



**CITY OF ROCKVILLE**  
Procurement Division  
111 Maryland Avenue  
Rockville, Maryland 20850-2364  
Phone 240-314-8430 Fax 240-314-8439

## **ADDENDUM 1**

**DATE:** July 28, 2025

**REFERENCE:** City of Rockville  
Request for Proposal:

**RFP 08-25**

**Redgate Park Improvements: Concept, Design, And  
Construction Administration Services**

**Scheduled Submittal Deadline:** **Wednesday, August 20, 2025 at 2:00 P.M. (Eastern)**

---

**Please note the following additions, revisions, clarifications, corrections and/or deletions have been made to the above referenced Request for Proposal (RFP):**

**Addition 1:**

A preliminary copy of the Natural Resource Inventory/Forest Stand Delineation (NRI/FSD) has been furnished as Attachment A to this Addendum for the sole purpose of providing additional information.

**Addition 2:**

A General Site Map has been furnished as Attachment B to this Addendum for the sole purpose of providing additional information.

**Addition 3:**

A Checklist for Forest Conservation Plan has been furnished as Attachment C to this Addendum for the sole purpose of providing additional information.

**Addition 4:**

The following Condition has been added as Article 53 to Attachment D of the RFP:

*"An individual or business entity that employs an individual who assists a City department in the drafting of requirements, specifications, and/or drawings for an invitation for bids or a request for proposal for a competitive procurement process may not submit a bid or proposal for that procurement process or assist or represent another person, directly or indirectly, who is submitting a bid or proposal for that procurement process."*

**Addition 5:**

The following Task C - Design Development Requirement And Deliverable has been added to the RFP as **Section II.E.a.viii.**:

*"Conceptual Layouts: Based on existing site topography and the City's desire to implement Universal Site Design concepts, the design team should prepare up to three conceptual sketches showing potential layouts for the proposed active area features for the City to consider."*

**Clarification 1:**

Section II.D Task B – Existing Trail and Parking Lot Maintenance, Rehabilitation, and Enhancement applies to the whole park (active and passive areas). Final deliverables for Task B should include an evaluation of the existing asphalt trail and pathway system and long-term recommendations for enhancing the trail and pathway system at RedGate that can be implemented over time, where design and construction in the passive areas is not anticipated, or a requirement of the RFP.

**Clarification 2:**

Section II.E Task C – Design Development Requirements and Deliverables only applies to the active area of the park where the new features are proposed as outlined in Attachment B, where the limits of construction (i.e., Limits of Disturbance) for this project is anticipated to be within the active areas only, and construction is not intended in the passive areas of the park as part of the RFP's Scope of Work, nor is it intended as a requirement of the RFP.

**Deletion 1:**

Section II.C Task A – Arboretum Design Development Requirements of the RFP has been deleted in its entirety, where Proposals should include hourly rates for arboretum expert services, as the City reserves the right to order this work at a later date, up to two (2) years after award of any subsequent contract, at the contract rates with the contract sum and time being adjusted accordingly and determined by mutual agreement, as well as signed by both parties authorized agents.

**Deletion 2:**

Section II.E.a.vi – New Entrance Road of the RFP has been deleted in its entirety, where the City reserves the right to order this work at a later date, up to two (2) years after award of any subsequent contract, at the contract rates with the contract sum and time being adjusted accordingly and determined by mutual agreement, as well as signed by both parties authorized agents.

**Revision 1:**

The arboretum experience in Section I.D - Minimum Requirements of the RFP has been revised to read as follows, where all other requirements of Section I.D remain the same:

“Arboretum experience five (5) years and/or five (5) projects designing Level 1, Level 2, or Level 3 qualified arboretum.”

**Additionally, we received the following questions/comments concerning this Request for Proposal. Responses to these questions are also provided, where additions, revisions, clarifications, corrections and/or deletions found within the City's response are incorporated into this Addendum:**

- 1) I am submitting the following observations and questions for your consideration. We would appreciate a prompt response, as our team's ability to respond to this RFP hinges on the response to these questions. Thanks in advance.

Section I.D Page 11: Minimum Requirements

Our understanding of the RFP is that the City is seeking to implement the Reimagining Red Gate Master Plan to be designed as a minimum Level 1 arboretum, with potential to move towards a Level 2 or Level 3 arboretum in the future. The minimum requirements noted in the RFP – having “Arboretum experience five (5) years and/or five (5) projects) designing level 3 qualified arboretum” – seem to be very limiting as there are few firms or individuals that have had the opportunity to work on that many level 3 qualified arboretum. Arboretums of this status take years to establish and are often led by the institution that manages the collection and these collections are often built organically over time, they are not typically managed or designed by a single individual or design firm. Many firms will be able to claim that they have worked on arboretum projects that contribute to the accreditation, however very few will be able to stake claim to designing five-(5) Level 3 ArbNet arboretums.

a. Can you please clarify how this criterion will be evaluated and how the “and/or” applies?

b. Is it acceptable to include work where we have designed to a minimum of Level 1 or 2 arboretum with aspirational plans for the institution to seek accreditation and eventually become a Level 2 or 3, following the qualifications and requirements of ArbNet Arboretum Accreditation Program?)

c. Is it acceptable to meet this criterion as a team?

**RESPONSE**

**See Revision 1 above. The experience can be demonstrated as a team. The “and/or” means the experience can either be five projects or five years of arboretum design experience, or some combination of the two.**

- 2) I am submitting the following observations and questions for your consideration. We would appreciate a prompt response, as our team's ability to respond to this RFP hinges on the response to these questions. Thanks in advance.

Section I.D Page 11: Minimum Requirements

How is the City defining “proof of the minimum qualification by furnishing copies of letters, certificates, etc. (as applicable) which clearly document said qualifications”? Can you please be more specific as to what types of letters or certificates would meet this criterion (e.g., will any of the following suffice to demonstrate these minimum qualifications? client references letters, design awards/certificates, professional licenses, ArbNet Arboretum Accreditation documentation, project descriptions indicating how the design met (achieved) Level 1, 2, or 3 criteria)?

**RESPONSE**

**The listed examples are acceptable.**

- 3) Would the City consider working/purchasing on its own to implement, once up and running, a software program for plant database management/inventory?

**RESPONSE**

**See Deletion 1 above.**

- 4) Please elaborate specifically on what the consultant is being asked to do with respect to online educational opportunities as part of this agreement?

**RESPONSE**

**See Deletion 1 above.**

- 5) Please expand on signage programs are required as part of this effort?
1. Confirm that a signage master plan for the entire site is desired. Locating where, what types of and how many signs go where?
  2. We assume that signage panel graphic design is required?
  3. Interpretive/educational signs? If so how many? Etc.
  4. Will the City provide content or is the consultant expected to write the interpretive content for the signs.

**RESPONSE**

**See Deletion 1 above.**

- 6) For purposes of bidding and comparing apples to apples, can you please be more specific about the exact number of bid packages that you like and, for now, how you envision those being broken out - either by area (circle areas on master plan) or by dollar amount for construction budget. Otherwise, this will be very difficult to price.

**RESPONSE**

**For proposal purposes, assume three bid packages will be needed, based on estimated construction budgets.**

- 7) Section II, B. Key Design Elements, a) ii (Page 14) Reference to "New Forest" to be completed in spring 2024. Was this planting completed?

**RESPONSE**

**Refer to Attachment A for this response. There have been two rounds of tree plantings completed with funding provided by the Chesapeake Bay Trust. The general locations of these two areas are shown on the attached NRI/FSD. The rough limits of one reforestation area are shown on pages 2-3, and the rough limits of the second area are shown on pages 8-9.**

- 8) On Section II, A. Project Scope, Part 1, Task A: Arboretum Design Development (page 12): ArbNet requirements for Level 1, 2, 3 accreditation lists physical requirements, such as number of species included in the collection, but also includes operational requirements, such as dedicated collections curator, educational programming, contributions to the larger knowledge base, etc. Is an operations and management plan or strategic plan for the organization to be included as part of this plan?

**RESPONSE**

**See Deletion 1 above.**

- 9) On Section II, A. Project Scope, Part 1, Task C (page 13): RFP mentions the design team should anticipate participation in up to 4 public meetings. Would the outreach and planning for these public meetings be conducted by the City or the design team?

**RESPONSE**

**The City will handle outreach for public meetings. The design team will be responsible for planning, preparing, and leading the meetings.**

- 10) On Section II, C. Arboretum Design, item d (page 15): There is detail included about signage, both interpretive and wayfinding. Is it expected that a signage or interpretation consultant is included as part of the team?

**RESPONSE**

**See Deletion 1 above.**

- 11) On Section II, E. Task C, items l and m (pages 18- 19): The RFP outlines a design schedule with multiple prescribed deliverables and timing. Is there flexibility in this approach, in terms of number of deliverables and phase durations?

**RESPONSE**

**There is some flexibility in the design schedule and durations, and your approach should be outlined in the 'Project Approach' portion of the proposal. However, the design phase deliverables listed in item l (conceptual, 30%, 65%, 80%, and 95%) are required because each phase has a specific purpose. Refer to item l on Page 19 of the RFP for expectations associated with each deliverable.**

- 12) The RFP says possible traffic light/signal. Do we assume that we should include a fee for that or provide an nate price of the traffic study warrants one?

