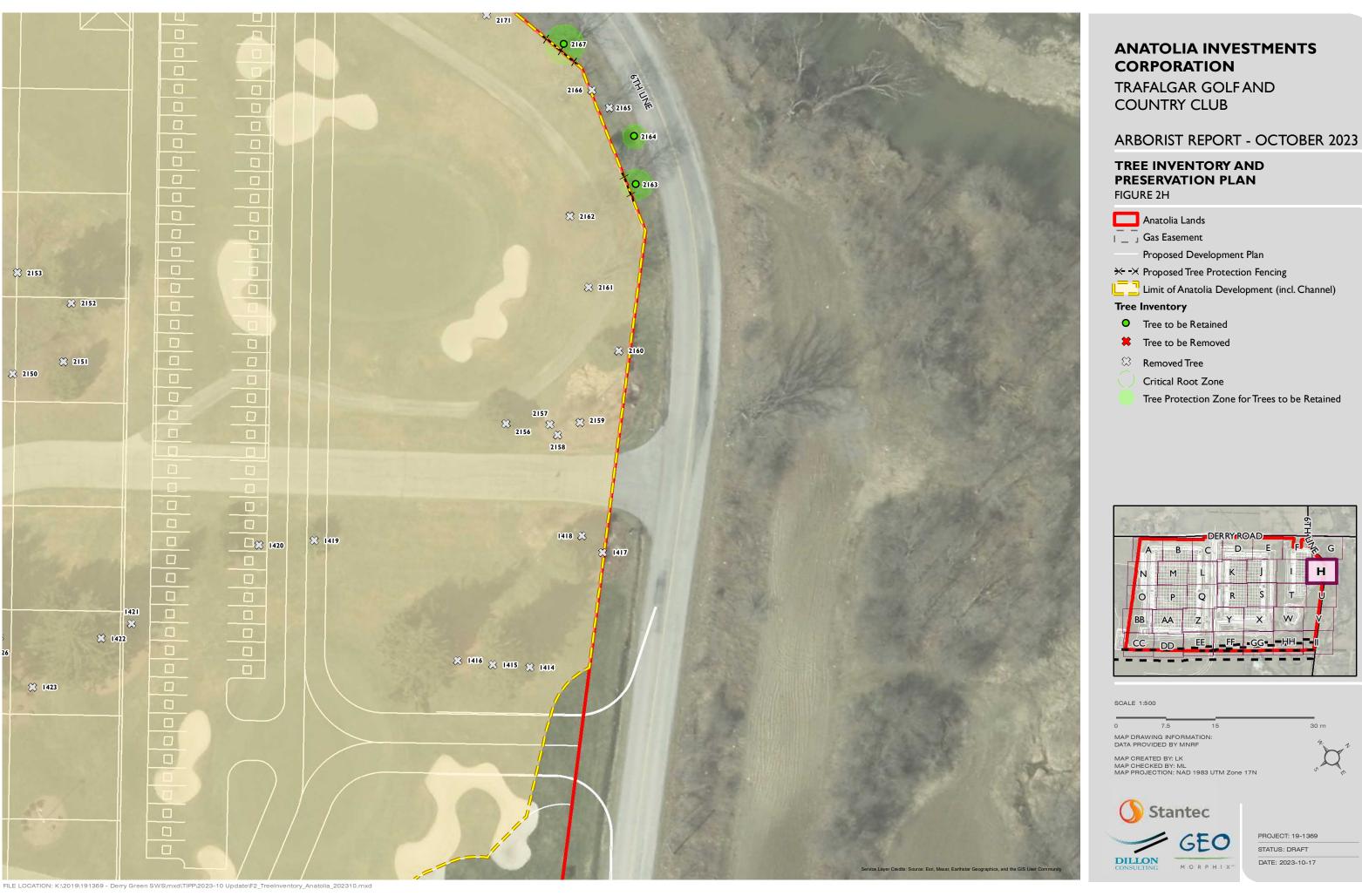
Critical Root Zone

Tree Protection Zone for Trees to be Retained



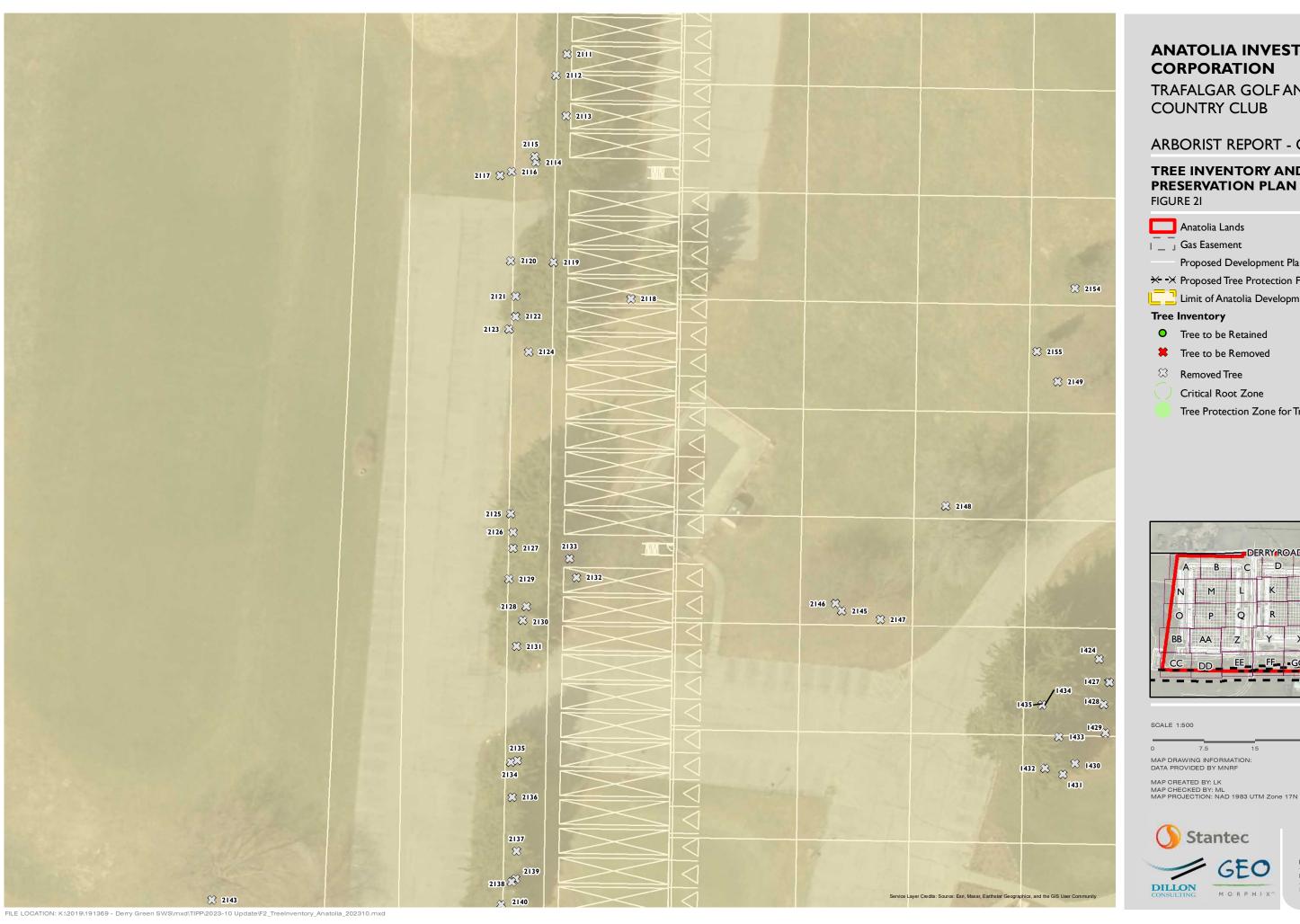






PROJECT: 19-1369 STATUS: DRAFT

DATE: 2023-10-17



# **ANATOLIA INVESTMENTS**

TRAFALGAR GOLF AND

ARBORIST REPORT - OCTOBER 2023

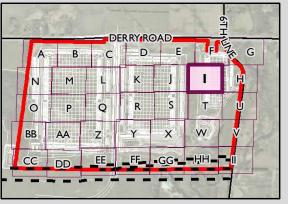
# TREE INVENTORY AND

Proposed Development Plan

**★ -**× Proposed Tree Protection Fencing

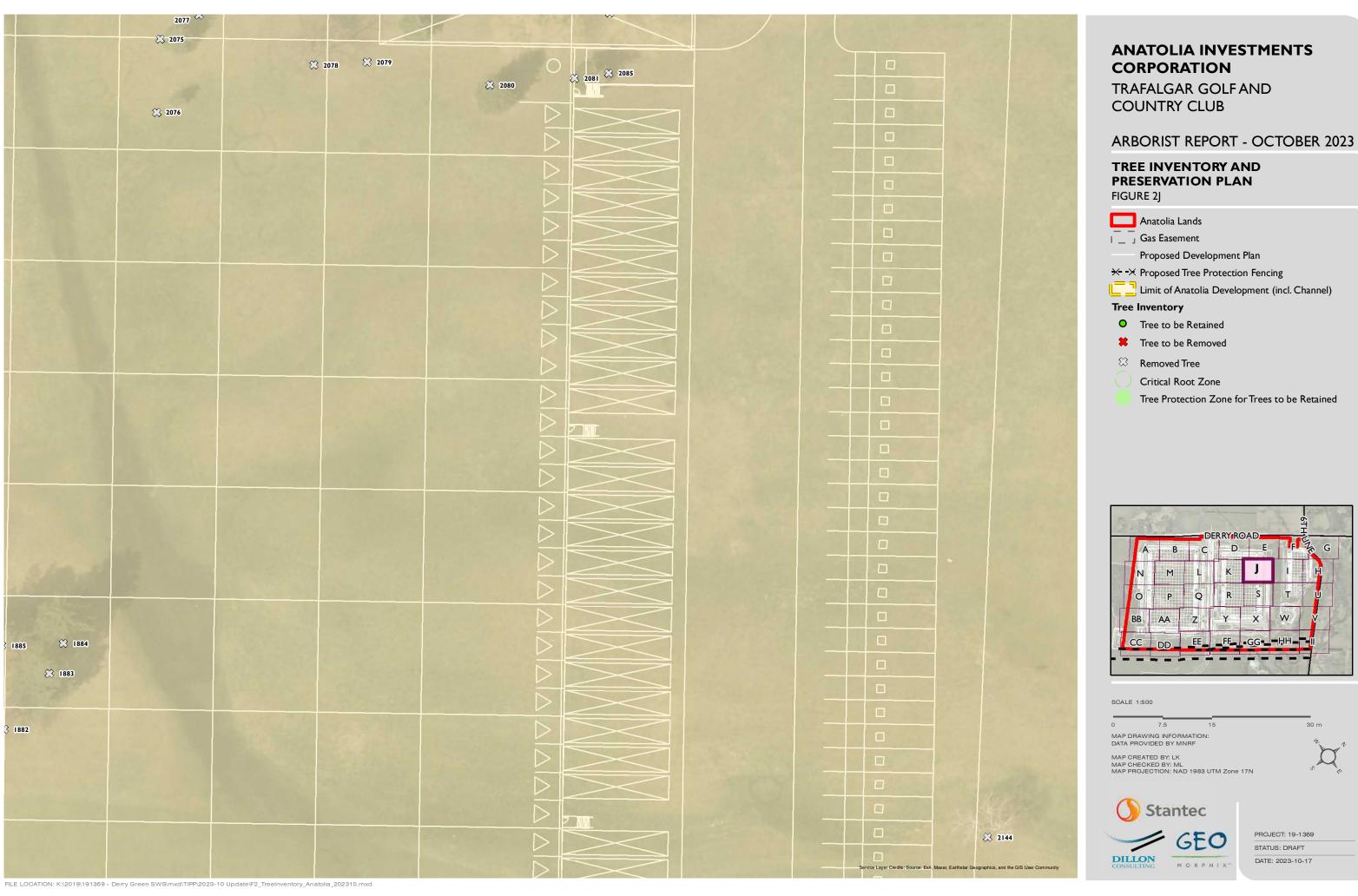
Limit of Anatolia Development (incl. Channel)

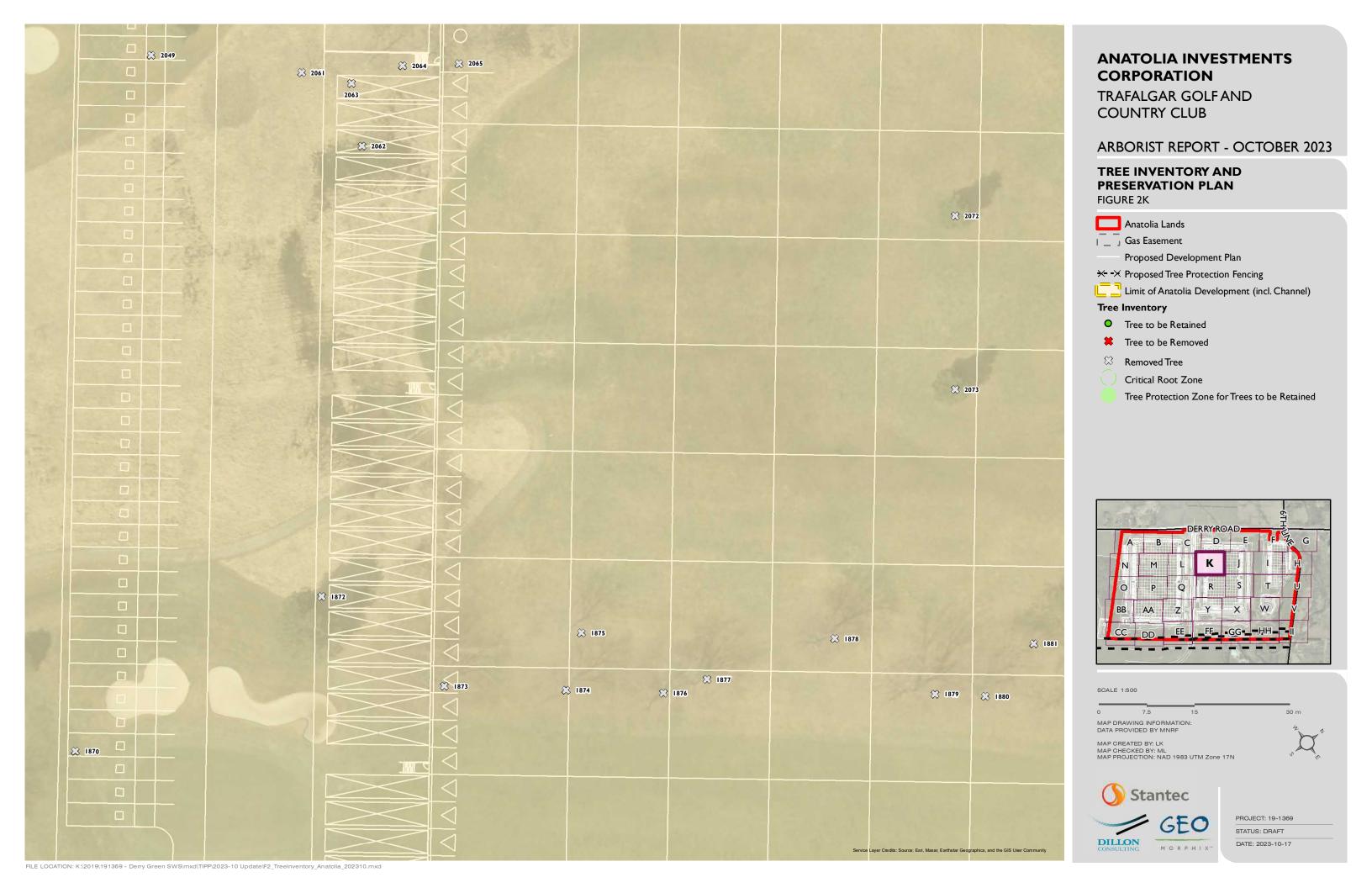
Tree Protection Zone for Trees to be Retained

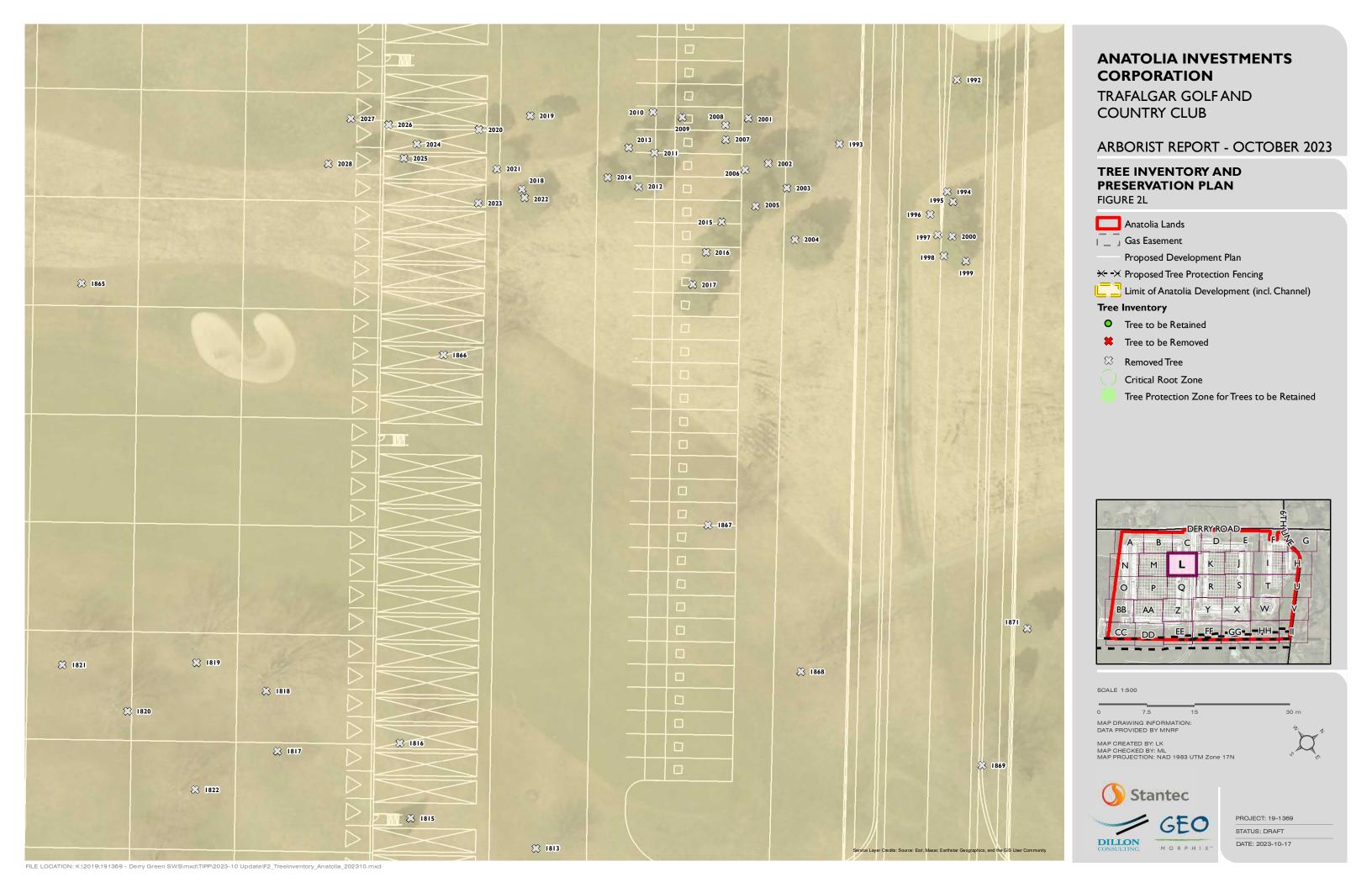


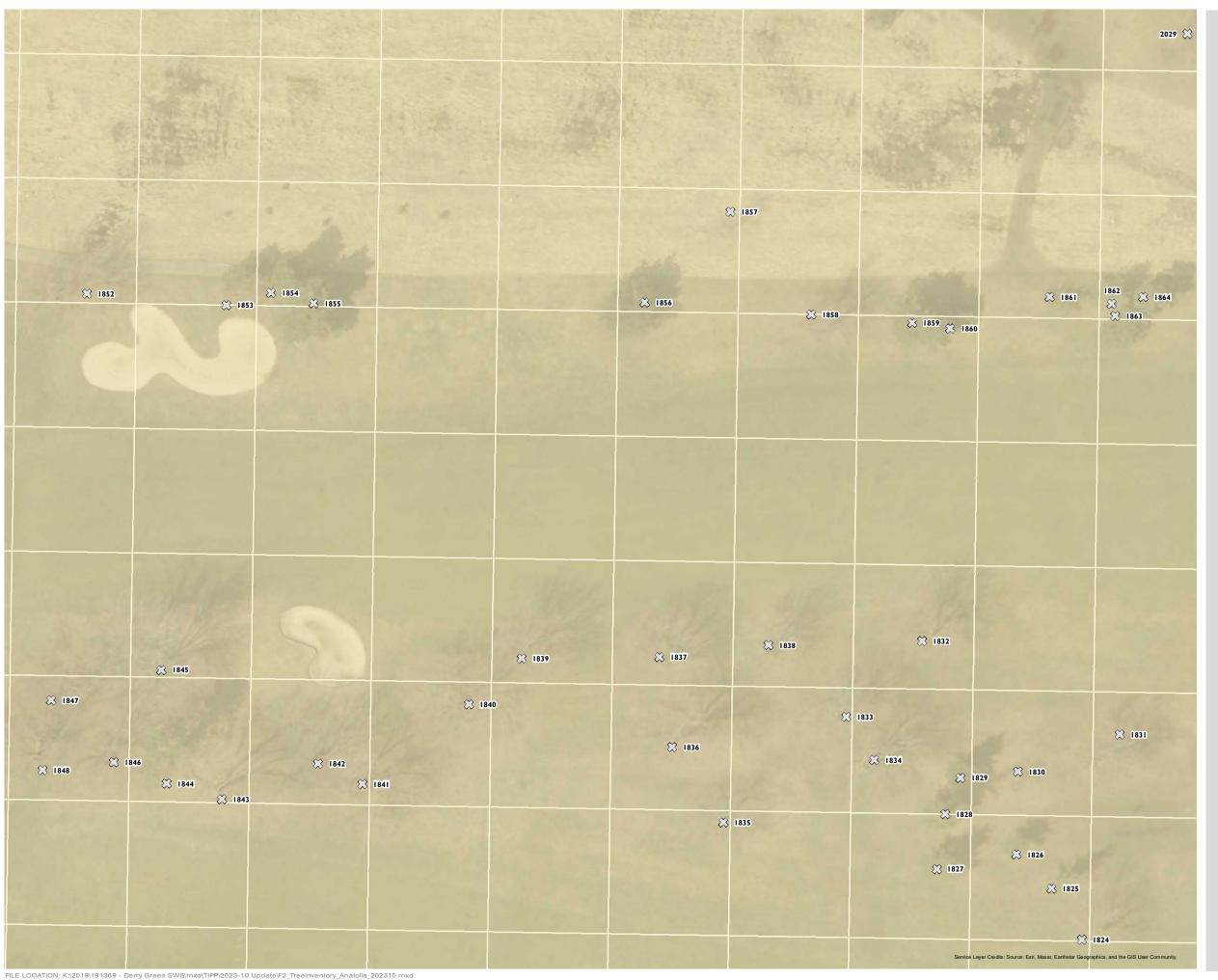












TRAFALGAR GOLF AND **COUNTRY CLUB** 

ARBORIST REPORT - OCTOBER 2023

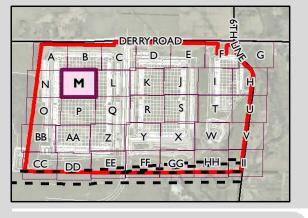
## TREE INVENTORY AND **PRESERVATION PLAN**

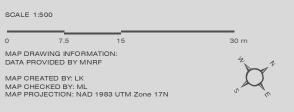
FIGURE 2M



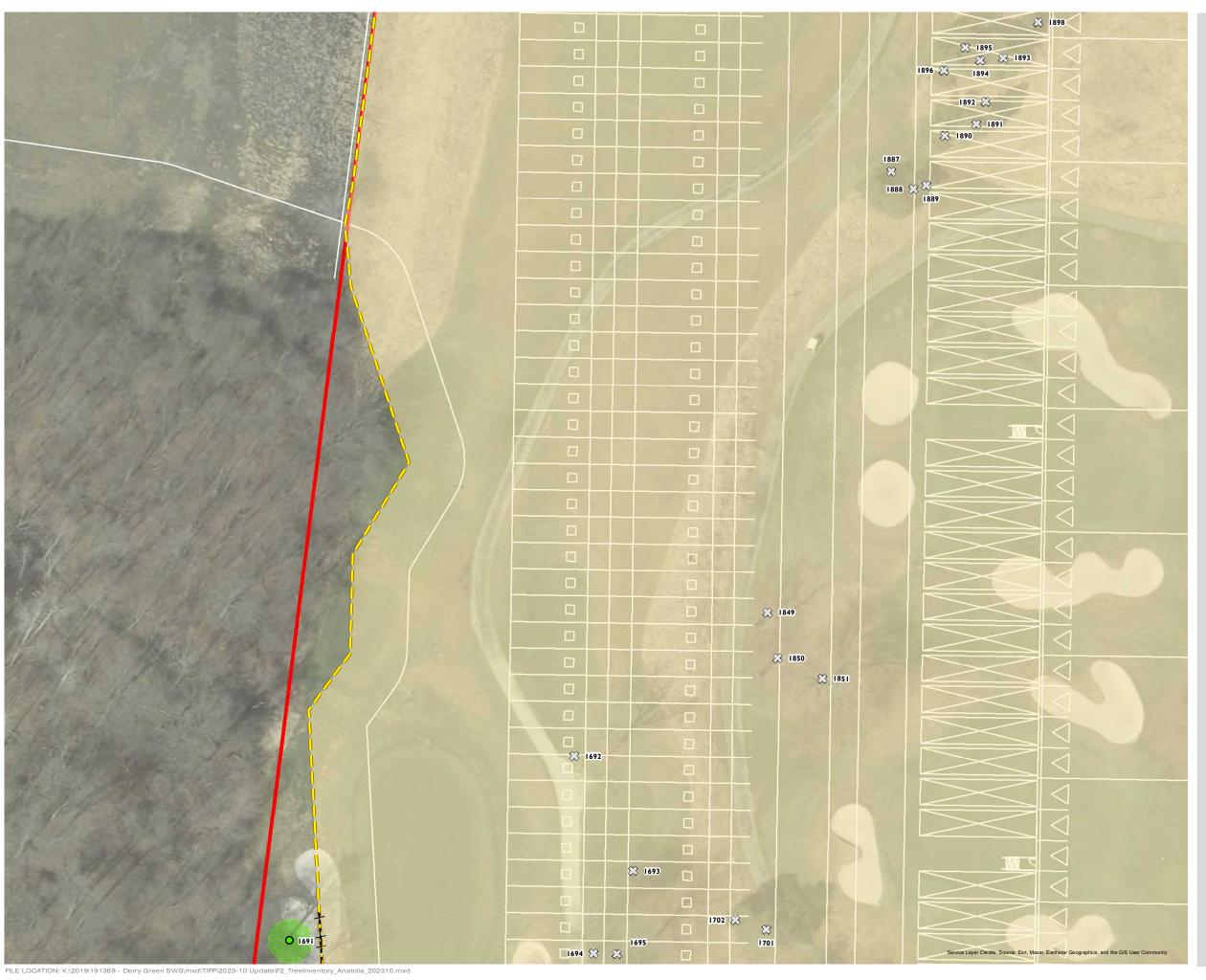
#### Tree Inventory

- O Tree to be Retained
- Tree to be Removed
- Critical Root Zone
- Tree Protection Zone for Trees to be Retained









TRAFALGAR GOLF AND **COUNTRY CLUB** 

ARBORIST REPORT - OCTOBER 2023

## TREE INVENTORY AND **PRESERVATION PLAN**

FIGURE 2N



Proposed Development Plan

**★ -**× Proposed Tree Protection Fencing

Limit of Anatolia Development (incl. Channel)

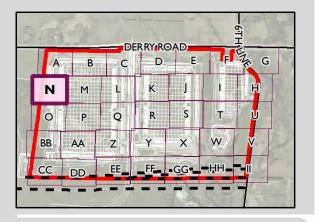
### Tree Inventory

• Tree to be Retained

Tree to be Removed

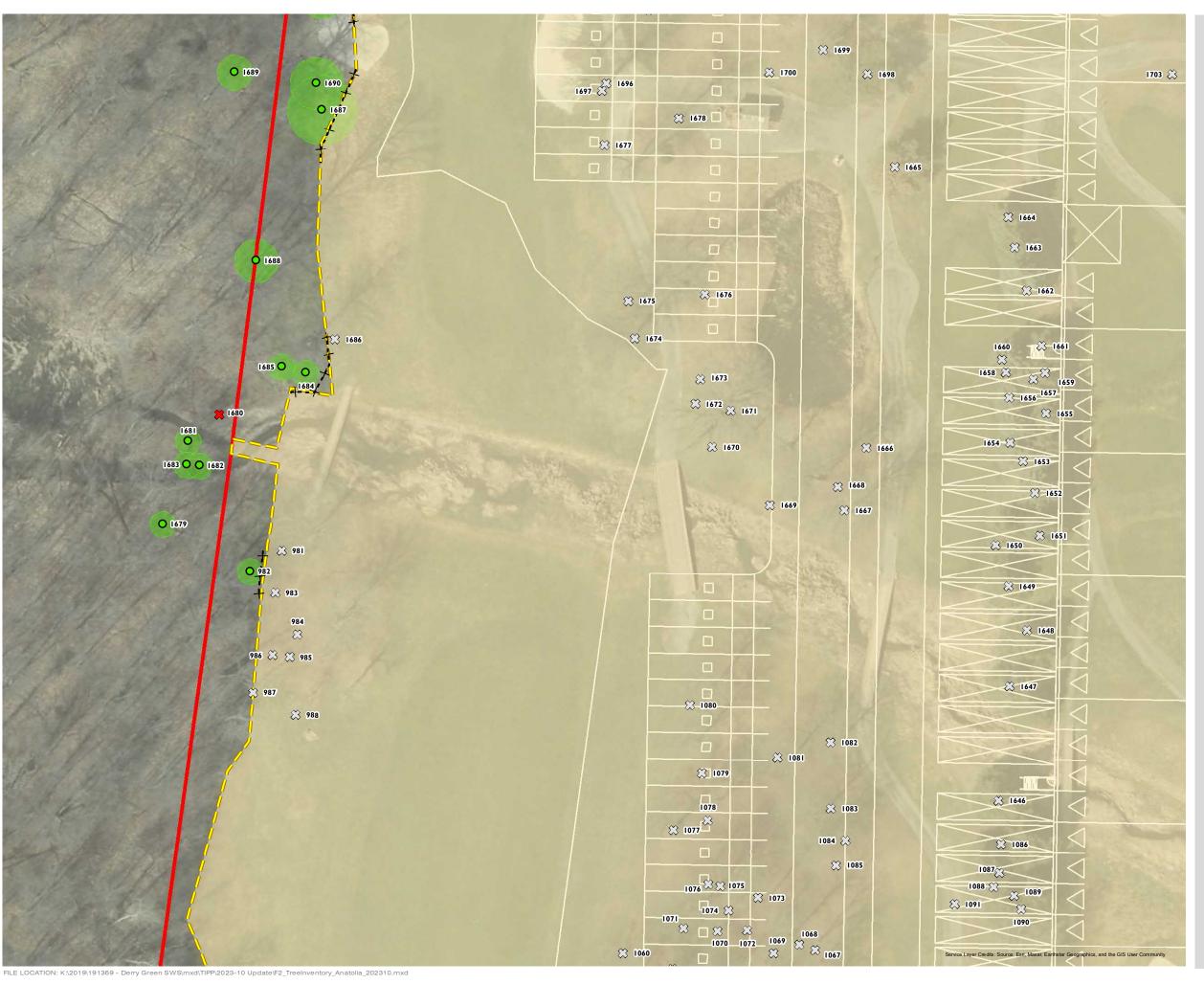
Critical Root Zone

Tree Protection Zone for Trees to be Retained









TRAFALGAR GOLF AND **COUNTRY CLUB** 

ARBORIST REPORT - OCTOBER 2023

### TREE INVENTORY AND **PRESERVATION PLAN**

FIGURE 2O



Proposed Development Plan

★ -× Proposed Tree Protection Fencing

Limit of Anatolia Development (incl. Channel)