**RESPONSE**

**See Deletion 2 above.**

- 13) Will a survey be required of the entire golf course or only select or limited areas?

**RESPONSE**

**It is anticipated that surveying will be required in select or limited areas.**

- 14) Will any additional wetland delineation be required beyond what will be covered with the NRI?

**RESPONSE**

**Additional wetland delineation is not anticipated. See Attachment A for current wetlands delineation.**

- 15) Can we assume that only one bid package will be developed and then once the City determined the funding available provide a price at a later date for separate a phased set of plans based on that? If will be difficult to assess pricing for multiple bid packages without scope or area known.

**RESPONSE**

**See response for Question #6 above.**

- 16) Will there be amphitheater seating and band shell/stage as part of this project? Or only the concrete stage platform? Will electric be needed in this area as a stub?

**RESPONSE**

**This project includes establishing the amphitheater's final location and providing a concrete platform with power. It does not include design of an amphitheater. The City has not made a determination regarding the type of amphitheater, but, for bid purposes, assume the slab is intended to be a "make-ready" component capable of receiving a structure in the future.**

- 17) Is the expectation that all of the walking trails throughout the park are technically ADA accessible? Or only portions of trails to key areas?

**RESPONSE**

**No, all walking paths at RedGate will not be ADA accessible. For proposal purposes, assume pathways to unique features inside the active area will need to be accessible.**

- 18) Which areas of the site are to have lighting?

**RESPONSE**

**Some site lighting may be required in the active area of the park, but final design will need to keep with the general passive nature of the park.**



19) Are any areas to be irrigated?

**RESPONSE**

**No.**

20) Has a design budget been established for this project?

**RESPONSE**

**No, a design budget has not been established for this project.**

21) Will the provided Natural Resources Inventory/Forest Stand Delineation include identification of trees 6" and greater with an ID number and health assessment? If so, will the information be provided in electronic format for use in the GIS database?

**RESPONSE**

**Please see Attachment A. The information will be provided in electronic format after permit approval.**

22) Will topography, streams, spring, ponds, wetlands, and other features be included in the provided Natural Resources Inventory/Forest Stand Delineation?

**RESPONSE**

**Please see Attachment A.**

23) If information on trees 6" and greater is not provided, should we include a survey for trees 6" and greater throughout the 130 acres of the park?

**RESPONSE**

**No. All trees 6-inches and greater were surveyed as part of the NRI/FSD based on the delineations shown on Attachment B. We do not anticipate additional surveying of trees 6-inches and greater.**

24) Should fieldwork to identify invasive species throughout the entire 130 acre park be included?

**RESPONSE**

**See Deletion 1 above.**

25) Is the invasives species management plan for the entire park, or the 10% active use area?

**RESPONSE**

**See Deletion 1 above.**

26) Please clarify what additional reconnaissance will be needed to supplement the NRI/FSD for preparation of the FCP.

**RESPONSE**

**A preliminary copy of the NRI/FSD is provided as Attachment A. The Checklist for the FCP is being provided as Attachment C. Additional reconnaissance may be required to supplement information needed for the FCP that is not shown on the final NRI/FSD.**

27) Is a survey available for the site and does it include the project entrance/intersection and traffic lights? Please provide a copy for review, if available.

**RESPONSE**

**See Deletion 2 above.**

28) Can the City provide a draft of the Forest Conservation Plan in progress?

**RESPONSE**

**An NRI/FSD is in progress. Please see Attachment A. Preparation of the Forest Conservation Plan is part of this RFP scope and will be the responsibility of the selected design firm to complete. The checklist for the FCP is included as Attachment C.**

- 29) Should the consultant team include demolition plans (RFP page 5) for the existing clubhouse, or any other scope associated with this?

**RESPONSE**

**A demolition plan for the clubhouse has been included as an ADD ALTERNATE in the Bid Schedule.**

- 30) If the clubhouse is being demolished, should we include designing/building restrooms as part of the project? Does the City envision a prefabricated restroom in the interim until the new visitor center gets built?

**RESPONSE**

**Yes, we envision a prefabricated restroom near the picnic pavilions as part of this scope.**

- 31) Will Task A need to consider native locations for the Visitor Center or utilize the current clubhouse location only?

**RESPONSE**

**See Addition 5 above. The consultant will need to provide up to 3 conceptual sketches showing different layouts for the new features. Although design of the Visitor Center is not part of this scope, it's location will need to be determined during the conceptual phase.**

- 32) Should we plan to address all master plan recommendations noted on Page 12 Pathway Network?

**RESPONSE**

**No. For proposal purposes, assume the master plan recommendations for the pathways will only be addressed inside the active area only.**

- 33) Please confirm the extent of the traffic study needed for the park entrance - traffic signal, turn lanes, additional lanes?

**RESPONSE**

**See Deletion 2 above.**

- 34) Should we design all arboretum features and park-wide enhancements (per Master Plan, p. 22) under Task A and the 30% Design Submittal, or focus only on the 10% active central zone? We are trying to establish a scope of work boundary for the "active" areas and the "arboretum" for the fee proposal.

**RESPONSE**

**Design Development should focus on the active central zone.**

- 35) How many options would the City like to see during Task A and B?

**RESPONSE**

**Task A is being removed. See Deletion 1 above. For Task B, see Clarification 2 above.**

- 36) We understand the Natural Resource Inventory/Forest Stand Delineation plan is in progress and the information from this NRI/FSD will be provided. Is topography, geology, streams, ponds, and other observed features of significance all included in the current effort, or will that be additional content that gets added to the new Update?

**RESPONSE**

**Please see Attachment A. Additional content may be added to the preliminary NRI/FSD based on permit review comments.**

- 37) What is the anticipated project delivery method? General Contractor, Construction Manager (CM), Construction Manager at Risk (CMR), other? If CM or CMR, do you anticipate the consultant will assist the City in preparing a RFQ or RFP as well as assisting in the selection process?

**RESPONSE**

**This will be a Firm-Fixed Bid (Lump Sum) issued to a General Contractor.**

- 38) Please provide additional information regarding utility design and implementation details that are expected for Phase 1. For a utility make-ready package, we anticipate needing to prepare a schematic level design for the Visitor's Center and amphitheater so that an accurate M/E/P basis of design can be developed and utilities sized accordingly. Or will the City provide basic criteria including square footage, programming, unique features, etc. to base the utility design on?

**RESPONSE**

**The City will provide basic criteria to base the utility design on.**

- 39) What kind of amphitheater is the City envisioning - a passive one for outdoor gatherings with the ability to support equipment rentals or a built-in with lighting, sound systems, party panels, etc. fully integrated? The master plan includes images for a range of those.

**RESPONSE**

**See response to Question #16 above.**

- 40) Please clarify if the intent for slab-on-grade for the future amphitheater is to create an informal gathering / assembly space during Phase 1, or if the slab is intended as a make-ready component to directly receive the future amphitheater superstructure.

**RESPONSE**

**See response to Question #16 above.**

- 41) Please confirm if we should include a fee for splitting the construction documents into three separate construction bid packages or if the design team will be able to submit an additional fee when a decision for that is made.

**RESPONSE**

**See response for Question #6 above.**

- 42) Is there an anticipated quantity of borings needed for building and pavement design, or should the consultant make an assumption with additional borings provided as additional services?

**RESPONSE**

**Quantity and depth of borings should be determined by the design team.**

- 43) Regarding the submittal for "permit ready drawings and specifications - 210 calendar days (7 months) after the City makes a selection on which option to proceed," what option is this submittal referring to? Please elaborate on the need for the additional 7-months to produce permit ready drawings and confirm the project timeframe of one (1) year of design and (2) years for construction for Phase 1.

**RESPONSE**

**The 'option' being referenced is the approved conceptual layout. See Clarification 3 above for more detail regarding the Conceptual Phase. The 7-months is related to the amount of time between a concept layout being chosen, and the design being permit-ready. However, there is flexibility in the scheduling. See Question 11 above for more information.**

- 44) Is the City also looking for a business and operations strategic plan for the arboretum as part of the proposal?

**RESPONSE**

**See Deletion 1 above.**

- 45) Since an arborist report is in progress, what is the extent of the Arborist Report required as part of this proposal? We are looking for some guidelines to base our fee on.

**RESPONSE**

**See Deletion 1 above.**

- 46) The minimum requirements state that firms must have "Arboretum experience five (5) years and/or five (5) projects) designing level 3 qualified arboretum." Can this be demonstrated as a team, or must the prime firm have this experience?

**RESPONSE**

**See response for Question #1 above.**

- 47) Does the requested arboretum experience need to be in projects creating arboretums or projects that were arboretums at inception of the project?

**RESPONSE**

**The requested arboretum experience can be anything that shows experience working on or creating arboretums.**

- 48) What documentation would the City like to see for demonstration of experience with Olmsted's Design Principles?

**RESPONSE**

**Any of, but not limited to, the following will be sufficient: client references or letters, design awards/certificates, professional licenses, project descriptions indicating how the design demonstrated the principles, etc.**

- 49) Are firms with prior experience on the site excluded from this project?