### Tree Inventory

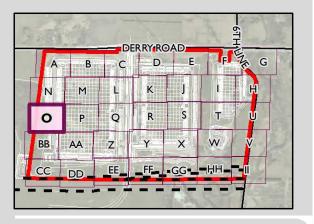
• Tree to be Retained

Tree to be Removed

☼ Removed Tree

Critical Root Zone

Tree Protection Zone for Trees to be Retained









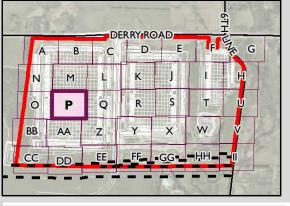
TRAFALGAR GOLF AND **COUNTRY CLUB** 

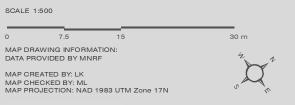
ARBORIST REPORT - OCTOBER 2023

### TREE INVENTORY AND **PRESERVATION PLAN**



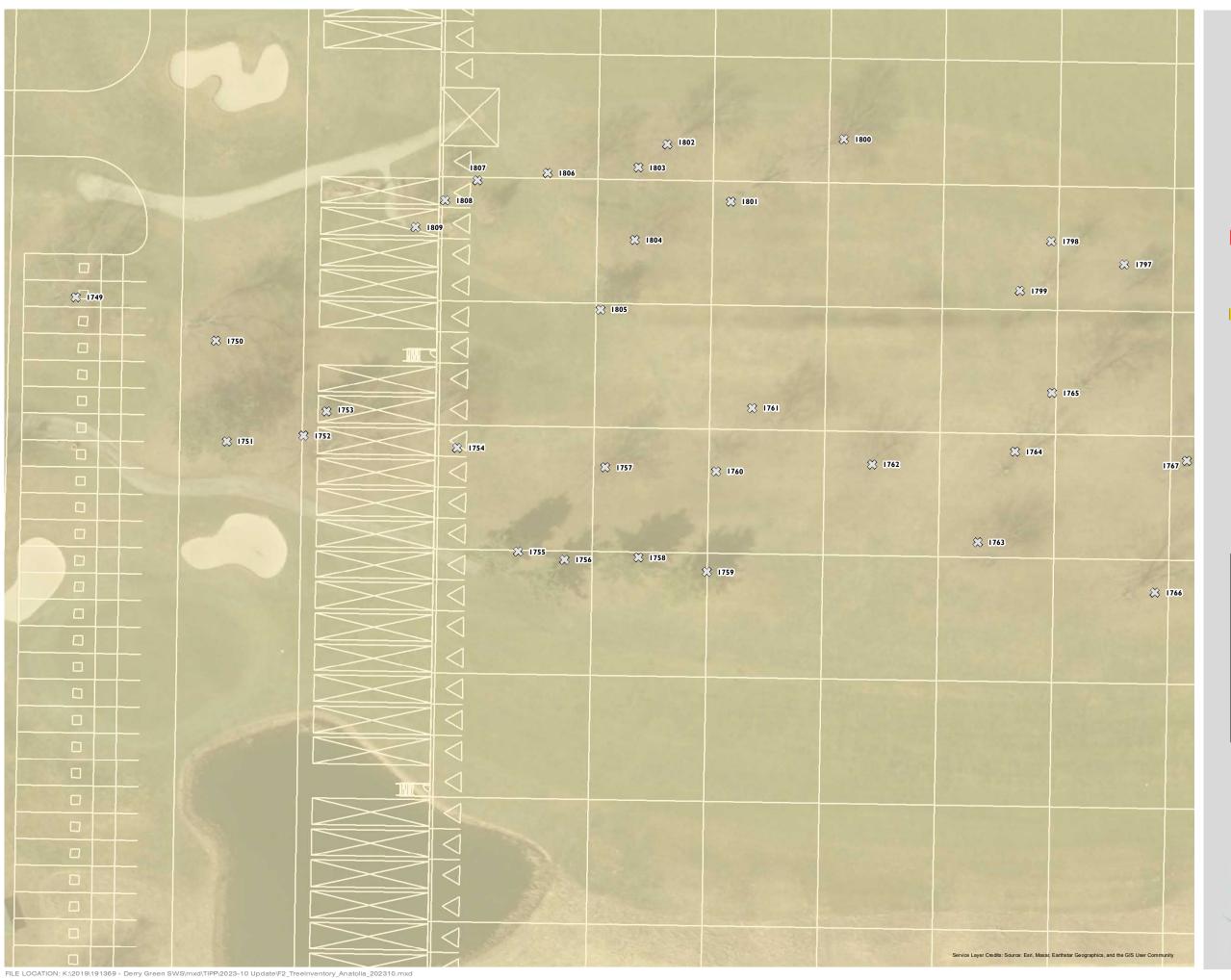
- Tree to be Retained
- Tree to be Removed
- ☼ Removed Tree
- Critical Root Zone
  - Tree Protection Zone for Trees to be Retained











TRAFALGAR GOLF AND **COUNTRY CLUB** 

ARBORIST REPORT - OCTOBER 2023

### TREE INVENTORY AND **PRESERVATION PLAN**

FIGURE 2R



Proposed Development Plan

**★ -**× Proposed Tree Protection Fencing

Limit of Anatolia Development (incl. Channel)

#### Tree Inventory

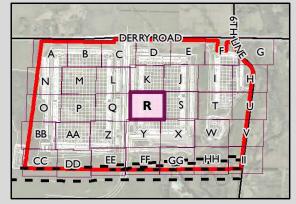
• Tree to be Retained

Tree to be Removed

☼ Removed Tree

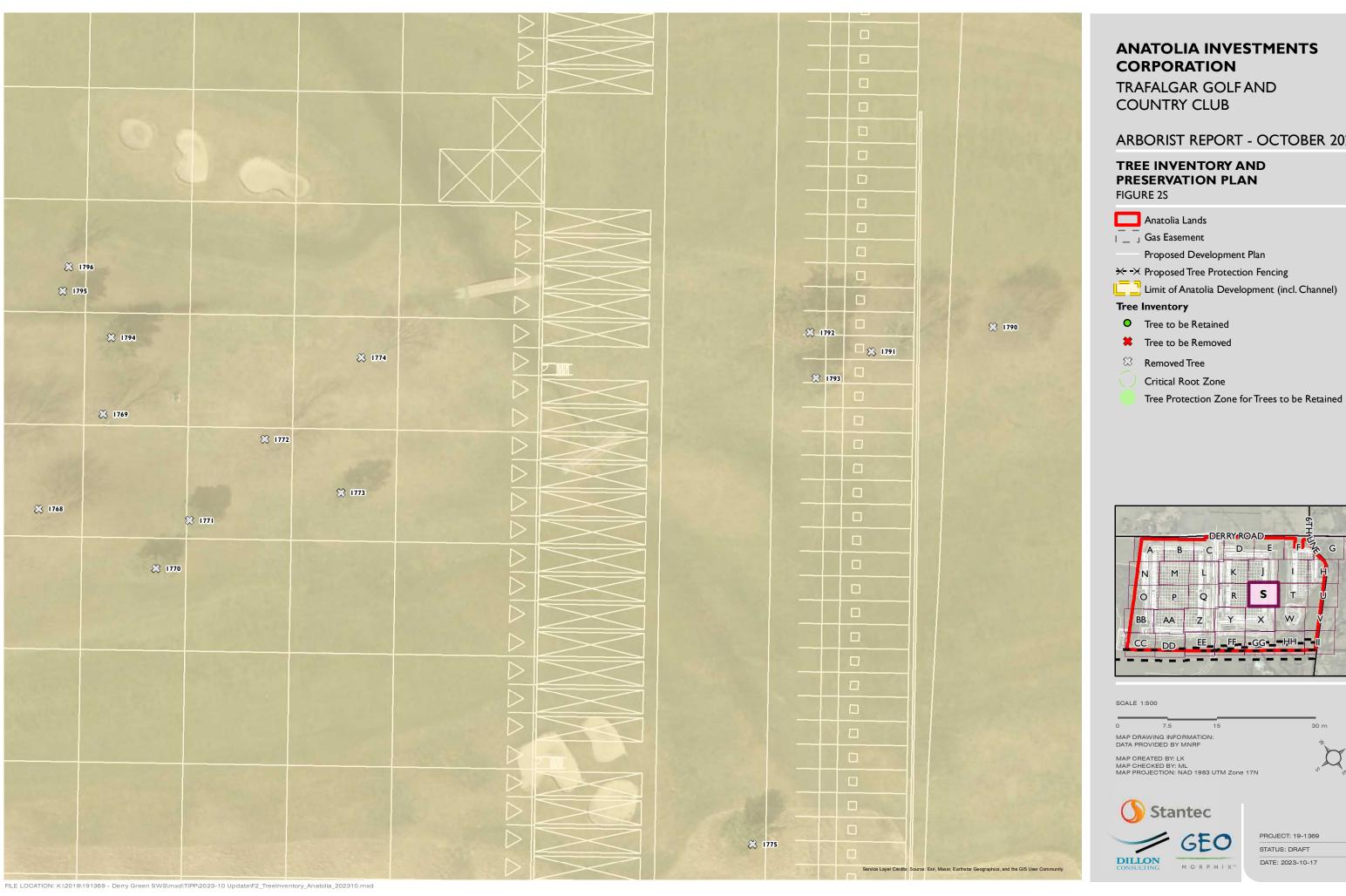
Critical Root Zone

Tree Protection Zone for Trees to be Retained



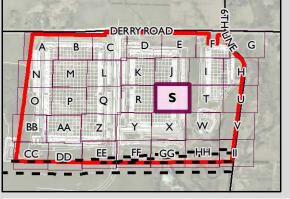






ARBORIST REPORT - OCTOBER 2023

Limit of Anatolia Development (incl. Channel)









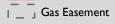
TRAFALGAR GOLF AND **COUNTRY CLUB** 

ARBORIST REPORT - OCTOBER 2023

#### TREE INVENTORY AND **PRESERVATION PLAN**

FIGURE 2U

Anatolia Lands



Proposed Development Plan

★ = Proposed Tree Protection Fencing

Limit of Anatolia Development (incl. Channel)

#### Tree Inventory

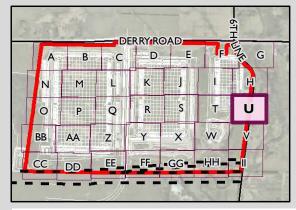
O Tree to be Retained

Tree to be Removed



Critical Root Zone

Tree Protection Zone for Trees to be Retained





SCALE 1:500

MAP CREATED BY: LK MAP CHECKED BY: ML MAP PROJECTION: NAD 1983 UTM Zone 17N







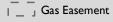
TRAFALGAR GOLF AND **COUNTRY CLUB** 

ARBORIST REPORT - OCTOBER 2023

#### TREE INVENTORY AND **PRESERVATION PLAN**

FIGURE 2V

Anatolia Lands



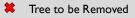
Proposed Development Plan



Limit of Anatolia Development (incl. Channel)

#### Tree Inventory

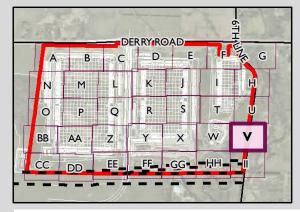
O Tree to be Retained







Tree Protection Zone for Trees to be Retained





SCALE 1:500

MAP CREATED BY: LK MAP CHECKED BY: ML MAP PROJECTION: NAD 1983 UTM Zone 17N

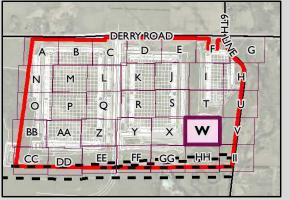




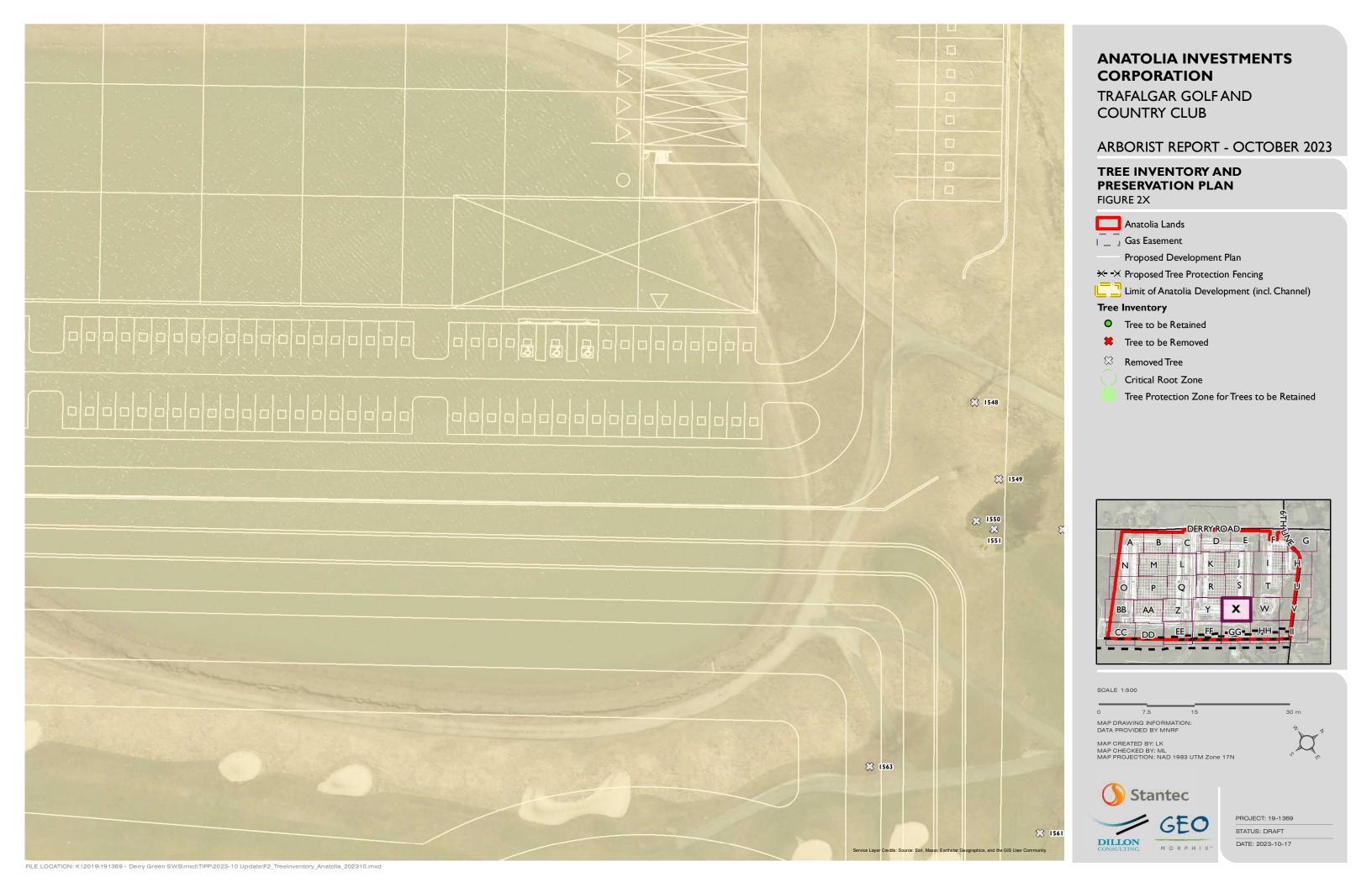


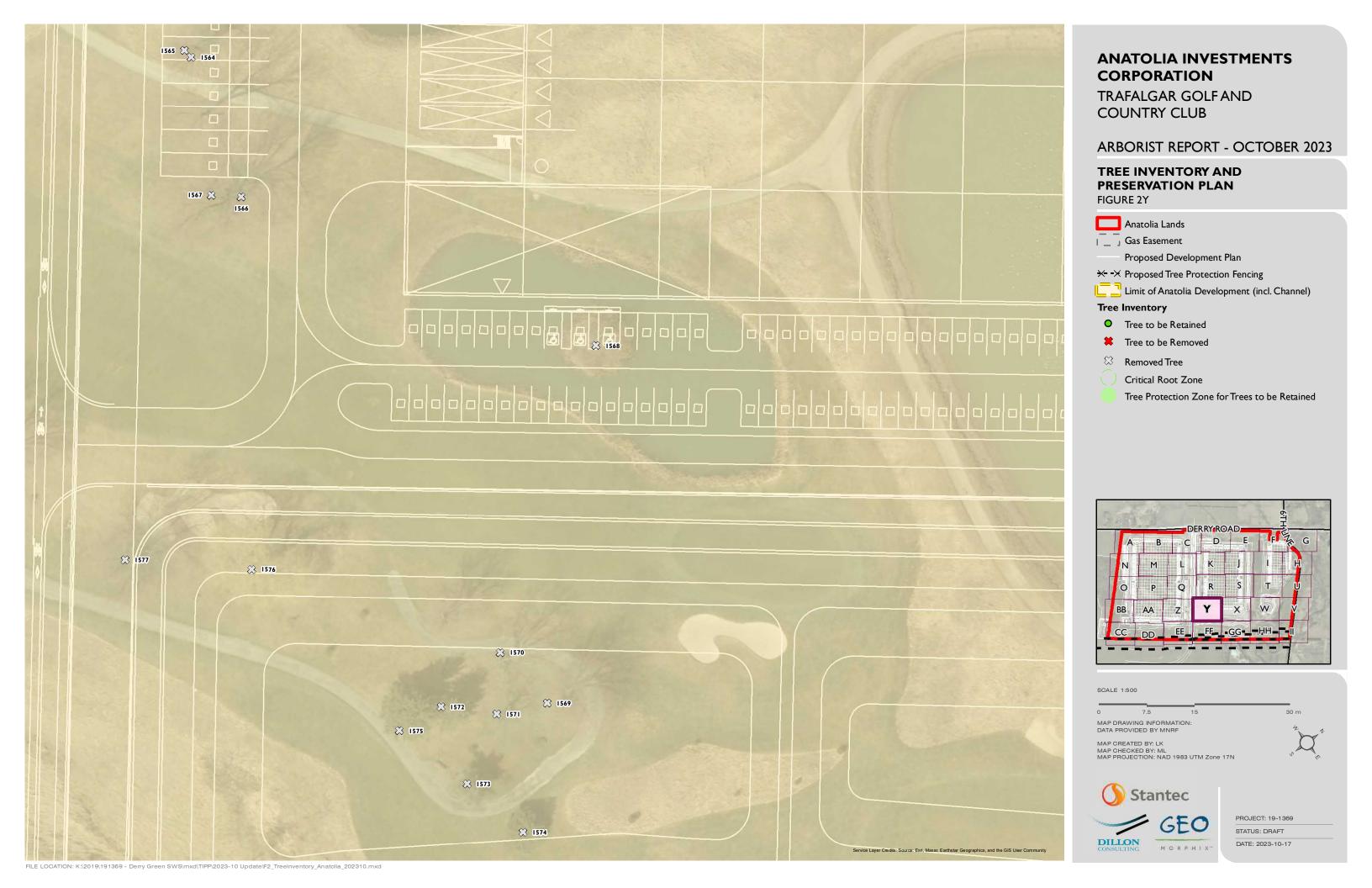
Limit of Anatolia Development (incl. Channel)

Tree Protection Zone for Trees to be Retained

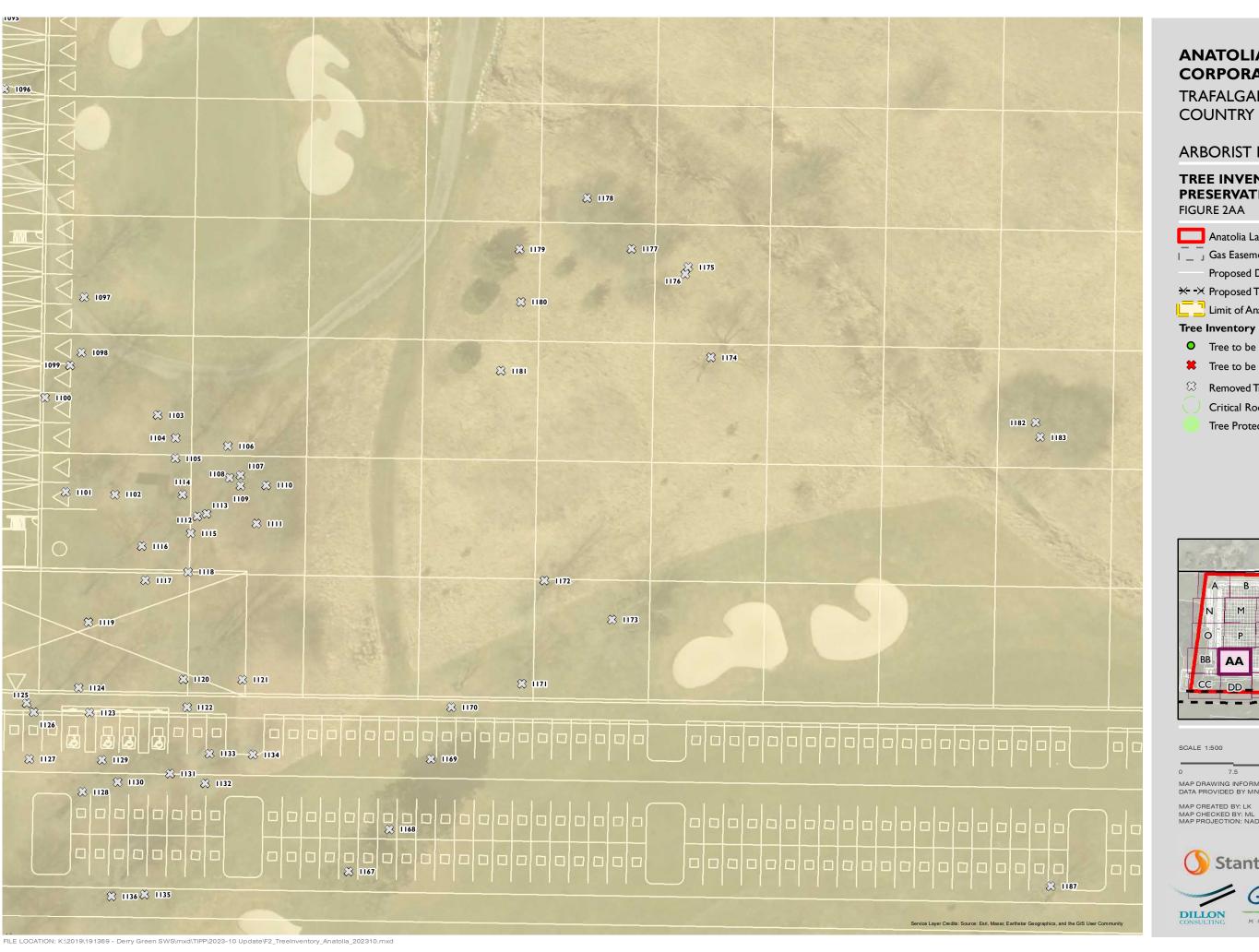












TRAFALGAR GOLF AND **COUNTRY CLUB** 

ARBORIST REPORT - OCTOBER 2023

### TREE INVENTORY AND **PRESERVATION PLAN**

FIGURE 2AA

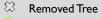


Proposed Development Plan

★ -× Proposed Tree Protection Fencing Limit of Anatolia Development (incl. Channel)

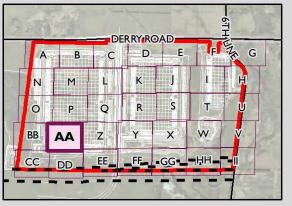
• Tree to be Retained

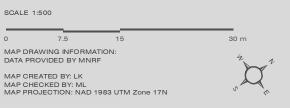
Tree to be Removed



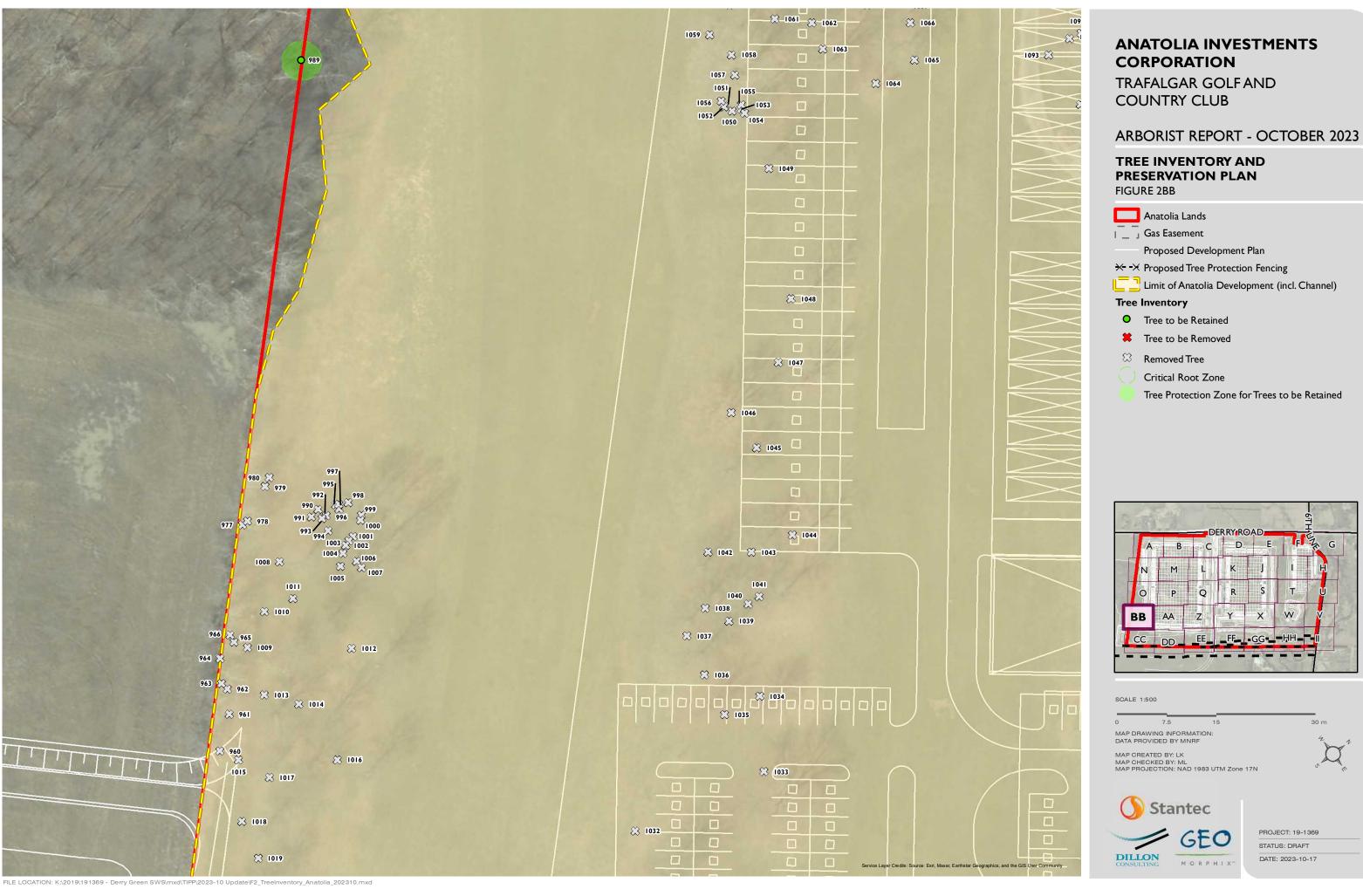
Critical Root Zone

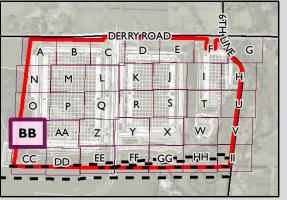
Tree Protection Zone for Trees to be Retained