**RESPONSE**

**See Addition 4 of this Addendum.**

- 50) May the City provide additional detail regarding anticipated or desired phasing (with the understanding that the phasing may change based on funding availability) to help establish more consistency in pricing?

**RESPONSE**

**See response for Question #6 above.**

- 51) Since the project may be installed in phases, are teams being requested to provide fees for construction of the park in its entirety?

**RESPONSE**

**No. For proposal purposes, assume construction will occur within the active area as designated on Attachment B.**

Please sign below to acknowledge receipt of addendum and return with your proposal.

Sincerely,

Jonathan Pierson, CPSM, C.P.M.  
Assistant Director

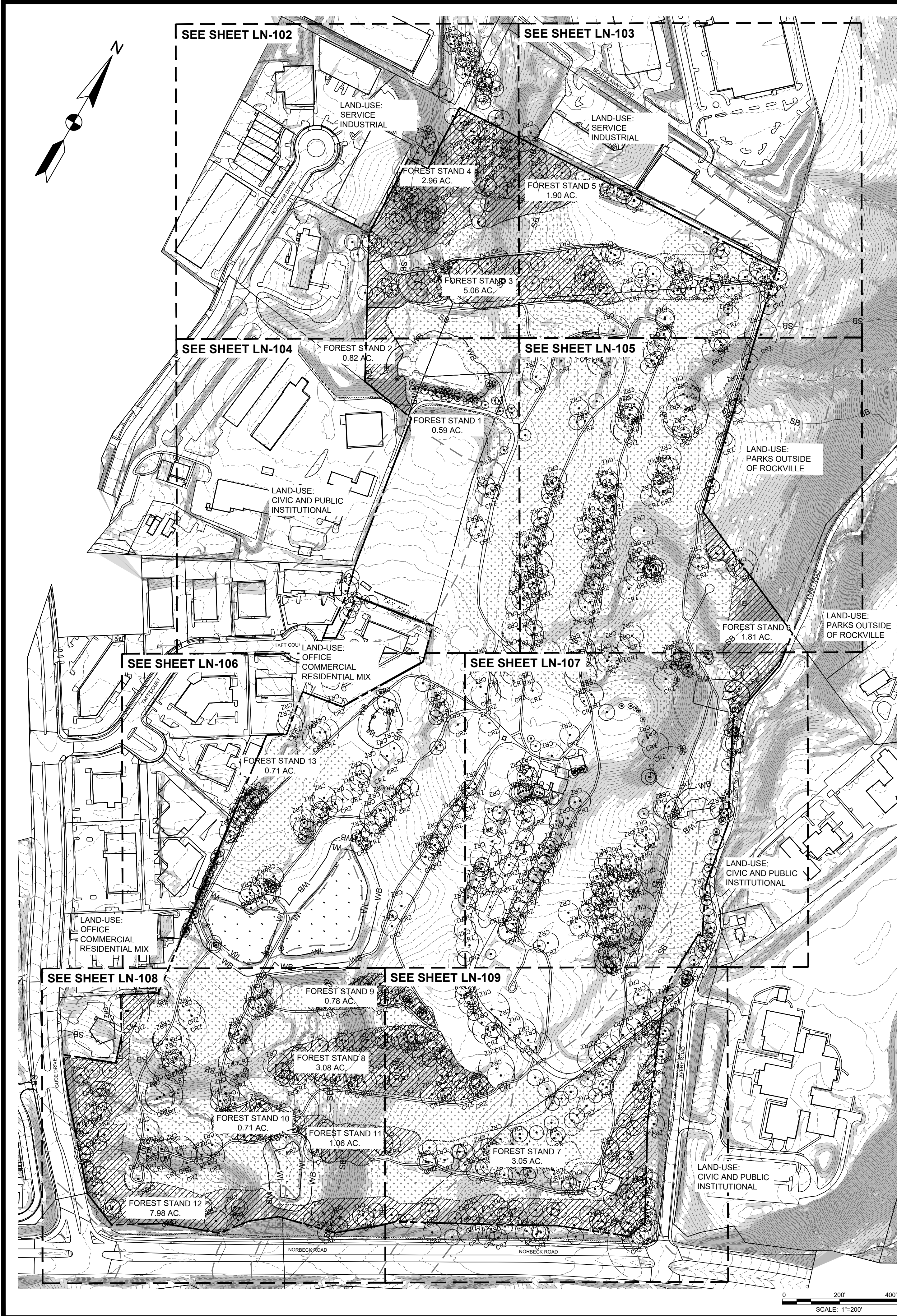
\_\_\_\_\_  
Company Name

\_\_\_\_\_  
Authorized Signature

\_\_\_\_\_  
Date

JWP/jwp





PROPERTY INFORMATION:

PARCEL NUMBER: P824, P907, P140, P484  
ACCOUNT NUMBER: 01599675, 00054252, 00151815, 02827695, 01549647, 03707296  
ADC MAP/GRID: MAP 5164 GRID K4, K5, K6  
TAX MAP: GS51, GR53, GR63  
WSSC GRID: 220NW06, 219NW06  
TOTAL ACRES: 5,707.470.17 SF/131.03 AC

GENERAL NOTES

1. TOTAL TRACT AREA: 5,707.470.17 SF/131.03 AC
2. CURRENT ZONING: PARK
3. WATERSHED THAT THE SITE IS IN: ROCK CREEK WATERSHED
4. FLOODPLAIN SOURCE: FEMA FLOOD MAPS 24031C0332D, 24031C0331D, 24031C0334D, 24031C0353D.
5. THERE ARE 2 CLASS I STREAM ON SITE. STREAM SOURCE: MDE AND FIELD INVESTIGATION.
6. THERE ARE 6 WETLANDS ON SITE. WETLAND SOURCE: NWI AND FIELD INVESTIGATION.
7. PER A LETTER RECEIVED FROM DNR ON 8/23/2024, THERE ARE NO RARE, THREATENED, OR ENDANGERED SPECIES OBSERVED ON THE PROJECT.
8. A DBH TAPE WAS USED TO MEASURE THE DIAMETER OF TREES.
9. THERE ARE NO STATE/COUNTY CHAMPION TREES ON OR ADJACENT TO THE SITE.
10. THERE ARE NO KNOWN RECORDS OR READILY OBSERVABLE ARCHAEOLOGICAL, HISTORICAL OR CULTURAL FEATURES OR SCENIC OR HISTORIC ROADS ON OR IN THE IMMEDIATE VICINITY OF THIS PROPERTY.
11. FIELD WORK WAS CONDUCTED BY ANDREW STREAGLE, ANDREA STIRTON, ERIN BATLAS, LAUREN GRAY, MALIYAH HATCHELL, AND DEREK AND OF A. MORTON THOMAS AND ASSOCIATES IN JUNE 2024.
12. THE TOPOGRAPHY AND PROPERTY LINES SHOWN ON THIS PLAN ARE FROM GIS INFORMATION.

FOREST STAND NARRATIVE

REDGATE PARK IS LOCATED AT THE INTERSECTION OF AVERY ROAD AND NORBECK ROAD. THERE ARE 13 FOREST STANDS SPREAD THROUGHOUT THE SITE. THERE HAS BEEN LITTLE TO NO FOREST MANAGEMENT IN THE PAST OR CURRENTLY. AMT RECOMMENDS THAT AFTER SITE IMPROVEMENTS ARE COMPLETED, INVASIVES BE REMOVED AND MANAGED ACCORDING TO CITY OF ROCKVILLE STANDARDS.

STAND 1:

FOREST STAND 1 IS LOCATED ON THE NORTHWEST SIDE OF THE SITE. THIS STAND IS DOMINATED BY ACER RUBRUM. IT IS RIVER BIRCH - SYCAMORE ASSOCIATION AND HAS A MIXED UNDERSTORY OF SMALL TREES AND SHRUBS. THE HERBACEOUS AND WOODY PLANT COVER 0'-3' TALL INCLUDES CIRSIUM VULGARE, CELASTRUS ORBICULATUS, VITIS SSP, AND AMPELOPSIS BREVIDUNCULATA. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE LONICERA MAACKII, CIRSIUM VULGARE, MICROSTEGIUM VINIUM, CELASTRUS ORBICULATUS, AND AMPELOPSIS BREVIDUNCULATA.

STAND 2:

FOREST STAND 2 IS LOCATED ON THE NORTHWEST SIDE OF THE SITE, NORTH OF STAND 1. THIS STAND IS DOMINATED BY LIRODENDRON TULIPIFERA, ACER RUBRUM, AND QUERCUS RUBRA. IT IS TULIP POPLAR ASSOCIATION AND HAS A MIXED UNDERSTORY OF SMALL TREES AND SHRUBS. THE HERBACEOUS AND WOODY PLANT COVER 0'-3' TALL INCLUDES LONICERA JAPONICA, LONICERA MAACKII, TOXICODENDRON RADICANS, AMPELOPSIS BREVIDUNCULATA, MICROSTEGIUM VINIUM, AND SOLANUM CAROLINENSE. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE MICROSTEGIUM VINIUM, AMPELOPSIS BREVIDUNCULATA, LONICERA MAACKII, LONICERA JAPONICA, SOLANUM CAROLINENSE, AND RUBUS PHOENICOLASII.