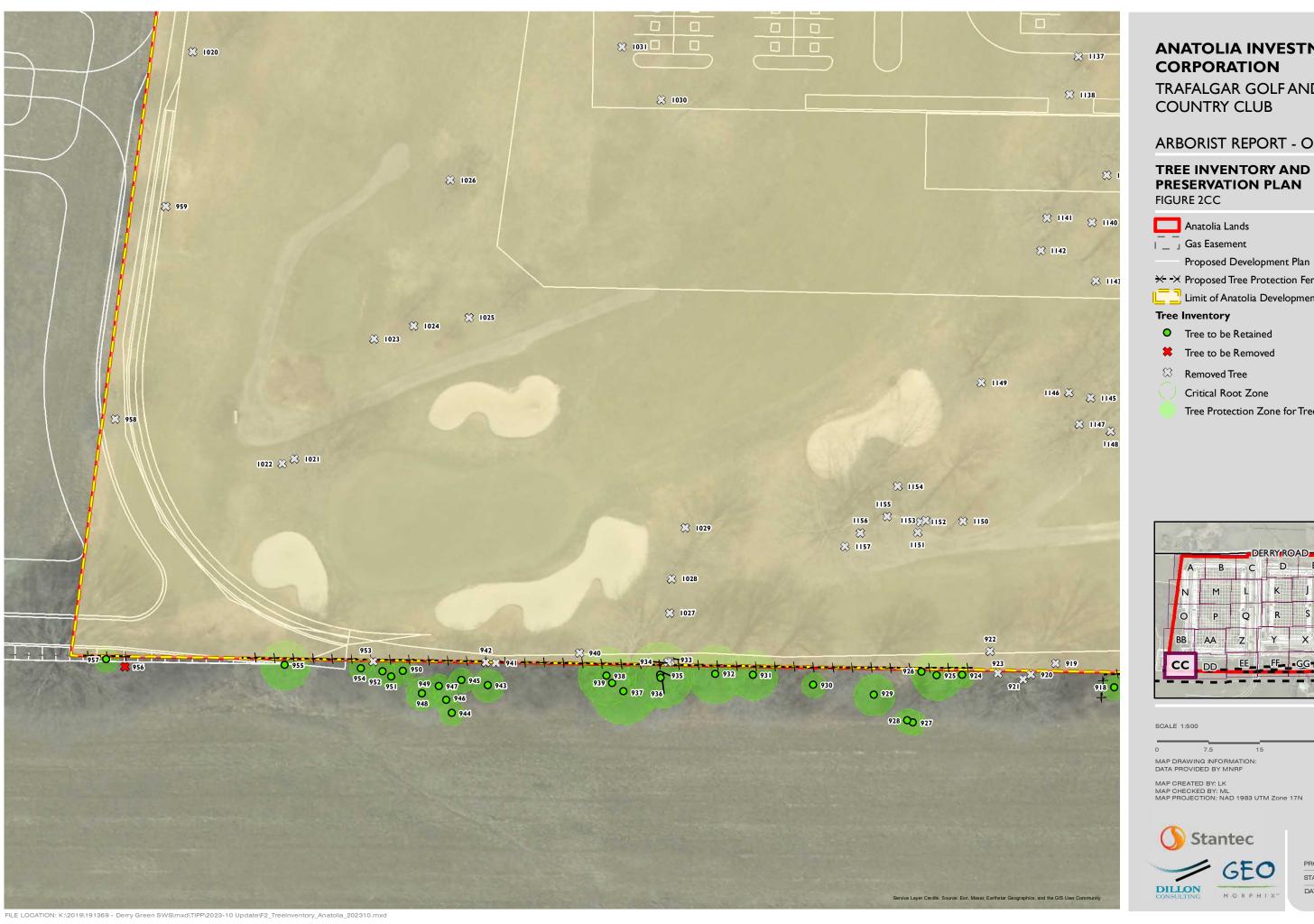












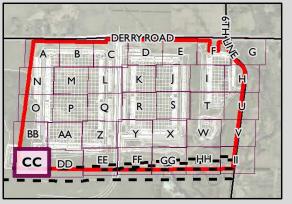
# **ANATOLIA INVESTMENTS**

TRAFALGAR GOLF AND

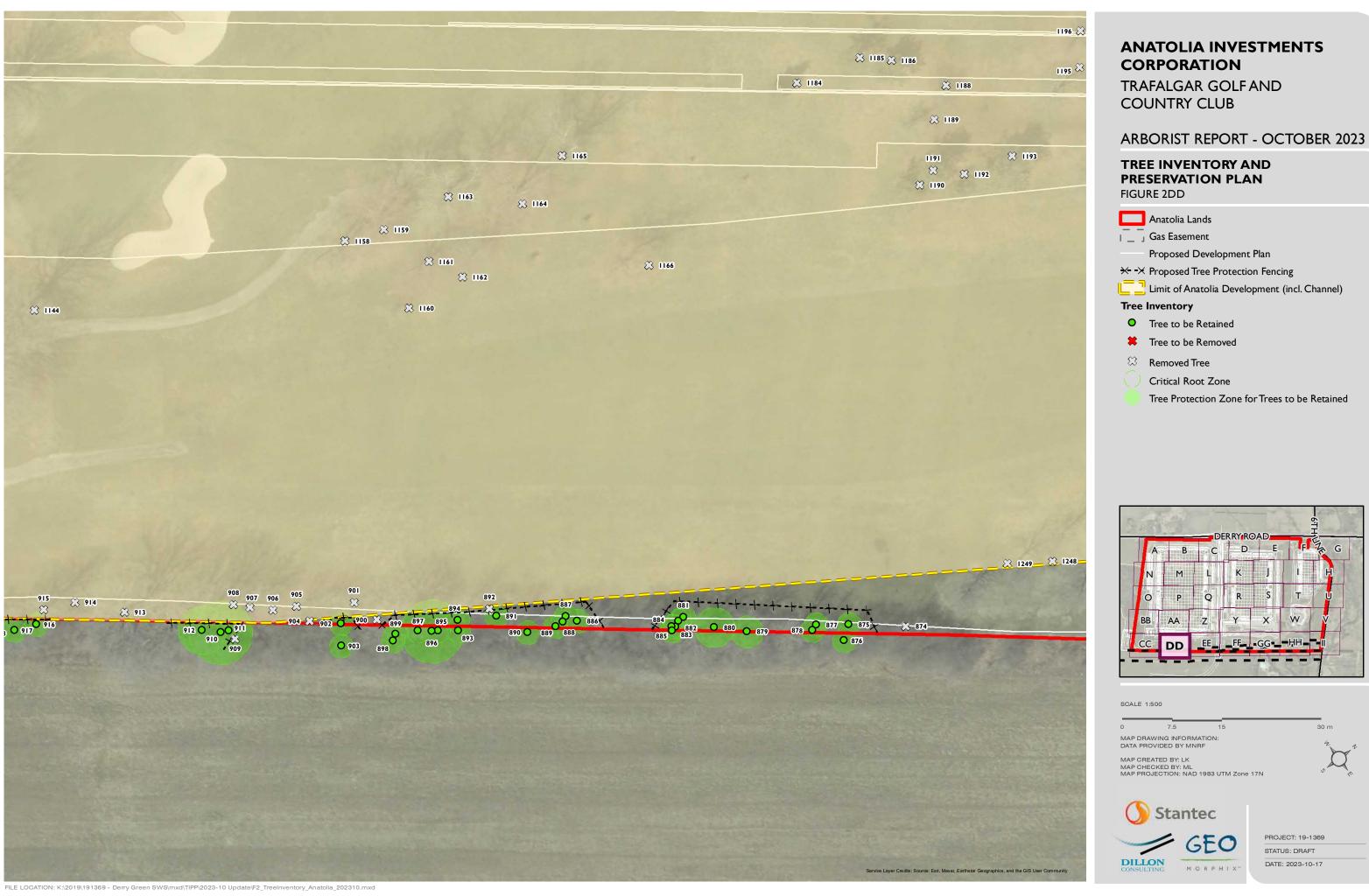
ARBORIST REPORT - OCTOBER 2023

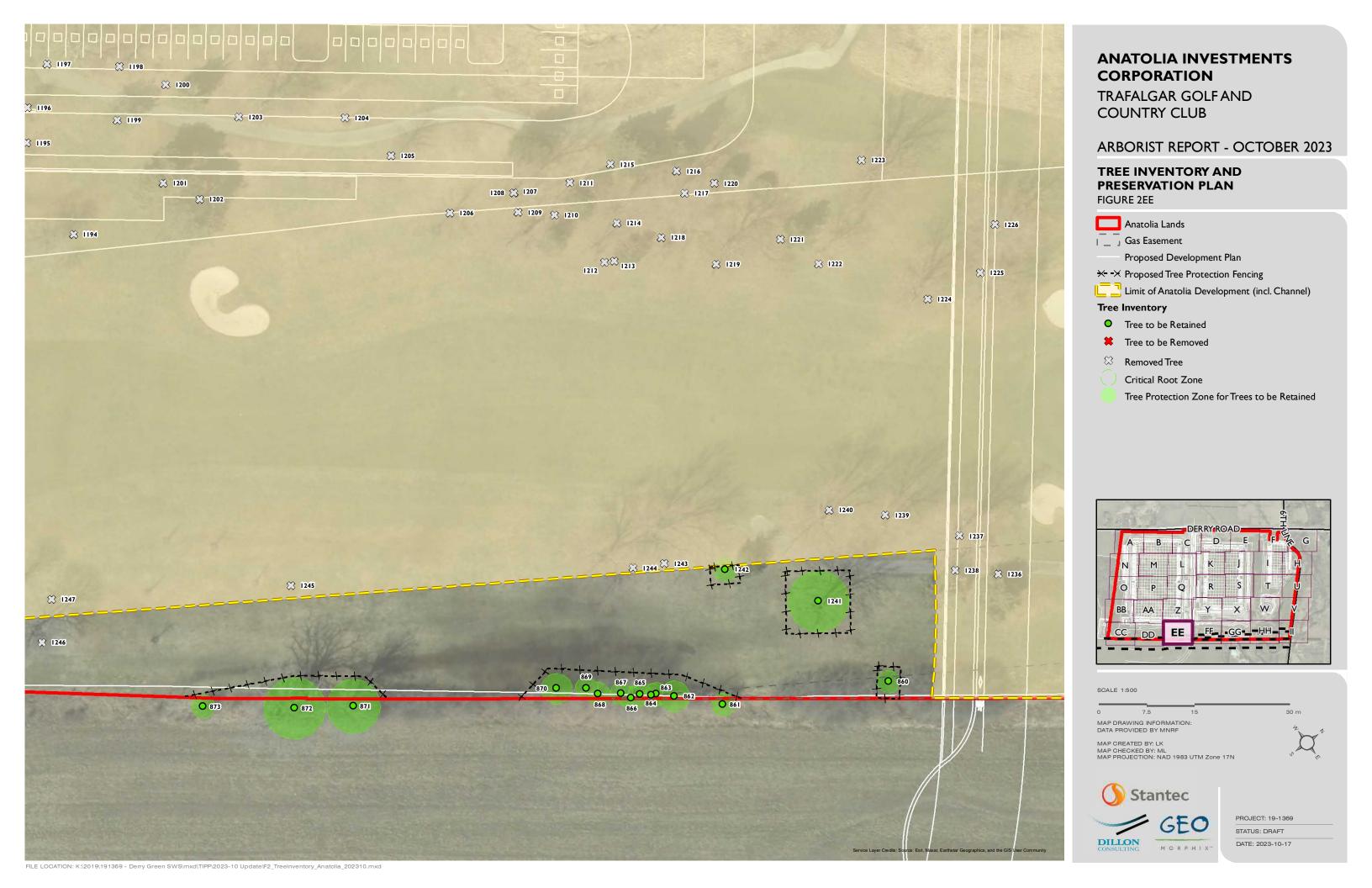


Tree Protection Zone for Trees to be Retained











TRAFALGAR GOLF AND **COUNTRY CLUB** 

ARBORIST REPORT - OCTOBER 2023

#### TREE INVENTORY AND **PRESERVATION PLAN**

FIGURE 2FF

Anatolia Lands

Gas Easement

Proposed Development Plan

**★ -**× Proposed Tree Protection Fencing

Limit of Anatolia Development (incl. Channel)

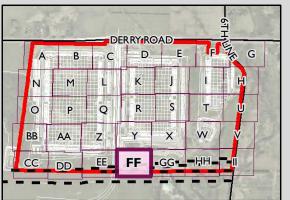
#### Tree Inventory

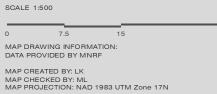
O Tree to be Retained

Tree to be Removed

Critical Root Zone

Tree Protection Zone for Trees to be Retained









TRAFALGAR GOLF AND **COUNTRY CLUB** 

ARBORIST REPORT - OCTOBER 2023

#### TREE INVENTORY AND **PRESERVATION PLAN**

FIGURE 2GG

Anatolia Lands

Gas Easement

Proposed Development Plan

★ = Proposed Tree Protection Fencing

Limit of Anatolia Development (incl. Channel)

#### Tree Inventory

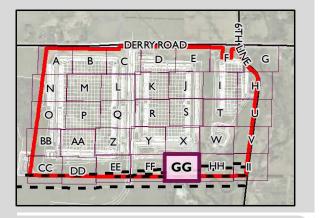
O Tree to be Retained

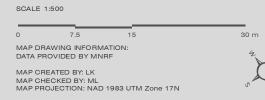
Tree to be Removed

☼ Removed Tree

Critical Root Zone

Tree Protection Zone for Trees to be Retained











TRAFALGAR GOLF AND **COUNTRY CLUB** 

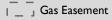
ARBORIST REPORT - OCTOBER 2023

#### TREE INVENTORY AND **PRESERVATION PLAN**

FIGURE 2II



Anatolia Lands



Proposed Development Plan



★ = Proposed Tree Protection Fencing



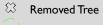
Limit of Anatolia Development (incl. Channel)

#### Tree Inventory

O Tree to be Retained



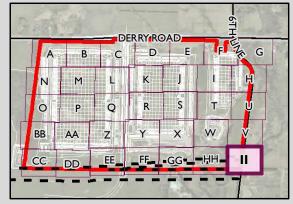
Tree to be Removed



Critical Root Zone



Tree Protection Zone for Trees to be Retained





MAP CREATED BY: LK MAP CHECKED BY: ML MAP PROJECTION: NAD 1983 UTM Zone 17N



STATUS: DRAFT DATE: 2023-10-17

# **Appendix A**

Tree Inventory Table



## **Detailed Tree Inventory Data**

Tree	Species	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Derived DBH	Condition	Comments	Recommendation
ID#		(cm)	(cm)	(cm)	(cm)	(cm)	(cm)			
840	Salix x sepulcralis ((Salix alba X Salix	70	60	45	<null></null>	<null></null>	102.591423	Fair	On adjacent	Tree to be Retained
	babylonica))								property.	
841	Acer negundo (Manitoba Maple)	14	14	12	<null></null>	<null></null>	23.151674	Fair	<null></null>	Tree to be Retained
842	Crataegus punctata (Dotted Hawthorn)	13	<null></null>	<null></null>	<null></null>	<null></null>	13	Good	<null></null>	Tree to be Retained
843	Crataegus crus-galli (Cockspur Hawthorn)	13	12	<null></null>	<null></null>	<null></null>	17.691806	Good	<null></null>	Tree to be Retained
844	Crataegus crus-galli (Cockspur Hawthorn)	16	12	12	<null></null>	<null></null>	23.323808	Good	<null></null>	Tree to be Retained
845	Crataegus crus-galli (Cockspur Hawthorn)	16	10	<null></null>	<null></null>	<null></null>	18.867962	Good	<null></null>	Tree to be Retained
846	Crataegus crus-galli (Cockspur Hawthorn)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Fair	<null></null>	Tree to be Retained
847	Crataegus crus-galli (Cockspur Hawthorn)	15	<null></null>	<null></null>	<null></null>	<null></null>	15	Good	<null></null>	Tree to be Retained
848	Crataegus crus-galli (Cockspur Hawthorn)	16	<null></null>	<null></null>	<null></null>	<null></null>	16	Good	<null></null>	Tree to be Retained
849	Crataegus crus-galli (Cockspur Hawthorn)	11	11	10	10	<null></null>	21.023796	Good	<null></null>	Tree to be Retained
850	Crataegus crus-galli (Cockspur Hawthorn)	11	10	<null></null>	<null></null>	<null></null>	14.866069	Good	<null></null>	Tree to be Retained
851	Acer platanoides (Norway Maple)	15	<null></null>	<null></null>	<null></null>	<null></null>	15	Fair	<null></null>	Tree to be Retained
852	Crataegus crus-galli (Cockspur Hawthorn)	14	10	<null></null>	<null></null>	<null></null>	17.204651	Good	<null></null>	Tree to be Retained
853	Crataegus crus-galli (Cockspur Hawthorn)	14	14	10	<null></null>	<null></null>	22.181073	Good	<null></null>	Tree to be Retained
854	Crataegus crus-galli (Cockspur Hawthorn)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	<null></null>	Tree to be Retained
855	Acer platanoides (Norway Maple)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Good	<null></null>	Tree to be Retained
856	Acer platanoides (Norway Maple)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	<null></null>	Tree to be Retained
857	Acer platanoides (Norway Maple)	13	<null></null>	<null></null>	<null></null>	<null></null>	13	Good	<null></null>	Tree to be Retained
858	Acer platanoides (Norway Maple)	13	<null></null>	<null></null>	<null></null>	<null></null>	13	Good	<null></null>	Tree to be Retained
859	Acer platanoides (Norway Maple)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Good	<null></null>	Tree to be Retained





Tree	Species	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Derived DBH	Condition	Comments	Recommendation
ID#		(cm)	(cm)	(cm)	(cm)	(cm)	(cm)			
860	Crataegus crus-galli (Cockspur Hawthorn)	10	<null></null>	<null></null>	<null></null>	<null></null>	10	Good	<null></null>	Tree to be Retained
861	Acer saccharinum (Silver Maple)	10	10	<null></null>	<null></null>	<null></null>	14.142136	Fair	<null></null>	Tree to be Retained
862	Acer saccharinum (Silver Maple)	17	16	15	10	<null></null>	29.495762	Fair	<null></null>	Tree to be Retained
863	Acer saccharinum (Silver Maple)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	<null></null>	Tree to be Retained
864	Acer saccharinum (Silver Maple)	10	<null></null>	<null></null>	<null></null>	<null></null>	10	Good	<null></null>	Tree to be Retained
865	Acer saccharinum (Silver Maple)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Good	<null></null>	Tree to be Retained
866	Acer saccharinum (Silver Maple)	10	<null></null>	<null></null>	<null></null>	<null></null>	10	Fair	Girdling by wire fence. Root damage from lawn mowing.	Tree to be Retained
867	Acer saccharinum (Silver Maple)	15	<null></null>	<null></null>	<null></null>	<null></null>	15	Fair	Girdling by wire fence. Root damage from lawn mowing	Tree to be Retained
868	Acer saccharinum (Silver Maple)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Fair	Root damage from lawn mowing	Tree to be Retained
869	Acer saccharinum (Silver Maple)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Fair	Root damage from lawn mowing	Tree to be Retained
870	Acer saccharinum (Silver Maple)	19	16	15	12	10	31.400637	Fair	<null></null>	Tree to be Retained
871	Quercus macrocarpa (Bur Oak)	70	<null></null>	<null></null>	<null></null>	<null></null>	70	Good	<null></null>	Tree to be Retained