STAND 3:

FOREST STAND 3 IS LOCATED ON TOWARDS THE NORTH SIDE OF THE SITE. THIS STAND IS DOMINATED BY QUERCUS ALBA. IT IS CHESTNUT OAK ASSOCIATION AND HAS A MIXED UNDERSTORY OF SMALL TREES AND SHRUBS. THE HERBACEOUS AND WOODY PLANT COVER 0'-3' TALL INCLUDES TOXICODENDRON RADICANS, QUERCUS MONTANA (FORMERLY QUERCUS PRINUS), PARTHENOCISSUS QUINQUEFOLIA, TRIFOLIUM REPENS, VITIS SP., CELASTRUS ORBICULATUS, MICROSTEGIUM VINIUM, SMILAX ROTUNDIFOLIA, LIGUSTRUM JAPONICUM, AND LESPEDEZA SP. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE CELASTRUS ORBICULATUS, AMPELOPSIS BREVIDUNCULATA, SMILAX ROTUNDIFOLIA, MICROSTEGIUM VINIUM, AND LESPEDEZA SP.

STAND 4:

FOREST STAND 4 IS LOCATED IN THE NORTHWEST CORNER OF THE SITE. THIS STAND IS DOMINATED BY LIRODENDRON TULIPIFERA. IT IS TULIP POPLAR ASSOCIATION AND HAS A MIXED UNDERSTORY OF SMALL TREES AND SHRUBS. THE HERBACEOUS AND WOODY PLANT COVER 0'-3' TALL INCLUDES DRYOPTERIS MARGINALIS, MICROSTEGIUM VINIUM, TRILLIUM GRANDIFLORUM, CELASTRUS ORBICULATUS, CARYA TOMENTOSA, AND INPATIENS CAPENSIS. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE CELASTRUS ORBICULATUS AND MICROSTEGIUM VINIUM.

STAND 5:

FOREST STAND 5 IS LOCATED ON THE NORTHERN EDGE OF THE SITE, TO THE EAST OF STAND 4. THIS STAND IS DOMINATED BY NYSSA SYLVATICA AND QUERCUS MONTANA (FORMERLY QUERCUS PRINUS). IT IS CHESTNUT OAK ASSOCIATION AND HAS A MIXED UNDERSTORY OF SMALL TREES AND SHRUBS. THE HERBACEOUS AND WOODY PLANT COVER 0'-3' TALL INCLUDES QUERCUS MONTANA (FORMERLY QUERCUS PRINUS), PRUNUS SEROTINA, LIRODENDRON TULIPIFERA, MICROSTEGIUM VINIUM, ACER RUBRUM, PARTHENOCISSUS QUINQUEFOLIA, CELASTRUS ORBICULATUS, CARYA TOMENTOSA, AND LONICERA MAACKII. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE MICROSTEGIUM VINIUM, CELASTRUS ORBICULATUS, AND LONICERA MAACKII.

STAND 6:

FOREST STAND 6 IS LOCATED ON THE EASTERN EDGE OF THE SITE. THIS STAND IS DOMINATED BY NYSSA SYLVATICA. IT IS CHESTNUT OAK ASSOCIATION AND HAS A MIXED UNDERSTORY OF SMALL TREES AND SHRUBS. THE HERBACEOUS AND WOODY PLANT COVER 0'-3' TALL INCLUDES PRUNUS SEROTINA, RUBUS PHOENICOLASII, AMPELOPSIS BREVIDUNCULATA, PARTHENOCISSUS QUINQUEFOLIA, POLYSTICHUM ACROSTICHODES, SMILAX ROTUNDIFOLIA, MICROSTEGIUM VINIUM, AND CELASTRUS ORBICULATUS. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE SMILAX ROTUNDIFOLIA, MICROSTEGIUM VINIUM, BERBERIS THUNBERGII, RUBUS PHOENICOLASII, AND CELASTRUS ORBICULATUS.

STAND 7:

FOREST STAND 7 IS LOCATED ON THE SOUTHEAST SIDE OF THE SITE. THIS STAND IS DOMINATED BY QUERCUS ALBA AND QUERCUS RUBRA. IT IS TULIP POPLAR ASSOCIATION AND HAS A MIXED UNDERSTORY OF SMALL TREES AND SHRUBS. THE HERBACEOUS AND WOODY PLANT COVER 0'-3' TALL INCLUDES CELASTRUS ORBICULATUS, ACER RUBRUM, PRUNUS SEROTINA, VITIS SP., BERBERIS THUNBERGII, PARTHENOCISSUS QUINQUEFOLIA, MICROSTEGIUM VINIUM, AND TOXICODENDRON RADICANS. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE RUBUS PHOENICOLASII, CELASTRUS ORBICULATUS, BERBERIS THUNBERGII, AND MICROSTEGIUM VINIUM.

STAND 8:

FOREST STAND 8 IS LOCATED ON THE SOUTHERN SIDE OF THE SITE, SOUTH OF STAND 9. THIS STAND IS DOMINATED BY NYSSA SYLVATICA AND QUERCUS ALBA. IT IS CHESTNUT OAK ASSOCIATION AND HAS A MIXED UNDERSTORY OF SMALL TREES AND SHRUBS. THE HERBACEOUS AND WOODY PLANT COVER 0'-3' TALL INCLUDES PRUNUS SEROTINA, PARTHENOCISSUS QUINQUEFOLIA, VITIS SP., LONICERA MAACKII, CELASTRUS ORBICULATUS, PHYTOLACCA AMERICANA, AND RUBUS PHOENICOLASII. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE LONICERA MAACKII, CELASTRUS ORBICULATUS, AND RUBUS PHOENICOLASII.

STAND 9:

FOREST STAND 9 IS LOCATED ON THE SOUTHERN SIDE OF THE SITE, NORTH OF STAND 8. THIS STAND IS DOMINATED BY QUERCUS MONTANA (FORMERLY QUERCUS PRINUS) AND NYSSA SYLVATICA. IT IS CHESTNUT OAK ASSOCIATION AND HAS A MIXED UNDERSTORY OF SMALL TREES AND SHRUBS. THE HERBACEOUS AND WOODY PLANT COVER 0'-3' TALL INCLUDES PARTHENOCISSUS QUINQUEFOLIA, QUERCUS MONTANA (FORMERLY QUERCUS PRINUS), RUBUS PHOENICOLASII, TOXICODENDRON RADICANS, ACER RUBRUM, SMILAX ROTUNDIFOLIA, AND MICROSTEGIUM VINIUM. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE CELASTRUS ORBICULATUS, RUBUS PHOENICOLASII, SMILAX ROTUNDIFOLIA, MICROSTEGIUM VINIUM.

STAND 10:

FOREST STAND 10 IS LOCATED ON THE SOUTHERN SIDE OF THE SITE, WEST OF STAND 11. THIS STAND IS DOMINATED BY LIRODENDRON TULIPIFERA. IT IS TULIP POPLAR ASSOCIATION AND HAS A MIXED UNDERSTORY OF SMALL TREES AND SHRUBS. THE HERBACEOUS AND WOODY PLANT COVER 0'-3' TALL INCLUDES WISTERIA SP., TOXICODENDRON RADICANS, AMPELOPSIS BREVIDUNCULATA, PARTHENOCISSUS QUINQUEFOLIA, QUERCUS PHELLOS, AND RHUS TYPHINA. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE SMILAX ROTUNDIFOLIA, AMPELOPSIS BREVIDUNCULATA, ALBIZIA JULIBRISSIN, WISTERIA SP., AND CELASTRUS ORBICULATUS.

STAND 11:

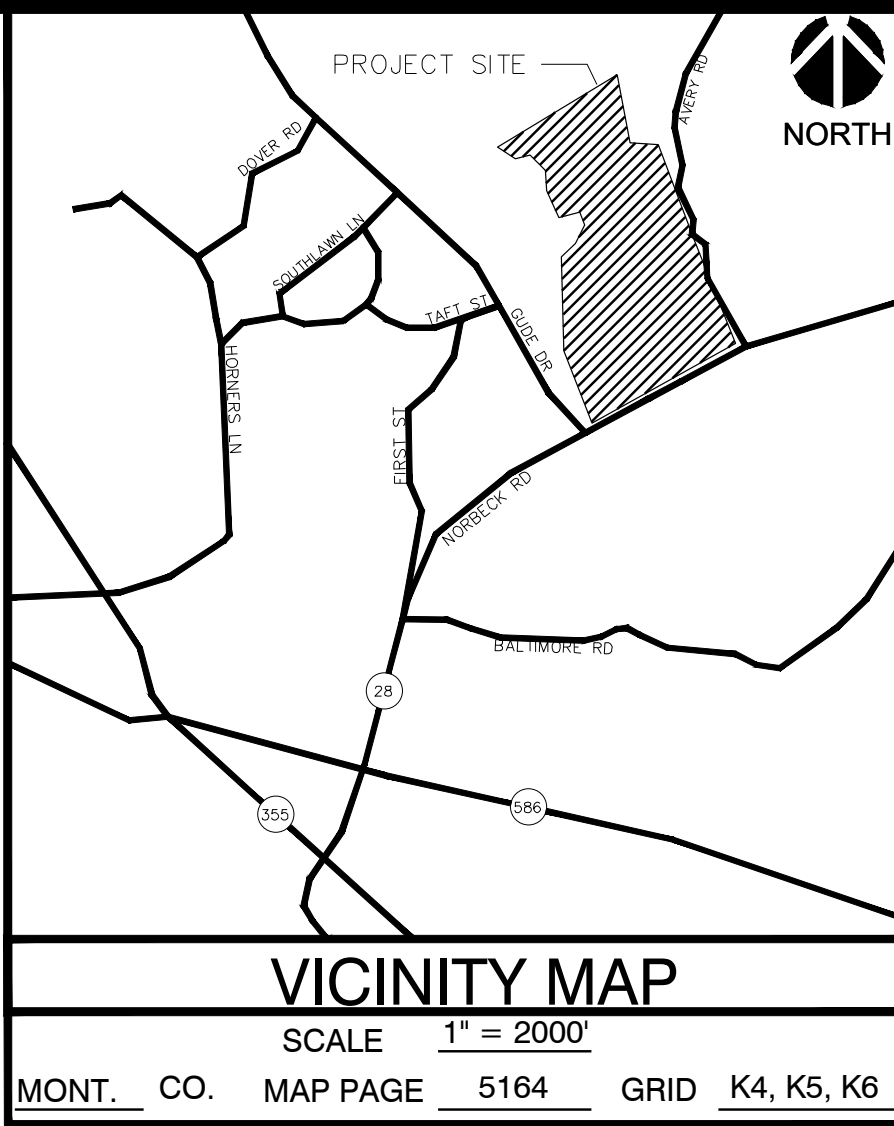
FOREST STAND 11 IS LOCATED ON THE SOUTHERN SIDE OF THE SITE, EAST OF STAND 10. THIS STAND IS DOMINATED BY FAGUS GRANDIFOLIA. IT IS CHESTNUT OAK ASSOCIATION AND HAS A MIXED UNDERSTORY OF SMALL TREES AND SHRUBS. THE HERBACEOUS AND WOODY PLANT COVER 0'-3' TALL INCLUDES CELASTRUS ORBICULATUS, PARTHENOCISSUS QUINQUEFOLIA, TOXICODENDRON RADICANS, AND RUBUS PHOENICOLASII. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE BERBERIS THUNBERGII, RUBUS PHOENICOLASII, AND CELASTRUS ORBICULATUS.

STAND 12:

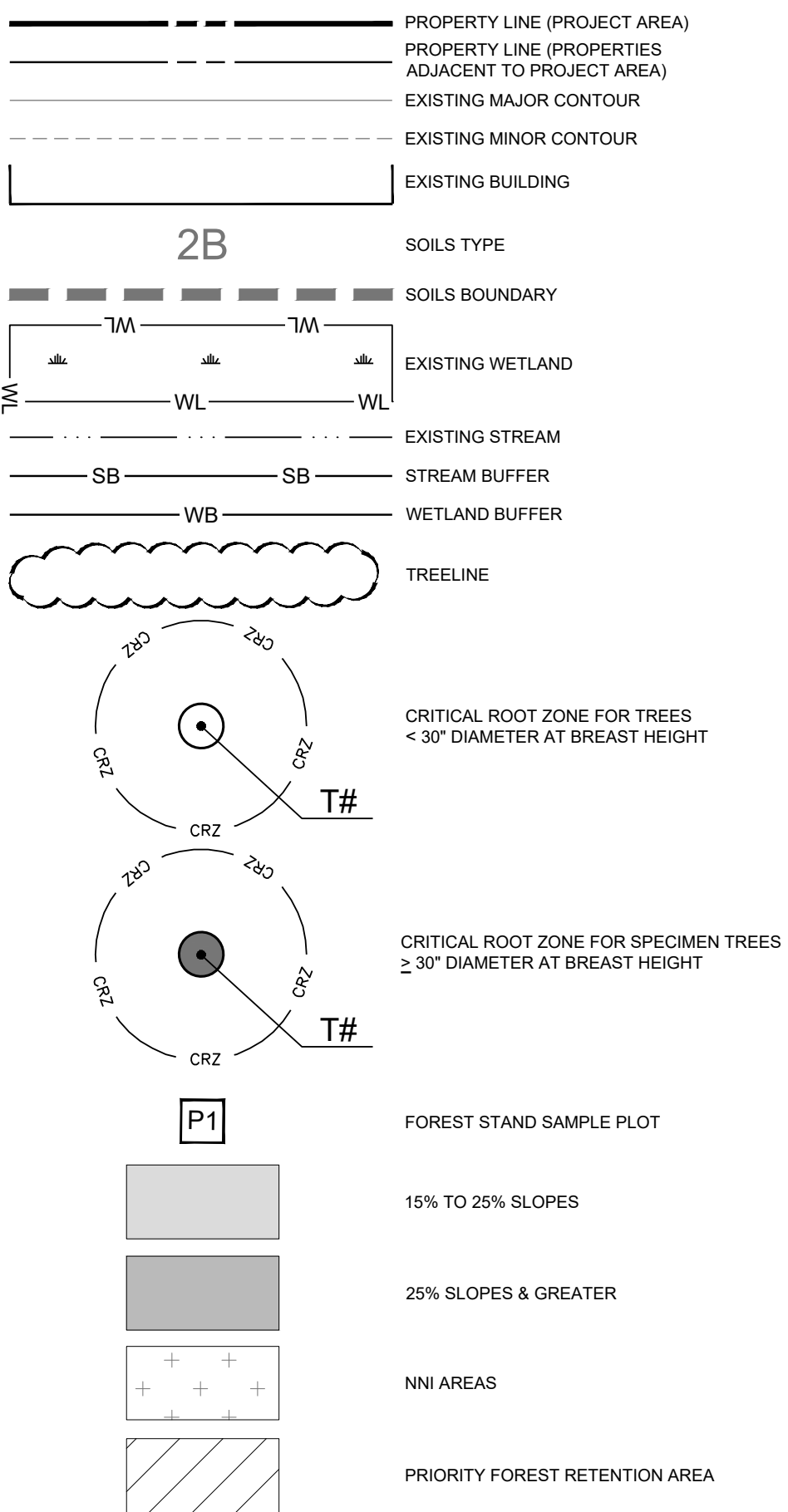
FOREST STAND 12 IS LOCATED ALONG THE SOUTHERN EDGE OF THE SITE. THIS STAND IS DOMINATED BY NYSSA SYLVATICA AND QUERCUS RUBRA. IT IS CHESTNUT OAK ASSOCIATION AND HAS A MIXED UNDERSTORY OF SMALL TREES AND SHRUBS. THE HERBACEOUS AND WOODY PLANT COVER 0'-3' TALL INCLUDES CELASTRUS ORBICULATUS, LONICERA MAACKII, PARTHENOCISSUS QUINQUEFOLIA, TOXICODENDRON RADICANS, SMILAX ROTUNDIFOLIA, AND ILEX OPACA. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE CELASTRUS ORBICULATUS, LONICERA MAACKII, AND SMILAX ROTUNDIFOLIA.

STAND 13:

FOREST STAND 13 IS LOCATED ON THE WESTERN EDGE OF THE SITE. THIS STAND IS DOMINATED BY PRUNUS SEROTINA. IT IS RIVER BIRCH - SYCAMORE ASSOCIATION AND HAS A MIXED UNDERSTORY OF SMALL TREES AND SHRUBS. THE HERBACEOUS AND WOODY PLANT COVER 0'-3' TALL INCLUDES EUONYMUS FORTUNEI, CELASTRUS ORBICULATUS, PHYTOLACCA AMERICANA, TOXICODENDRON RADICANS, SMILAX ROTUNDIFOLIA, AND AMPELOPSIS BREVIDUNCULATA. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE LONICERA MAACKII, RUBUS PHOENICOLASII, EUONYMUS FORTUNEI, CELASTRUS ORBICULATUS, SMILAX ROTUNDIFOLIA, AND AMPELOPSIS BREVIDUNCULATA.

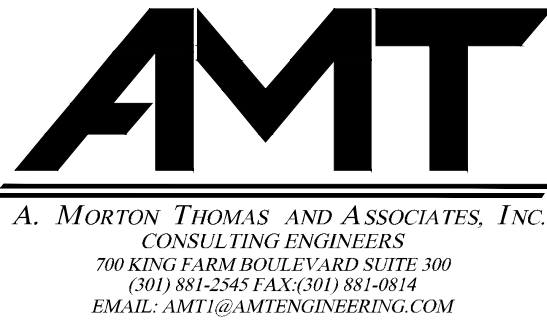


LEGEND



THIS PLAN IS FOR NATURAL RESOURCE INVENTORY/EXISTING CONDITIONS/FOREST STAND DELINEATION PLAN PURPOSES ONLY

**Preliminary**  
07/14/2025 11:25:45 AM



CONSULTANTS

REGISTRATION STAMP



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND. LICENSE NO. 3005, EXPIRATION DATE 12/1/2026.