Tree	Species	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Derived DBH	Condition	Comments	Recommendation
ID#		(cm)	(cm)	(cm)	(cm)	(cm)	(cm)			
872	Quercus macrocarpa (Bur Oak)	80	<null></null>	<null></null>	<null></null>	<null></null>	80	Good	<null></null>	Tree to be Retained
873	Tilia americana (American Basswood)	13	<null></null>	<null></null>	<null></null>	<null></null>	13	Good	<null></null>	Tree to be Retained
875	Quercus macrocarpa (Bur Oak)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Good	<null></null>	Tree to be Retained
876	Quercus macrocarpa (Bur Oak)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Good	<null></null>	Tree to be Retained
877	Quercus macrocarpa (Bur Oak)	25	<null></null>	<null></null>	<null></null>	<null></null>	25	Good	<null></null>	Tree to be Retained
878	Crataegus crus-galli (Cockspur Hawthorn)	10	<null></null>	<null></null>	<null></null>	<null></null>	10	Good	<null></null>	Tree to be Retained
879	Quercus macrocarpa (Bur Oak)	34	<null></null>	<null></null>	<null></null>	<null></null>	34	Good	<null></null>	Tree to be Retained
880	Quercus macrocarpa (Bur Oak)	35	32	<null></null>	<null></null>	<null></null>	47.423623	Fair	Codominant stems with included bark	Tree to be Retained
881	Crataegus crus-galli (Cockspur Hawthorn)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	<null></null>	Tree to be Retained
882	Crataegus crus-galli (Cockspur Hawthorn)	13	<null></null>	<null></null>	<null></null>	<null></null>	13	Good	<null></null>	Tree to be Retained
883	Crataegus crus-galli (Cockspur Hawthorn)	21	13	<null></null>	<null></null>	<null></null>	24.698178	Good	<null></null>	Tree to be Retained
884	Crataegus crus-galli (Cockspur Hawthorn)	21	<null></null>	<null></null>	<null></null>	<null></null>	21	Good	<null></null>	Tree to be Retained
885	Acer negundo (Manitoba Maple)	19	11	<null></null>	<null></null>	<null></null>	21.954498	Fair	<null></null>	Tree to be Retained
886	Crataegus crus-galli (Cockspur Hawthorn)	10	10	<null></null>	<null></null>	<null></null>	14.142136	Good	<null></null>	Tree to be Retained
887	Crataegus crus-galli (Cockspur Hawthorn)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Good	<null></null>	Tree to be Retained
888	Crataegus crus-galli (Cockspur Hawthorn)	15	<null></null>	<null></null>	<null></null>	<null></null>	15	Good	<null></null>	Tree to be Retained
889	Crataegus crus-galli (Cockspur Hawthorn)	12	10	<null></null>	<null></null>	<null></null>	15.620499	Good	<null></null>	Tree to be Retained
890	Tilia americana (American Basswood)	20	<null></null>	<null></null>	<null></null>	<null></null>	20	Good	<null></null>	Tree to be Retained
891	Tilia americana (American Basswood)	13	<null></null>	<null></null>	<null></null>	<null></null>	13	Good	<null></null>	Tree to be Retained
893	Crataegus crus-galli (Cockspur Hawthorn)	11	10	<null></null>	<null></null>	<null></null>	14.866069	Fair	<null></null>	Tree to be Retained





Tree	Species	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Derived DBH	Condition	Comments	Recommendation
ID#		(cm)	(cm)	(cm)	(cm)	(cm)	(cm)			
894	Crataegus crus-galli (Cockspur Hawthorn)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	<null></null>	Tree to be Retained
895	Crataegus crus-galli (Cockspur Hawthorn)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Fair	<null></null>	Tree to be Retained
896	Tilia americana (American Basswood)	74	<null></null>	<null></null>	<null></null>	<null></null>	74	Good	<null></null>	Tree to be Retained
897	Crataegus crus-galli (Cockspur Hawthorn)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Good	<null></null>	Tree to be Retained
898	Tilia americana (American Basswood)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Fair	<null></null>	Tree to be Retained
899	Crataegus crus-galli (Cockspur Hawthorn)	22	<null></null>	<null></null>	<null></null>	<null></null>	22	Good	<null></null>	Tree to be Retained
902	Tilia americana (American Basswood)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Fair	<null></null>	Tree to be Retained
903	Carya ovata (Shagbark Hickory)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Fair	<null></null>	Tree to be Retained
910	Pyrus calleryana (Callery Pear)	25	<null></null>	<null></null>	<null></null>	<null></null>	25	Fair	<null></null>	Tree to be Retained
911	Quercus macrocarpa (Bur Oak)	71	<null></null>	<null></null>	<null></null>	<null></null>	71	Good	<null></null>	Tree to be Retained
912	Quercus macrocarpa (Bur Oak)	56	<null></null>	<null></null>	<null></null>	<null></null>	56	Good	<null></null>	Tree to be Retained
916	Tilia americana (American Basswood)	14	11	<null></null>	<null></null>	<null></null>	17.804494	Fair	<null></null>	Tree to be Retained
917	Tilia americana (American Basswood)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	<null></null>	Tree to be Retained
918	Crataegus crus-galli (Cockspur Hawthorn)	14	12	<null></null>	<null></null>	<null></null>	18.439089	Good	<null></null>	Tree to be Retained
924	Crataegus crus-galli (Cockspur Hawthorn)	13	<null></null>	<null></null>	<null></null>	<null></null>	13	Good	<null></null>	Tree to be Retained
925	Quercus macrocarpa (Bur Oak)	52	<null></null>	<null></null>	<null></null>	<null></null>	52	Good	<null></null>	Tree to be Retained
926	Quercus macrocarpa (Bur Oak)	12	11	10	<null></null>	<null></null>	19.104973	Fair	<null></null>	Tree to be Retained
927	Carya ovata (Shagbark Hickory)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Good	<null></null>	Tree to be Retained
928	Quercus macrocarpa (Bur Oak)	15	<null></null>	<null></null>	<null></null>	<null></null>	15	Good	<null></null>	Tree to be Retained
929	Quercus macrocarpa (Bur Oak)	48	<null></null>	<null></null>	<null></null>	<null></null>	48	Good	<null></null>	Tree to be Retained
930	Carya ovata (Shagbark Hickory)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Good	<null></null>	Tree to be Retained
931	Quercus macrocarpa (Bur Oak)	55	<null></null>	<null></null>	<null></null>	<null></null>	55	Good	<null></null>	Tree to be Retained





Tree	Species	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Derived DBH	Condition	Comments	Recommendation
ID#		(cm)	(cm)	(cm)	(cm)	(cm)	(cm)			
932	Quercus macrocarpa (Bur Oak)	62	<null></null>	<null></null>	<null></null>	<null></null>	62	Good	<null></null>	Tree to be Retained
935	Quercus macrocarpa (Bur Oak)	78	<null></null>	<null></null>	<null></null>	<null></null>	78	Good	<null></null>	Tree to be Retained
936	Quercus rubra (Northern Red Oak)	31	<null></null>	<null></null>	<null></null>	<null></null>	31	Fair	Codominant stems with included bark at base to height of 2 m	Tree to be Retained
937	Quercus rubra (Northern Red Oak)	73	<null></null>	<null></null>	<null></null>	<null></null>	73	Fair	Codominant stems with included bark to height of 4 m, with decay at branch union.	Tree to be Retained
938	Quercus macrocarpa (Bur Oak)	70	<null></null>	<null></null>	<null></null>	<null></null>	70	Good	<null></null>	Tree to be Retained
939	Quercus macrocarpa (Bur Oak)	35	<null></null>	<null></null>	<null></null>	<null></null>	35	Good	<null></null>	Tree to be Retained
943	Crataegus crus-galli (Cockspur Hawthorn)	22	16	15	13	11	33.674916	Good	<null></null>	Tree to be Retained
944	Quercus macrocarpa (Bur Oak)	10	<null></null>	<null></null>	<null></null>	<null></null>	10	Good	<null></null>	Tree to be Retained
945	Crataegus crus-galli (Cockspur Hawthorn)	13	10	<null></null>	<null></null>	<null></null>	16.401219	Fair	<null></null>	Tree to be Retained
946	Crataegus crus-galli (Cockspur Hawthorn)	15	15	<null></null>	<null></null>	<null></null>	21.213203	Good	<null></null>	Tree to be Retained
947	Crataegus crus-galli (Cockspur Hawthorn)	14	10	<null></null>	<null></null>	<null></null>	17.204651	Good	<null></null>	Tree to be Retained
948	Crataegus crus-galli (Cockspur Hawthorn)	17	11	10	<null></null>	<null></null>	22.58318	Good	<null></null>	Tree to be Retained
949	Quercus macrocarpa (Bur Oak)	36	<null></null>	<null></null>	<null></null>	<null></null>	36	Good	<null></null>	Tree to be Retained
950	Crataegus crus-galli (Cockspur Hawthorn)	14	13	10	<null></null>	<null></null>	21.563859	Good	<null></null>	Tree to be Retained





Tree	Species	DBH 1		DBH 3	DBH 4	DBH 5	Derived DBH	Condition	Comments	Recommendation
ID#		(cm)	(cm)	(cm)	(cm)	(cm)	(cm)			
951	Crataegus crus-galli (Cockspur Hawthorn)	14	12	10	<null></null>	<null></null>	20.976177	Fair	<null></null>	Tree to be Retained
952	Crataegus crus-galli (Cockspur Hawthorn)	15	13	11	10	<null></null>	24.799194	Good	<null></null>	Tree to be Retained
954	Crataegus crus-galli (Cockspur Hawthorn)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Fair	<null></null>	Tree to be Retained
955	Quercus macrocarpa (Bur Oak)	42	32	<null></null>	<null></null>	<null></null>	52.801515	Fair	<null></null>	Tree to be Retained
956	Fraxinus pennsylvanica (Green Ash)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Dead	<null></null>	Tree to be Removed
957	Carya ovata (Shagbark Hickory)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Good	<null></null>	Tree to be Retained
982	Ostrya virginiana (Eastern Hop-hornbeam)	19	<null></null>	<null></null>	<null></null>	<null></null>	19	Good	<null></null>	Tree to be Retained
989	Carya ovata (Shagbark Hickory)	30	28	<null></null>	<null></null>	<null></null>	41.036569	Fair	Codominant stems with included bark to height of 2 m	Tree to be Retained
1232	Acer saccharinum (Silver Maple)	57	<null></null>	<null></null>	<null></null>	<null></null>	57	Good	<null></null>	Tree to be Retained
1233	Picea glauca (White Spruce)	38	<null></null>	<null></null>	<null></null>	<null></null>	38	Good	<null></null>	Tree to be Retained
1234	Acer saccharinum (Silver Maple)	48	<null></null>	<null></null>	<null></null>	<null></null>	48	Good	<null></null>	Tree to be Retained
1235	Acer saccharinum (Silver Maple)	51	<null></null>	<null></null>	<null></null>	<null></null>	51	Good	<null></null>	Tree to be Retained
1241	Acer saccharinum (Silver Maple)	78	<null></null>	<null></null>	<null></null>	<null></null>	78	Good	<null></null>	Tree to be Retained
1242	Picea abies (Norway Spruce)	20	<null></null>	<null></null>	<null></null>	<null></null>	20	Good	<null></null>	Tree to be Retained
1250	Picea glauca (White Spruce)	21	<null></null>	<null></null>	<null></null>	<null></null>	21	Fair	<null></null>	Tree to be Retained
1251	Acer negundo (Manitoba Maple)	26	16	<null></null>	<null></null>	<null></null>	30.528675	Fair	<null></null>	Tree to be Retained
1254	Acer platanoides (Norway Maple)	18	<null></null>	<null></null>	<null></null>	<null></null>	18	Fair	<null></null>	Tree to be Retained





Tree	Species	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Derived DBH	Condition	Comments	Recommendation
ID#		(cm)	(cm)	(cm)	(cm)	(cm)	(cm)			
1255	Acer platanoides (Norway Maple)	13	<null></null>	<null></null>	<null></null>	<null></null>	13	Fair	On adjacent property. Not tagged	Tree to be Retained
1256	Pinus sylvestris (Scotch Pine)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Fair	On adjacent property. Not tagged	Tree to be Retained
1257	Thuja occidentalis (Eastern White Cedar)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Fair	On adjacent property. Not tagged	Tree to be Retained
1258	Acer negundo (Manitoba Maple)	21	<null></null>	<null></null>	<null></null>	<null></null>	21	Fair	<null></null>	Tree to be Retained
1259	Thuja occidentalis (Eastern White Cedar)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	On adjacent property. Not tagged	Tree to be Retained
1260	Thuja occidentalis (Eastern White Cedar)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	On adjacent property. Not tagged	Tree to be Retained
1261	Thuja occidentalis (Eastern White Cedar)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Good	On adjacent property. Not tagged	Tree to be Retained
1262	Ulmus americana (American Elm)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Fair	<null></null>	Tree to be Retained
1263	Ulmus americana (American Elm)	19	<null></null>	<null></null>	<null></null>	<null></null>	19	Fair	<null></null>	Tree to be Retained
1264	Ulmus americana (American Elm)	21	<null></null>	<null></null>	<null></null>	<null></null>	21	Fair	<null></null>	Tree to be Retained
1265	Ulmus americana (American Elm)	10	<null></null>	<null></null>	<null></null>	<null></null>	10	Fair	<null></null>	Tree to be Retained
1266	Acer platanoides (Norway Maple)	20	14	<null></null>	<null></null>	<null></null>	24.413111	Fair	<null></null>	Tree to be Retained





Tree	Species	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Derived DBH	Condition	Comments	Recommendation
ID#		(cm)	(cm)	(cm)	(cm)	(cm)	(cm)			
1267	Thuja occidentalis (Eastern White Cedar)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	On adjacent property. Tree not tagged. Tag applied on adjacent page wire fence.	Tree to be Retained
1268	Thuja occidentalis (Eastern White Cedar)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Good	On adjacent property. Tree not tagged. Tag applied on adjacent page wire fence.	Tree to be Retained
1269	Thuja occidentalis (Eastern White Cedar)	13	<null></null>	<null></null>	<null></null>	<null></null>	13	Good	On adjacent property. Tree not tagged. Tag applied on adjacent page wire fence.	Tree to be Retained
1270	Thuja occidentalis (Eastern White Cedar)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	On adjacent property. Tree not tagged. Tag applied on adjacent page wire fence.	Tree to be Retained
1271	Thuja occidentalis (Eastern White Cedar)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Fair	On adjacent property. Tree not tagged.	Tree to be Retained



Tree ID#	Species	DBH 1 (cm)	DBH 2 (cm)	DBH 3 (cm)	DBH 4 (cm)	DBH 5 (cm)	Derived DBH (cm)	Condition	Comments	Recommendation
									Tag applied on adjacent page wire fence.	
1274	Pinus sylvestris (Scotch Pine)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Fair	On adjacent property. Tree not tagged. Tag applied on adjacent page wire fence.	Tree to be Retained
1276	Salix alba (White Willow)	24	22	22	16	13	42.426407	Good	<null></null>	Tree to be Retained
1298	Acer negundo (Manitoba Maple)	42	<null></null>	<null></null>	<null></null>	<null></null>	42	Good	<null></null>	Tree to be Retained
1299	Thuja occidentalis (Eastern White Cedar)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1300	Thuja occidentalis (Eastern White Cedar)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained



Tree ID#	Species	DBH 1 (cm)	DBH 2 (cm)	DBH 3 (cm)	DBH 4 (cm)	DBH 5 (cm)	Derived DBH (cm)	Condition	Comments	Recommendation
1301	Thuja occidentalis (Eastern White Cedar)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1303	Thuja occidentalis (Eastern White Cedar)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1304	Thuja occidentalis (Eastern White Cedar)	20	<null></null>	<null></null>	<null></null>	<null></null>	20	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1306	Picea glauca (White Spruce)	20	<null></null>	<null></null>	<null></null>	<null></null>	20	Fair	On adjacent property. Tree not tagged. Tag applied to page wire	Tree to be Retained



Tree ID#	Species	DBH 1 (cm)	DBH 2 (cm)	DBH 3 (cm)	DBH 4 (cm)	DBH 5 (cm)	Derived DBH (cm)	Condition	Comments	Recommendation
									fence adjacent to tree.	
1310	Picea glauca (White Spruce)	21	<null></null>	<null></null>	<null></null>	<null></null>	21	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1311	Thuja occidentalis (Eastern White Cedar)	13	<null></null>	<null></null>	<null></null>	<null></null>	13	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1312	Abies balsamea (Balsam Fir)	20	<null></null>	<null></null>	<null></null>	<null></null>	20	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1313	Thuja occidentalis (Eastern White Cedar)	13	<null></null>	<null></null>	<null></null>	<null></null>	13	Good	On adjacent property. Tree not tagged. Tag applied to	Tree to be Retained



Tree ID#	Species	DBH 1 (cm)	DBH 2 (cm)	DBH 3 (cm)	DBH 4 (cm)	DBH 5 (cm)	Derived DBH (cm)	Condition	Comments	Recommendation
									page wire fence adjacent to tree.	
1314	Picea glauca (White Spruce)	27	<null></null>	<null></null>	<null></null>	<null></null>	27	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1315	Thuja occidentalis (Eastern White Cedar)	12	12	<null></null>	<null></null>	<null></null>	16.970563	Fair	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1317	Abies balsamea (Balsam Fir)	15	<null></null>	<null></null>	<null></null>	<null></null>	15	Fair	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1318	Picea glauca (White Spruce)	23	<null></null>	<null></null>	<null></null>	<null></null>	23	Good	On adjacent property. Tree not tagged.	Tree to be Retained



Tree ID#	Species	DBH 1 (cm)	DBH 2 (cm)	DBH 3 (cm)	DBH 4 (cm)	DBH 5 (cm)	Derived DBH (cm)	Condition	Comments	Recommendation
									Tag applied to page wire fence adjacent to tree.	
1319	Tilia americana (American Basswood)	24	12	<null></null>	<null></null>	<null></null>	26.832816	Fair	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1320	Tilia americana (American Basswood)	34	<null></null>	<null></null>	<null></null>	<null></null>	34	Fair	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1321	Abies balsamea (Balsam Fir)	15	<null></null>	<null></null>	<null></null>	<null></null>	15	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1322	Abies balsamea (Balsam Fir)	13	<null></null>	<null></null>	<null></null>	<null></null>	13	Fair	On adjacent property. Tree	Tree to be Retained



Tree ID#	Species	DBH 1 (cm)	DBH 2 (cm)	DBH 3 (cm)	DBH 4 (cm)	DBH 5 (cm)	Derived DBH (cm)	Condition	Comments	Recommendation
									not tagged. Tag applied to page wire fence adjacent to tree.	
1323	Tilia americana (American Basswood)	29	<null></null>	<null></null>	<null></null>	<null></null>	29	Fair	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1325	Thuja occidentalis (Eastern White Cedar)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1326	Thuja occidentalis (Eastern White Cedar)	17	<null></null>	<null></null>	<null></null>	<null></null>	17	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained



Tree ID#	Species	DBH 1 (cm)	DBH 2 (cm)	DBH 3 (cm)	DBH 4 (cm)	DBH 5 (cm)	Derived DBH (cm)	Condition	Comments	Recommendation
1327	Tilia americana (American Basswood)	25	<null></null>	<null></null>	<null></null>	<null></null>	25	Fair	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1328	Thuja occidentalis (Eastern White Cedar)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1329	Gleditsia triacanthos (Honey-locust)	15	<null></null>	<null></null>	<null></null>	<null></null>	15	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1330	Acer platanoides (Norway Maple)	39	<null></null>	<null></null>	<null></null>	<null></null>	39	Good	On adjacent property. Tree not tagged. Tag applied to page wire	Tree to be Retained



Tree ID#	Species	DBH 1 (cm)	DBH 2 (cm)	DBH 3 (cm)	DBH 4 (cm)	DBH 5 (cm)	Derived DBH (cm)	Condition	Comments	Recommendation
									fence adjacent to tree.	
1331	Acer platanoides (Norway Maple)	37	<null></null>	<null></null>	<null></null>	<null></null>	37	Fair	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree. Codominant stems with included bark. Broken main limbs.	Tree to be Retained
1332	Acer platanoides (Norway Maple)	40	<null></null>	<null></null>	<null></null>	<null></null>	40	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1333	Betula papyrifera (Paper Birch)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Fair	On adjacent property. Tree not tagged. Tag applied to page wire	Tree to be Retained



Tree ID#	Species	DBH 1 (cm)	DBH 2 (cm)	DBH 3 (cm)	DBH 4 (cm)	DBH 5 (cm)	Derived DBH (cm)	Condition	Comments	Recommendation
									fence adjacent to tree.	
1334	Acer platanoides (Norway Maple)	40	<null></null>	<null></null>	<null></null>	<null></null>	40	Fair	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1335	Abies balsamea (Balsam Fir)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Dead	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Removed
1336	Abies balsamea (Balsam Fir)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Dead	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Removed
1337	Acer platanoides (Norway Maple)	33	<null></null>	<null></null>	<null></null>	<null></null>	33	Good	On adjacent property. Tree not tagged. Tag applied to	Tree to be Retained



Tree ID#	Species	DBH 1 (cm)	DBH 2 (cm)	DBH 3 (cm)	DBH 4 (cm)	DBH 5 (cm)	Derived DBH (cm)	Condition	Comments	Recommendation
									page wire fence adjacent to tree.	
1338	Acer platanoides (Norway Maple)	34	<null></null>	<null></null>	<null></null>	<null></null>	34	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1339	Acer platanoides (Norway Maple)	26	<null></null>	<null></null>	<null></null>	<null></null>	26	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1340	Acer platanoides (Norway Maple)	42	<null></null>	<null></null>	<null></null>	<null></null>	42	Good	On adjacent property. Tree not tagged. Tag applied to page wire fence adjacent to tree.	Tree to be Retained
1341	Acer negundo (Manitoba Maple)	24	20	<null></null>	<null></null>	<null></null>	31.240999	Fair	Major lean	Tree to be Retained



Tree ID#	Species	DBH 1		DBH 3	DBH 4	DBH 5	Derived DBH	Condition	Comments	Recommendation
		(cm)	(cm)	(cm)	(cm)	(cm)	(cm)			
1342	Ulmus americana (American Elm)	45	<null></null>	<null></null>	<null></null>	<null></null>	45	Dead	Broken at	Tree to be Removed
									height of 8 m.	
									Major stem	
									rot. 2023: Tree	
									is now a snag.  Top is no	
									longer	
									present.	
									Significant rot	
									present.	
1343	Alnus glutinosa (European Alder)	18	18	<null></null>	<null></null>	<null></null>	25.455844	Fair	<null></null>	Tree to be Retained
1344	Alnus glutinosa (European Alder)	23	19	<null></null>	<null></null>	<null></null>	29.832868	Fair	<null></null>	Tree to be Retained
1345	Acer negundo (Manitoba Maple)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Good	<null></null>	Tree to be Retained
1355	Acer saccharum (Sugar Maple)	15	<null></null>	<null></null>	<null></null>	<null></null>	15	Good	<null></null>	Tree to be Retained
1356	Acer saccharum (Sugar Maple)	15	<null></null>	<null></null>	<null></null>	<null></null>	15	Good	<null></null>	Tree to be Retained
1357	Acer saccharinum (Silver Maple)	67	<null></null>	<null></null>	<null></null>	<null></null>	67	Good	<null></null>	Tree to be Retained
1358	Acer saccharum (Sugar Maple)	48	<null></null>	<null></null>	<null></null>	<null></null>	48	Good	<null></null>	Tree to be Retained
1359	Acer saccharum (Sugar Maple)	43	<null></null>	<null></null>	<null></null>	<null></null>	43	Good	<null></null>	Tree to be Retained
1360	Acer saccharinum (Silver Maple)	77	<null></null>	<null></null>	<null></null>	<null></null>	77	Good	<null></null>	Tree to be Retained
1361	Acer saccharinum (Silver Maple)	95	<null></null>	<null></null>	<null></null>	<null></null>	95	Good	<null></null>	Tree to be Retained
1362	Acer saccharinum (Silver Maple)	127	<null></null>	<null></null>	<null></null>	<null></null>	127	Good	<null></null>	Tree to be Retained
1363	Acer saccharinum (Silver Maple)	117	<null></null>	<null></null>	<null></null>	<null></null>	117	Good	<null></null>	Tree to be Retained
1364	Betula papyrifera (Paper Birch)	34	<null></null>	<null></null>	<null></null>	<null></null>	34	Good	<null></null>	Tree to be Retained
1365	Fraxinus americana (White Ash)	55	<null></null>	<null></null>	<null></null>	<null></null>	55	Fair	<null></null>	Tree to be Retained





Tree	Species	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Derived DBH	Condition	Comments	Recommendation
ID#		(cm)	(cm)	(cm)	(cm)	(cm)	(cm)			
1366	Fraxinus americana (White Ash)	40	<null></null>	<null></null>	<null></null>	<null></null>	40	Fair	<null></null>	Tree to be Retained
1368	Picea pungens (Blue Spruce)	16	<null></null>	<null></null>	<null></null>	<null></null>	16	Good	<null></null>	Tree to be Retained
1369	Picea glauca (White Spruce)	19	<null></null>	<null></null>	<null></null>	<null></null>	19	Good	<null></null>	Tree to be Retained
1370	Picea glauca (White Spruce)	18	<null></null>	<null></null>	<null></null>	<null></null>	18	Fair	<null></null>	Tree to be Retained
1373	Fraxinus americana (White Ash)	53	<null></null>	<null></null>	<null></null>	<null></null>	53	Fair	<null></null>	Tree to be Retained
1376	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	20	<null></null>	<null></null>	<null></null>	<null></null>	20	Good	<null></null>	Tree to be Retained
1377	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	16	<null></null>	<null></null>	<null></null>	<null></null>	16	Dead	Major dieback	Tree to be Removed
1378	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	15	<null></null>	<null></null>	<null></null>	<null></null>	15	Fair	<null></null>	Tree to be Retained
1381	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	17	<null></null>	<null></null>	<null></null>	<null></null>	17	Fair	<null></null>	Tree to be Retained
1382	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	21	<null></null>	<null></null>	<null></null>	<null></null>	21	Good	<null></null>	Tree to be Retained
1383	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	18	<null></null>	<null></null>	<null></null>	<null></null>	18	Fair	<null></null>	Tree to be Retained
1384	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	16	<null></null>	<null></null>	<null></null>	<null></null>	16	Fair	Minor dieback	Tree to be Retained
1385	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	17	<null></null>	<null></null>	<null></null>	<null></null>	17	Fair	<null></null>	Tree to be Retained
1387	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	23	<null></null>	<null></null>	<null></null>	<null></null>	23	Good	<null></null>	Tree to be Retained





Tree	Species	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Derived DBH	Condition	Comments	Recommendation
ID#		(cm)	(cm)	(cm)	(cm)	(cm)	(cm)			
1388	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	15	<null></null>	<null></null>	<null></null>	<null></null>	15	Fair	<null></null>	Tree to be Retained
1389	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	15	<null></null>	<null></null>	<null></null>	<null></null>	15	Fair	<null></null>	Tree to be Retained
1390	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	16	<null></null>	<null></null>	<null></null>	<null></null>	16	Fair	Minor dieback	Tree to be Retained
1391	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	16	<null></null>	<null></null>	<null></null>	<null></null>	16	Good	<null></null>	Tree to be Retained
1392	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	17	<null></null>	<null></null>	<null></null>	<null></null>	17	Good	<null></null>	Tree to be Retained
1393	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	21	<null></null>	<null></null>	<null></null>	<null></null>	21	Fair	<null></null>	Tree to be Retained
1394	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	19	<null></null>	<null></null>	<null></null>	<null></null>	19	Good	<null></null>	Tree to be Retained
1395	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	19	<null></null>	<null></null>	<null></null>	<null></null>	19	Good	<null></null>	Tree to be Retained
1397	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	21	<null></null>	<null></null>	<null></null>	<null></null>	21	Fair	<null></null>	Tree to be Retained
1399	Pseudotsuga menziesii var. glauca (Rocky Mountain Douglas Fir)	26	<null></null>	<null></null>	<null></null>	<null></null>	26	Fair	<null></null>	Tree to be Retained
1400	Picea glauca (White Spruce)	28	<null></null>	<null></null>	<null></null>	<null></null>	28	Good	<null></null>	Tree to be Retained
1401	Acer platanoides (Norway Maple)	44	<null></null>	<null></null>	<null></null>	<null></null>	44	Good	<null></null>	Tree to be Retained
1403	Acer platanoides (Norway Maple)	59	<null></null>	<null></null>	<null></null>	<null></null>	59	Good	<null></null>	Tree to be Retained
1404	Acer platanoides (Norway Maple)	63	<null></null>	<null></null>	<null></null>	<null></null>	63	Good	<null></null>	Tree to be Retained





Tree	Species	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Derived DBH	Condition	Comments	Recommendation
ID#		(cm)	(cm)	(cm)	(cm)	(cm)	(cm)			
1405	Acer platanoides (Norway Maple)	42	<null></null>	<null></null>	<null></null>	<null></null>	42	Good	<null></null>	Tree to be Retained
1406	Acer platanoides (Norway Maple)	43	<null></null>	<null></null>	<null></null>	<null></null>	43	Good	<null></null>	Tree to be Retained
1407	Picea abies (Norway Spruce)	54	<null></null>	<null></null>	<null></null>	<null></null>	54	Good	<null></null>	Tree to be Retained
1408	Picea abies (Norway Spruce)	54	<null></null>	<null></null>	<null></null>	<null></null>	54	Good	<null></null>	Tree to be Retained
1409	Picea abies (Norway Spruce)	47	<null></null>	<null></null>	<null></null>	<null></null>	47	Good	<null></null>	Tree to be Retained
1410	Picea abies (Norway Spruce)	51	<null></null>	<null></null>	<null></null>	<null></null>	51	Good	<null></null>	Tree to be Retained
1411	Picea abies (Norway Spruce)	54	<null></null>	<null></null>	<null></null>	<null></null>	54	Good	<null></null>	Tree to be Retained
1412	Picea glauca (White Spruce)	50	<null></null>	<null></null>	<null></null>	<null></null>	50	Good	<null></null>	Tree to be Retained
1441	Picea abies (Norway Spruce)	66	<null></null>	<null></null>	<null></null>	<null></null>	66	Good	<null></null>	Tree to be Retained
1444	Acer saccharinum (Silver Maple)	76	<null></null>	<null></null>	<null></null>	<null></null>	76	Good	<null></null>	Tree to be Retained
1445	Acer saccharinum (Silver Maple)	54	<null></null>	<null></null>	<null></null>	<null></null>	54	Good	<null></null>	Tree to be Retained
1446	Acer saccharinum (Silver Maple)	88	<null></null>	<null></null>	<null></null>	<null></null>	88	Good	<null></null>	Tree to be Retained
1447	Acer saccharinum (Silver Maple)	36	34	24	<null></null>	<null></null>	55.027266	Good	<null></null>	Tree to be Retained
1448	Pinus strobus (Eastern White Pine)	21	<null></null>	<null></null>	<null></null>	<null></null>	21	Good	<null></null>	Tree to be Retained
1449	Acer saccharinum (Silver Maple)	56	<null></null>	<null></null>	<null></null>	<null></null>	56	Good	<null></null>	Tree to be Retained
1456	Alnus glutinosa (European Alder)	15	12	<null></null>	<null></null>	<null></null>	19.209373	Good	<null></null>	Tree to be Retained
1457	Alnus glutinosa (European Alder)	20	15	14	11	<null></null>	30.692019	Good	<null></null>	Tree to be Retained
1458	Amelanchier laevis (Smooth Serviceberry)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	<null></null>	Tree to be Retained
1459	Amelanchier laevis (Smooth Serviceberry)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	<null></null>	Tree to be Retained
1460	Amelanchier laevis (Smooth Serviceberry)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	<null></null>	Tree to be Retained
1461	Salix eriocephala (Heart-leaved Willow)	32	<null></null>	<null></null>	<null></null>	<null></null>	32	Fair	<null></null>	Tree to be Retained
1462	Salix eriocephala (Heart-leaved Willow)	28	<null></null>	<null></null>	<null></null>	<null></null>	28	Fair	<null></null>	Tree to be Retained