OWNER

**CITY OF ROCKVILLE  
DEPARTMENT OF RECREATION  
AND PARKS**  
111 MARYLAND AVENUE  
ROCKVILLE, MD 20850

PROJECT TITLE

**REDGATE PARK**  
14500 AVERY ROAD  
ROCKVILLE, MD 20853

REVISIONS

MARK	DATE	DESCRIPTION

AMT FILE NO. 17-1015.002  
DATE: 8/7/2024  
SCALE: AS NOTED  
DESIGNED BY: EMB  
DRAWN BY: EMB  
CHECKED BY: AES

SHEET TITLE

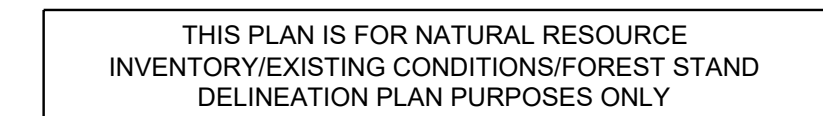
**NATURAL RESOURCE  
INVENTORY/FOREST  
STAND DELINEATION**

SHEET

**LN-101**

SHEET 1 OF 13





MATCHLINE - SEE SHEET LN-104







MATCHLINE - SEE SHEET LN-105

# Preliminary

# Preliminary

07/14/2025 11:26:18 AM

---

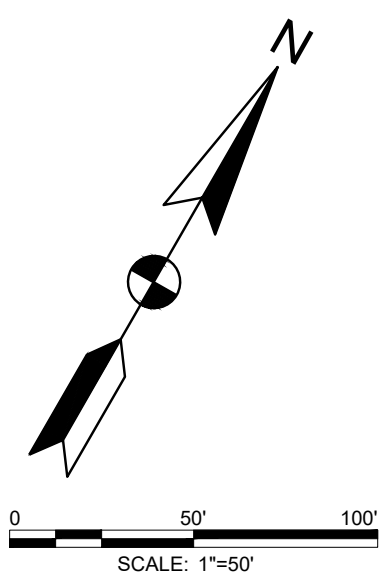
---





**LEGEND**

- PROPERTY LINE (PROJECT AREA)
- PROPERTY LINE (PROPERTIES ADJACENT TO PROJECT AREA)
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING BUILDING
- SOILS TYPE
- SOILS BOUNDARY
- EXISTING WETLAND
- EXISTING STREAM
- STREAM BUFFER
- WETLAND BUFFER
- TREELINE
- CRITICAL ROOT ZONE FOR TREES < 30" DIAMETER AT BREAST HEIGHT
- CRITICAL ROOT ZONE FOR SPECIMEN TREES ≥ 30" DIAMETER AT BREAST HEIGHT
- FOREST STAND SAMPLE PLOT
- 15% TO 25% SLOPES
- 25% SLOPES & GREATER
- NNI AREAS
- PRIORITY FOREST RETENTION AREA



THIS PLAN IS FOR NATURAL RESOURCE INVENTORY/EXISTING CONDITIONS/FOREST STAND DELINEATION PLAN PURPOSES ONLY

**Preliminary**  
07/14/2025 11:26:24 AM



CONSULTANTS

REGISTRATION STAMP



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 3005, EXPIRATION DATE 12/1/2026.

OWNER

**CITY OF ROCKVILLE  
DEPARTMENT OF RECREATION  
AND PARKS**  
111 MARYLAND AVENUE  
ROCKVILLE, MD 20850

PROJECT TITLE

**REDGATE PARK**  
14500 AVERY ROAD  
ROCKVILLE, MD 20853

REVISIONS

MARK	DATE	DESCRIPTION

AMT FILE NO.	17-1015.002
DATE:	8/7/2024
SCALE:	AS NOTED
DESIGNED BY:	EMB
DRAWN BY:	EMB
CHECKED BY:	AES

SHEET TITLE

**NATURAL RESOURCE  
INVENTORY/FOREST  
STAND DELINEATION**

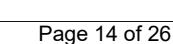
SHEET

**LN-104**

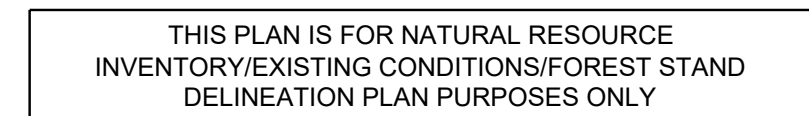








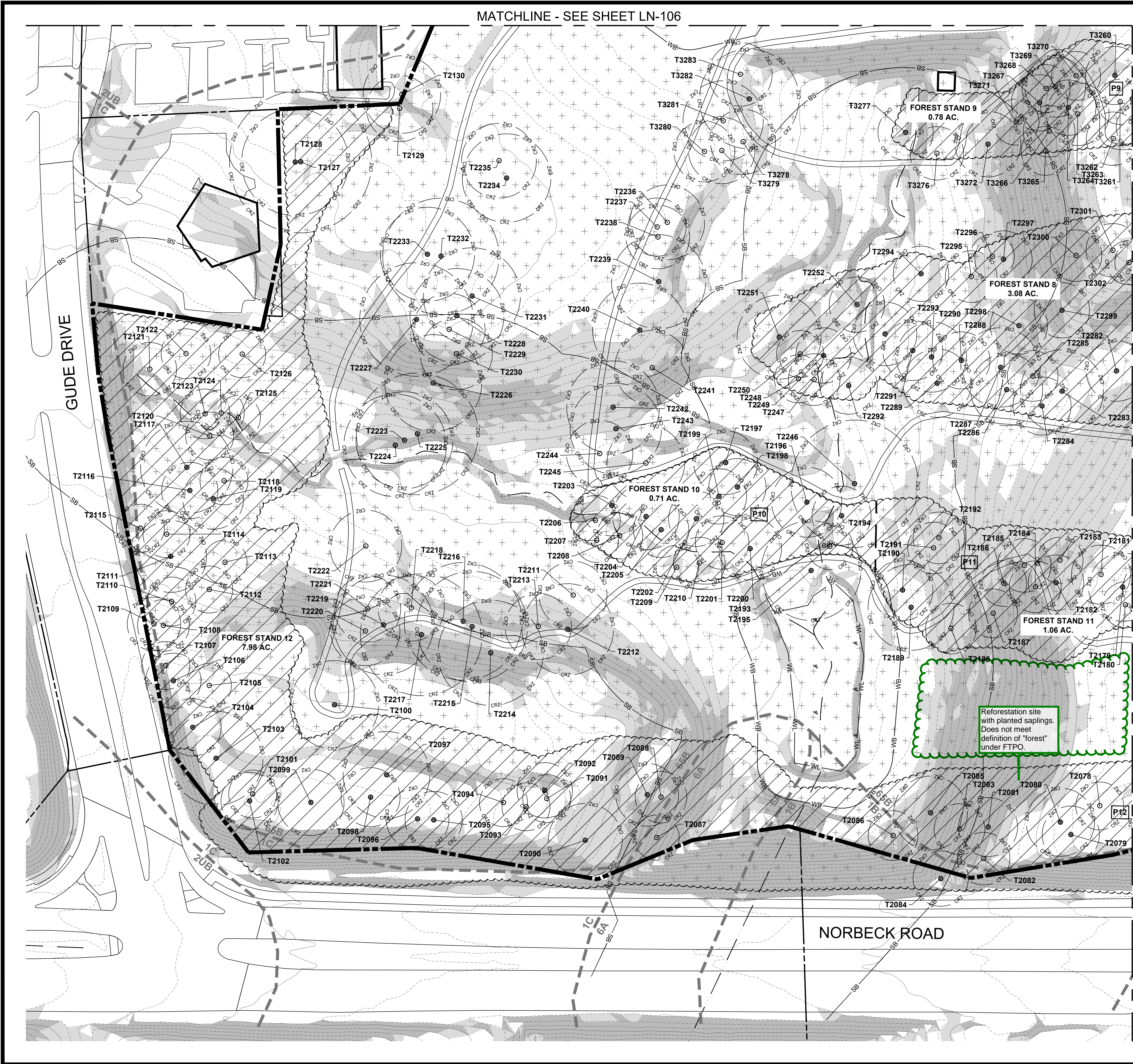




# Preliminary

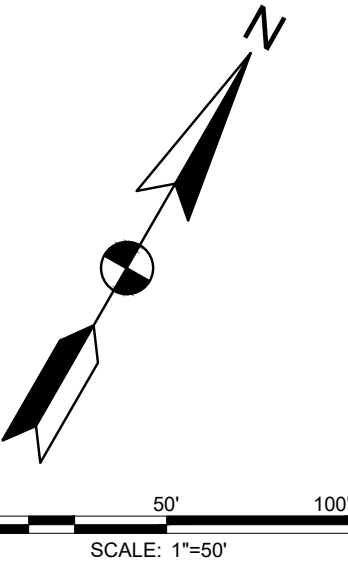






**LEGEND**

- PROPERTY LINE (PROJECT AREA)
- PROPERTY LINE (PROPERTIES ADJACENT TO PROJECT AREA)
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING BUILDING
- SOILS TYPE
- SOILS BOUNDARY
- EXISTING WETLAND
- EXISTING STREAM
- STREAM BUFFER
- WETLAND BUFFER
- TREELINE
- CRITICAL ROOT ZONE FOR TREES < 30" DIAMETER AT BREAST HEIGHT
- CRITICAL ROOT ZONE FOR SPECIMEN TREES ≥ 30" DIAMETER AT BREAST HEIGHT
- FOREST STAND SAMPLE PLOT
- 15% TO 25% SLOPES
- 25% SLOPES & GREATER
- NNI AREAS
- PRIORITY FOREST RETENTION AREA



THIS PLAN IS FOR NATURAL RESOURCE INVENTORY/EXISTING CONDITIONS/FOREST STAND DELINEATION PLAN PURPOSES ONLY

**Preliminary**  
07/14/2025 11:26:46 AM



CONSULTANTS

REGISTRATION STAMP



I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 3005, EXPIRATION DATE 12/1/2026.