Tree	Species	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Derived DBH	Condition	Comments	Recommendation
ID#		(cm)	(cm)	(cm)	(cm)	(cm)	(cm)			
1463	Acer negundo (Manitoba Maple)	22	17	14	13	<null></null>	33.734256	Good	<null></null>	Tree to be Retained
1464	Salix eriocephala (Heart-leaved Willow)	23	<null></null>	<null></null>	<null></null>	<null></null>	23	Fair	Trunk cut and shoots persisting	Tree to be Retained
1468	Thuja occidentalis (Eastern White Cedar)	10	<null></null>	<null></null>	<null></null>	<null></null>	10	Good	<null></null>	Tree to be Retained
1469	Thuja occidentalis (Eastern White Cedar)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Good	<null></null>	Tree to be Retained
1470	Acer saccharinum (Silver Maple)	130	98	15	11	1	163.859696	Good	<null></null>	Tree to be Retained
1471	Thuja occidentalis (Eastern White Cedar)	17	<null></null>	<null></null>	<null></null>	<null></null>	17	Good	<null></null>	Tree to be Retained
1472	Thuja occidentalis (Eastern White Cedar)	13	<null></null>	<null></null>	<null></null>	<null></null>	13	Good	<null></null>	Tree to be Retained
1473	Thuja occidentalis (Eastern White Cedar)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Good	<null></null>	Tree to be Retained
1474	Abies balsamea (Balsam Fir)	18	<null></null>	<null></null>	<null></null>	<null></null>	18	Good	<null></null>	Tree to be Retained
1475	Picea glauca (White Spruce)	19	<null></null>	<null></null>	<null></null>	<null></null>	19	Good	<null></null>	Tree to be Retained
1476	Abies balsamea (Balsam Fir)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Good	<null></null>	Tree to be Retained
1477	Abies balsamea (Balsam Fir)	20	<null></null>	<null></null>	<null></null>	<null></null>	20	Good	<null></null>	Tree to be Retained
1478	Abies balsamea (Balsam Fir)	16	<null></null>	<null></null>	<null></null>	<null></null>	16	Good	<null></null>	Tree to be Retained
1479	Thuja occidentalis (Eastern White Cedar)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Good	<null></null>	Tree to be Retained
1480	Thuja occidentalis (Eastern White Cedar)	18	<null></null>	<null></null>	<null></null>	2	18	Good	<null></null>	Tree to be Retained
1481	Thuja occidentalis (Eastern White Cedar)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Good	<null></null>	Tree to be Retained
1482	Thuja occidentalis (Eastern White Cedar)	21	<null></null>	<null></null>	<null></null>	<null></null>	21	Good	<null></null>	Tree to be Retained
1483	Thuja occidentalis (Eastern White Cedar)	13	<null></null>	<null></null>	<null></null>	<null></null>	13	Good	<null></null>	Tree to be Retained
1484	Thuja occidentalis (Eastern White Cedar)	19	<null></null>	<null></null>	<null></null>	<null></null>	19	Good	<null></null>	Tree to be Retained
1485	Thuja occidentalis (Eastern White Cedar)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Good	<null></null>	Tree to be Retained



Tree	Species	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Derived DBH	Condition	Comments	Recommendation
ID#		(cm)	(cm)	(cm)	(cm)	(cm)	(cm)			
1486	Thuja occidentalis (Eastern White Cedar)	18	<null></null>	<null></null>	<null></null>	<null></null>	18	Good	<null></null>	Tree to be Retained
1487	Thuja occidentalis (Eastern White Cedar)	13	<null></null>	<null></null>	<null></null>	<null></null>	13	Good	<null></null>	Tree to be Retained
1488	Thuja occidentalis (Eastern White Cedar)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Good	<null></null>	Tree to be Retained
1489	Thuja occidentalis (Eastern White Cedar)	16	<null></null>	<null></null>	<null></null>	<null></null>	16	Good	<null></null>	Tree to be Retained
1490	Thuja occidentalis (Eastern White Cedar)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	Good	<null></null>	Tree to be Retained
1491	Thuja occidentalis (Eastern White Cedar)	15	<null></null>	<null></null>	<null></null>	<null></null>	15	Good	<null></null>	Tree to be Retained
1492	Thuja occidentalis (Eastern White Cedar)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	<null></null>	Tree to be Retained
1493	Thuja occidentalis (Eastern White Cedar)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Good	<null></null>	Tree to be Retained
1494	Thuja occidentalis (Eastern White Cedar)	11	<null></null>	<null></null>	<null></null>	<null></null>	11	Good	<null></null>	Tree to be Retained
1495	Thuja occidentalis (Eastern White Cedar)	15	<null></null>	<null></null>	<null></null>	<null></null>	15	Good	<null></null>	Tree to be Retained
1496	Thuja occidentalis (Eastern White Cedar)	10	<null></null>	<null></null>	<null></null>	<null></null>	10	Good	<null></null>	Tree to be Retained
1497	Acer negundo (Manitoba Maple)	19	10	<null></null>	<null></null>	<null></null>	21.470911	Good	<null></null>	Tree to be Retained
1498	Acer saccharinum (Silver Maple)	178	<null></null>	<null></null>	<null></null>	<null></null>	178	Good	<null></null>	Tree to be Retained
1500	Malus pumila (Common Apple)	15	<null></null>	<null></null>	<null></null>	<null></null>	15	Fair	<null></null>	Tree to be Retained
1501	Acer saccharinum (Silver Maple)	48	14	<null></null>	<null></null>	<null></null>	50	Good	<null></null>	Tree to be Retained
1502	Alnus glutinosa (European Alder)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	Good	Tree on creek slope so unable to safely staple tag to truck. Tag secured to branch with wire. DBH	Tree to be Retained





Tree	Species	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Derived DBH	Condition	Comments	Recommendation
ID#		(cm)	(cm)	(cm)	(cm)	(cm)	(cm)			
1503	Alnus glutinosa (European Alder)	20	<null></null>	<null></null>	<null></null>	<null></null>	20	Good	<null></null>	Tree to be Retained
1504	Alnus glutinosa (European Alder)	33	11	<null></null>	<null></null>	<null></null>	34.785054	Good	<null></null>	Tree to be Retained
1505	Alnus glutinosa (European Alder)	25	15	<null></null>	<null></null>	<null></null>	29.154759	Good	<null></null>	Tree to be Retained
1679	Crataegus crus-galli (Cockspur Hawthorn)	13	<null></null>	<null></null>	<null></null>	<null></null>	13	Good	<null></null>	Tree to be Retained
1680	Carya ovata (Shagbark Hickory)	37	<null></null>	<null></null>	<null></null>	<null></null>	37	Dead	<null></null>	Tree to be Removed
1681	Fraxinus pennsylvanica (Green Ash)	16	<null></null>	<null></null>	<null></null>	<null></null>	16	Poor	Changed to poor condition in 2023.	Tree to be Retained
1682	Acer negundo (Manitoba Maple)	20	<null></null>	<null></null>	<null></null>	<null></null>	20	Good	Tree located on island - unable to access - DBH estimated - tree not tagged- tag put aside	Tree to be Retained
1683	Acer negundo (Manitoba Maple)	13	<null></null>	<null></null>	<null></null>	<null></null>	13	Good	Tree located on island - unable to access - DBH estimated - tree not tagged- tag put aside	Tree to be Retained
1684	Acer negundo (Manitoba Maple)	16	<null></null>	<null></null>	<null></null>	<null></null>	16	Good	<null></null>	Tree to be Retained





Tree	Species	DBH 1	DBH 2	DBH 3	DBH 4	DBH 5	Derived DBH	Condition	Comments	Recommendation
ID#		(cm)	(cm)	(cm)	(cm)	(cm)	(cm)			
1685	Acer saccharum (Sugar Maple)	17	<null></null>	<null></null>	<null></null>	<null></null>	17	Good	<null></null>	Tree to be Retained
1687	Carya ovata (Shagbark Hickory)	76	<null></null>	<null></null>	<null></null>	<null></null>	76	Good	<null></null>	Tree to be Retained
1688	Carya ovata (Shagbark Hickory)	30	27	<null></null>	<null></null>	<null></null>	40.360872	Good	<null></null>	Tree to be Retained
1689	Quercus macrocarpa (Bur Oak)	33	<null></null>	<null></null>	<null></null>	<null></null>	33	Good	<null></null>	Tree to be Retained
1690	Carya ovata (Shagbark Hickory)	55	<null></null>	<null></null>	<null></null>	<null></null>	55	Good	<null></null>	Tree to be Retained
1691	Carya ovata (Shagbark Hickory)	44	<null></null>	<null></null>	<null></null>	<null></null>	44	Good	<null></null>	Tree to be Retained
2163	Acer platanoides (Norway Maple)	40	<null></null>	<null></null>	<null></null>	<null></null>	40	Fair	Partial crown dieback	Tree to be Retained
2164	Picea glauca (White Spruce)	20	<null></null>	<null></null>	<null></null>	<null></null>	20	Good	<null></null>	Tree to be Retained
2167	Acer platanoides (Norway Maple)	49	<null></null>	<null></null>	<null></null>	<null></null>	49	Fair	Partial crown dieback	Tree to be Retained
2168	Picea glauca (White Spruce)	23	<null></null>	<null></null>	<null></null>	<null></null>	23	Good	<null></null>	Tree to be Retained
2169	Picea glauca (White Spruce)	23	<null></null>	<null></null>	<null></null>	<null></null>	23	Good	<null></null>	Tree to be Retained
2184	Acer platanoides (Norway Maple)	24	18	<null></null>	<null></null>	<null></null>	30	Good	On fence line	Tree to be Retained
2186	Acer platanoides (Norway Maple)	55	<null></null>	<null></null>	<null></null>	<null></null>	55	Good	<null></null>	Tree to be Retained
2190	Picea pungens (Blue Spruce)	27	<null></null>	<null></null>	<null></null>	<null></null>	27	Good	<null></null>	Tree to be Retained
2191	Picea pungens (Blue Spruce)	30	<null></null>	<null></null>	<null></null>	<null></null>	30	Good	<null></null>	Tree to be Retained
2193	Acer platanoides (Norway Maple)	19	<null></null>	<null></null>	<null></null>	<null></null>	19	Good	<null></null>	Tree to be Retained
2196	Acer x freemanii (Freeman's Maple)	18	<null></null>	<null></null>	<null></null>	<null></null>	18	Fair	<null></null>	Tree to be Retained
2197	Acer x freemanii (Freeman's Maple)	16	<null></null>	<null></null>	<null></null>	<null></null>	16	Good	<null></null>	Tree to be Retained
2198	Acer x freemanii (Freeman's Maple)	20	<null></null>	<null></null>	<null></null>	<null></null>	20	Good	<null></null>	Tree to be Retained
2380	Picea pungens (Blue Spruce)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	good	<null></null>	Tree to be Removed





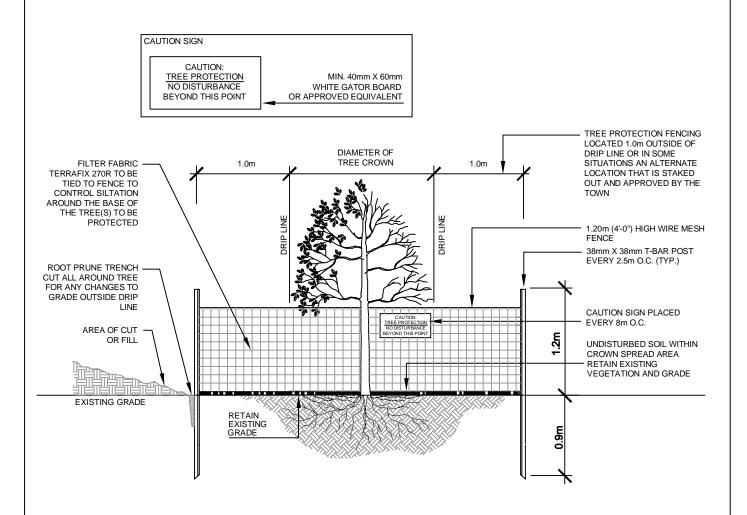
Tree ID#	Species	DBH 1 (cm)	DBH 2 (cm)	DBH 3 (cm)	DBH 4 (cm)	DBH 5 (cm)	Derived DBH (cm)	Condition	Comments	Recommendation
2381	Picea pungens (Blue Spruce)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	excellent	Bird nest present in tree	Tree to be Removed
2382	Picea glauca (White Spruce)	15	<null></null>	<null></null>	<null></null>	<null></null>	15	excellent	<null></null>	Tree to be Removed
2383	Picea pungens (Blue Spruce)	14	<null></null>	<null></null>	<null></null>	<null></null>	14	good	<null></null>	Tree to be Removed
2384	Picea pungens (Blue Spruce)	12	<null></null>	<null></null>	<null></null>	<null></null>	12	excellent	<null></null>	Tree to be Removed
2385	Picea abies (Norway Spruce)	20	<null></null>	<null></null>	<null></null>	<null></null>	20	good	<null></null>	Tree to be Removed



# **Appendix B**

**Tree Protection Fencing Standards** 





#### NOTES:

- 1. TREE PROTECTION FENCING AND ASSOCIATED FILTER FABRIC IS TO BE MAINTAINED IN GOOD WORKING ORDER THROUGHOUT CONSTRUCTION PERIOD UNTIL APPROVAL TO REMOVE THE FENCING IS OBTAINED BY THE TOWN OF MILTON.
- 2. EXISTING TREES SHALL BE PROPERLY PROTECTED WITHIN THE DRIP LINE WITH WIRE MESH FENCING AS PER THE APPROVED LANDSCAPE PLAN UNTIL SUBSTANTIAL PERFORMANCE OR REPLACEMENT WITH A PERMANENT FENCE.
- 3. STEEL T-BAR TO HAVE MIN. 2.5 m O.C. SPACING.
- 4. MAINTAIN EXISTING GRADE WITHIN DRIP LINE OF ALL TREES TO BE PRESERVED.
- 5. PRUNE DEAD WOOD ONLY AS DIRECTED BY TOWN. DO NOT PRUNE LEADERS.
- 6. WATERING AND FERTILIZING PROGRAM SHALL BE MAINTAINED TO THE SATISFACTION OF THE TOWN.
- 7. THE COST OF REPLACING DEAD AND SEVERELY DAMAGED TREES, AS DETERMINED BY THE TOWN, SHALL BE BORNE BY THE DEVELOPER AND/OR GENERAL CONTRACTOR. THE SPECIES AND SIZE(S) MUST BE APPROVED BY THE TOWN.
- 8. ENSURE POSITIVE DRAINAGE AWAY FROM THE FENCED AREA.
- 9. NO STORAGE OF MATERIALS OR GRADE CHANGES ARE TO OCCUR WITHIN THE FENCED AREA.

TOWN OF MILTON	Scale: N.T.S.	
	Date: JUNE 2018	
TREE PROTECTION FENCING	Std. No. P-1	