OWNER

**CITY OF ROCKVILLE  
DEPARTMENT OF RECREATION  
AND PARKS**  
111 MARYLAND AVENUE  
ROCKVILLE, MD 20850

PROJECT TITLE

**REDGATE PARK**  
14500 AVERY ROAD  
ROCKVILLE, MD 20853

REVISIONS

MARK	DATE	DESCRIPTION

AMT FILE NO. 17-1015.002  
DATE: 8/7/2024  
SCALE: AS NOTED  
DESIGNED BY: EMB  
DRAWN BY: EMB  
CHECKED BY: AES

SHEET TITLE

**NATURAL RESOURCE  
INVENTORY/FOREST  
STAND DELINEATION**

SHEET

**LN-108**

SHEET 8 OF 13







SIGNIFICANT TREE SUMMARY CHART						
NRI/FSO						
#	SCIENTIFIC NAME	COMMON NAME	DBH	Area CRZ	CLIA %	Remarks
COR CLIA %						
FOREST SETTING (NO EXISTING CREDIT) CRZ-1*DBH=1*RADIUS, SIGNIFICANT>= 24*DBH						
<b>T1003</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	31	6,789	91	Some broken limbs, vines on trunk
<b>T1005</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	31	6,789	91	2 trunks (18,10), broken limbs
<b>T1010</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	42	12,463	88	2 trunks (11,26), vines on trunk and in canopy
T1011	<i>Prunus serotina</i>	black cherry	25	4,416	69	Vines on trunk and in canopy, wet spot on trunk, some dead limbs
T1014	<i>Quercus rubra</i>	northern red oak	28	5,539	97	Vines on trunk
<b>T1015</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	37	9,672	88	Leaning, broken limbs
<b>T1016</b>	<b><i>Quercus alba</i></b>	<b>white oak</b>	36	9,156	91	Vines on trunk, broken limbs
T1017	<i>Quercus rubra</i>	northern red oak	24	4,069	94	Wound in trunk, leaking sap
<b>T1018</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	48.5	16,619	38	Almost dead
<b>T1019</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	31	6,789	91	Vines on trunk
<b>T1020</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	30.5	6,572	91	Vines on trunk
T1021	<i>Quercus alba</i>	white oak	26	4,776	88	Broken limbs, wet spot on trunk
T1022	<i>Quercus alba</i>	white oak	25	4,416	94	Broken limbs
T1023	<i>Liriodendron tulipifera</i>	tulip tree	24	4,069	97	Vines on trunk
T1024	<i>Quercus rubra</i>	northern red oak	28	5,539	100	
T1025	<i>Quercus rubra</i>	northern red oak	27	5,539	91	Leaning
T1026	<i>Quercus rubra</i>	northern red oak	24	4,069	94	Broken limbs
<b>T1027</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	34	8,167	84	Vines on trunk, dead limbs
<b>T1028</b>	<b><i>Quercus alba</i></b>	<b>white oak</b>	35	8,655	69	Vines on trunk, broken leader, broken limbs
<b>T1029</b>	<b><i>Quercus alba</i></b>	<b>white oak</b>	36	9,156	88	Vines on trunk, leaning
T1030	<i>Quercus rubra</i>	northern red oak	25	5,343	91	Vines on trunk
<b>T1031</b>	<b><i>Quercus alba</i></b>	<b>white oak</b>	30	6,359	94	Broken limbs
T1032	<i>Quercus alba</i>	white oak	24	4,069	78	Leaning, dead limbs
<b>T1033</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	30.5	6,572	91	Some dead limbs
<b>T1034</b>	<b><i>Quercus alba</i></b>	<b>white oak</b>	33	7,694	91	Some dead limbs
T1035	<i>Quercus alba</i>	white oak	28	5,539	91	Some broken limbs
T1036	<i>Quercus alba</i>	white oak	25	4,416	91	Some broken limbs
T1037	<i>Quercus alba</i>	white oak	24	4,069	91	Broken limbs
T1038	<i>Quercus alba</i>	white oak	25	4,416	84	Vines on trunk, broken limbs
<b>T1039</b>	<b><i>Quercus alba</i></b>	<b>white oak</b>	35	8,655	84	Vines on trunk, broken limbs
T1040	<i>Quercus rubra</i>	northern red oak	27	5,539	88	Vines on trunk, broken limbs
<b>T1041</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	33	7,694	84	Codominant leaders, broken limbs
<b>T1042</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	34	8,167	88	Vines on trunk
T1043	<i>Quercus alba</i>	white oak	25	5,343	88	Wound in trunk
T1044	<i>Quercus montana</i>	chestnut oak	27	5,539	88	Broken limbs, vines on trunk
T1045	<i>Quercus montana</i>	chestnut oak	29	5,942	94	
<b>T1046</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	43	13,063	84	2 trunks (20.5, 20) dead limbs
<b>T1047</b>	<b><i>Quercus alba</i></b>	<b>white oak</b>	30	6,359	94	Vines on trunk, broken limbs
T1048	<i>Quercus alba</i>	white oak	28	5,539	97	Broken limbs
<b>T1049</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	32	7,235	88	Vines on trunk, broken limbs
T1050	<i>Quercus rubra</i>	northern red oak	29	5,942	88	Vines on trunk
<b>T1051</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	31.5	7,010	88	Broken limbs
T1052	<i>Quercus alba</i>	white oak	28	5,539	88	Broken limbs
<b>T1053</b>	<b><i>Quercus alba</i></b>	<b>white oak</b>	35	8,655	88	Vines on trunk, broken limbs
T1054	<i>Quercus alba</i>	white oak	25	4,416	94	Broken limbs
T1055	<i>Quercus alba</i>	white oak	26	4,776	88	Broken limbs
T1056	<i>Quercus alba</i>	white oak	28	5,539	88	Broken limbs
<b>T1057</b>	<b><i>Quercus alba</i></b>	<b>white oak</b>	32.5	7,462	94	Broken limbs
<b>T1058</b>	<b><i>Quercus alba</i></b>	<b>white oak</b>	32	7,235	94	Broken limbs
T1059	<i>Liriodendron tulipifera</i>	tulip tree	28	5,539	94	
<b>T1060</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	30	6,359	88	Broken limbs, vines on trunk
<b>T1061</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	40	11,304	91	Broken limbs
T1062	<i>Liriodendron tulipifera</i>	tulip tree	28	5,539	41	Almost dead
<b>T1063</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	30.5	6,572	75	Leaning, codominant above dbh
T1064	<i>Liriodendron tulipifera</i>	tulip tree	24	4,069	94	Broken limbs
T1065	<i>Liriodendron tulipifera</i>	tulip tree	24.5	4,241	91	Vines on trunk, broken limbs
T1066	<i>Liriodendron tulipifera</i>	tulip tree	29	5,942	81	Large wound at base
T1067	<i>Liriodendron tulipifera</i>	tulip tree	25	4,416	97	
T1068	<i>Liriodendron tulipifera</i>	tulip tree	26	4,776	97	
<b>T1069</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	42	12,463	84	Codominant leaders
T1070	<i>Quercus montana</i>	chestnut oak	29.5	6,148	91	
T1071	<i>Quercus montana</i>	chestnut oak	27.5	5,343	72	
T1072	<i>Quercus rubra</i>	northern red oak	27	5,539	94	
T1073	<i>Quercus rubra</i>	northern red oak	25	4,416	41	Almost dead
<b>T1074</b>	<b><i>Quercus montana</i></b>	<b>chestnut oak</b>	30	6,359	88	Broken limbs
T1075	<i>Quercus rubra</i>	northern red oak	29	5,942	78	Wound at base, broken limbs
<b>T1076</b>	<b><i>Quercus montana</i></b>	<b>chestnut oak</b>	30	6,359	88	2 trunks (16,12)
T1077	<i>Quercus rubra</i>	northern red oak	24	4,069	91	Broken limbs
T1078	<i>Quercus rubra</i>	northern red oak	26	4,776	84	Broken limbs
T1079	<i>Quercus rubra</i>	northern red oak	25	4,416	84	Broken limbs
T1080	<i>Quercus rubra</i>	northern red oak	27	5,539	84	Leaning, broken limbs
T1081	<i>Pinus strobus</i>	eastern white pine	25	4,416	97	
<b>T1082</b>	<b><i>Quercus alba</i></b>	<b>white oak</b>	31	6,789	84	Broken limbs
T1097	<i>Liriodendron tulipifera</i>	tulip tree	24.5	4,241	100	
T1098	<i>Liriodendron tulipifera</i>	tulip tree	29	5,942	91	Codominant above dbh
T1099	<i>Liriodendron tulipifera</i>	tulip tree	26	4,776	84	Wound in base
T1100	<i>Liriodendron tulipifera</i>	tulip tree	27.5	5,343	91	Codominant above dbh
T1104	<i>Acer rubrum</i>	red maple	29.5	6,148	88	Codominant leaders above dbh, fallen tree resting between leaders
<b>T1105</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	34	8,167	94	
<b>T1106</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	30.5	6,572	97	
T1107	<i>Liriodendron tulipifera</i>	tulip tree	28	5,539	94	
T1108	<i>Liriodendron tulipifera</i>	tulip tree	24	4,069	94	Leaning
T1109	<i>Liriodendron tulipifera</i>	tulip tree	24.5	4,241	81	Leaning
T1110	<i>Liriodendron tulipifera</i>	tulip tree	28	5,539	97	
T1111	<i>Liriodendron tulipifera</i>	tulip tree	29	5,942	94	
T1112	<i>Liriodendron tulipifera</i>	tulip tree	26	4,776	100	
<b>T1113</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	30	6,359	88	Stripped bark
<b>T1114</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	31.5	7,010	100	
<b>T1115</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	42	12,463	84	2 trunks (24,15), leaning
<b>T1116</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	26.5	4,961	87	
<b>T1117</b>	<b><i>Acer rubrum</i></b>	<b>red maple</b>	43	13,063	91	5 trunks (13, 22, 12, 5, 2)
T1118	<i>Liriodendron tulipifera</i>	tulip tree	26	4,776	100	
T1119	<i>Liriodendron tulipifera</i>	tulip tree	26	4,776	100	
<b>T1120</b>	<b><i>Quercus alba</i></b>	<b>white oak</b>	34.5	8,409	91	Broken limbs
T1121	<i>Liriodendron tulipifera</i>	tulip tree	24.5	4,241	91	
<b>T1122</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	36	9,156	88	2 trunks (21.5, 11), one trunk is leaning
T1123	<i>Liriodendron tulipifera</i>	tulip tree	24.5	4,241	88	Broken limbs
<b>T1124</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	30	6,359	94	
T1125	<i>Liriodendron tulipifera</i>	tulip tree	24.5	4,241	91	Stripped bark
<b>T1126</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	33.5	7,929	100	
T1127	<i>Liriodendron tulipifera</i>	tulip tree	28.5	5,739	91	
T1128	<i>Liriodendron tulipifera</i>	tulip tree	27.5	5,343	81	Leaning, surface roots
T1129	<i>Liriodendron tulipifera</i>	tulip tree	29	5,942	22	
T1130	<i>Liriodendron tulipifera</i>	tulip tree	27	5,539	78	Trunk has rot, surface roots
T1131	<i>Liriodendron tulipifera</i>	tulip tree	26.5	4,961	56	Canopy mostly dead, crowded root zone
T1136	<i>Liriodendron tulipifera</i>	tulip tree	27	5,539	91	
T1137	<i>Liriodendron tulipifera</i>	tulip tree	26.5	4,961	84	
<b>T1138</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	30.5	6,572	84	Vines on trunk, growing on slope
<b>T1139</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	31	6,789	88	
T1140	<i>Liriodendron tulipifera</i>	tulip tree	29.5	6,148	89	
T1141	<i>Liriodendron tulipifera</i>	tulip tree	24.5	4,241	100	
<b>T1142</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	33	7,694	97	
<b>T1143</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	31	6,789	84	
T1144	<i>Liriodendron tulipifera</i>	tulip tree	26.5	4,961	72	On edge of stream bank
<b>T1145</b>	<b><i>Quercus rubra</i></b>	<b>tulip tree</b>	32	7,235	78	Wound at base, leaning
<b>T1146</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	54	12,602	25	Growing into adjacent tree
<b>T1147</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	37	9,672	88	Very large wounds in trunk, in decline
<b>T1148</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	33	7,694	81	
T1149	<i>Liriodendron tulipifera</i>	tulip tree	27	5,539	88	
<b>T1153</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	33	7,694	81	2 trunks (11,19), one trunk leaning
<b>T1177</b>	<b><i>Quercus rubra</i></b>	<b>tulip tree</b>	34	8,167	81	
<b>T1178</b>	<b><i>Quercus alba</i></b>	<b>white oak</b>	34	8,167	81	Codominant above dbh

<b>T1179</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	32	7235	81	
<b>T1180</b>	<b><i>Quercus alba</i></b>	<b>white oak</b>	32.5	7462	81	
T1181	<i>Quercus alba</i>	white oak	29	5942	88	
T1182	<i>Liriodendron tulipifera</i>	tulip tree	28	5539	81	2 trunks (10,14.5)
T1183	<i>Acer rubrum</i>	red maple	24	4069	78	3 leaders above dbh
<b>T1184</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	41	11876	75	Wound in trunk, codominant above dbh
<b>T1185</b>	<b><i>Quercus montana</i></b>	<b>chestnut oak</b>	38	10202	75	Codominant above dbh, wound in trunk
T1186	<i>Quercus alba</i>	white oak	27.5	5343	81	
<b>T1187</b>	<b><i>Quercus montana</i></b>	<b>chestnut oak</b>	37	9672	59	2 trunks (21, 13), one dead leader, in decline
<b>T1188</b>	<b><i>Quercus montana</i></b>	<b>chestnut oak</b>	32.5	7462	81	Codominant above dbh, growing on slope
<b>T1189</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	30.5	6572	94	
T1190	<i>Quercus montana</i>	chestnut oak	27.5	5343	81	Leaning
T1191	<i>Quercus rubra</i>	northern red oak	27	5150	81	Dead limbs
T1193	<i>Quercus montana</i>	chestnut oak	27	5150	81	Codominant above dbh
T1194	<i>Quercus alba</i>	white oak	29	5942	94	Broken limbs
T1195	<i>Quercus montana</i>	chestnut oak	28.5	5739	81	Fallen tree leaning on trunk
T1196	<i>Quercus montana</i>	chestnut oak	26	4776	81	Leaning
<b>T1197</b>	<b><i>Quercus montana</i></b>	<b>chestnut oak</b>	40	11304	88	2 trunks (5,26)
T1198	<i>Quercus montana</i>	chestnut oak	28.5	5739	81	Leaning
LANDSCAPE SETTING (NO EXISTING CREDIT) CRZ-1*DBH=1.5*RADIUS, SIGNIFICANT>= 12*DBH						
T1083	<i>Pinus glyptostroboides</i>	dawn redwood	25	4416	88	Broken limbs
T1084	<i>Pinus strobus</i>	eastern white pine	24	4069	84	Broken limbs
T1085	<i>Pinus strobus</i>	eastern white pine	27	5150	84	Broken limbs
<b>T1086</b>	<b><i>Pinus strobus</i></b>	<b>eastern white pine</b>	39	10746	75	Codominant leaders, broken limbs
T1087	<i>Pinus strobus</i>	eastern white pine	29	5942	81	Broken limbs
<b>T1088</b>	<b><i>Prunus serotina</i></b>	<b>black cherry</b>	55.5	21762	78	Codominant leaders, wound in base, broken limbs
<b>T1089</b>	<b><i>Prunus serotina</i></b>	<b>black cherry</b>	50	17663	72	2 trunks (30,14), 2 broken leaders, wound in base, broken limbs
<b>T1090</b>	<b><i>Pinus strobus</i></b>	<b>eastern white pine</b>	38	10202	84	Codominant leaders above above dbh, broken limbs
T1091	<i>Pinus strobus</i>	eastern white pine	26	4776	84	Broken limbs
T1092	<i>Pinus strobus</i>	eastern white pine	26.5	4961	84	Broken limbs
T1093	<i>Pinus strobus</i>	eastern white pine	26	4776	84	Broken limbs
T1094	<i>Pinus strobus</i>	eastern white pine	24	4069	84	Broken limbs
T1095	<i>Pinus strobus</i>	eastern white pine	26	4776	84	Broken limbs
T1096	<i>Pinus strobus</i>	eastern white pine	26	4776	84	Broken limbs
OFFSITE CRZ-P/R LOCATION AS ABOVE						
T1001	<i>Quercus rubra</i>	northern red oak	25.5	4594	94	Some broken limbs
<b>T1002</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	32	7235	94	Some broken limbs
T1004	<i>Robinia pseudacacia</i>	black locust	24	4069	88	Large wound in base, broken limbs
<b>T1006</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	37	9672	91	Trunk leaning, broken limbs
T1007	<i>Liriodendron tulipifera</i>	tulip tree	27.5	5343	91	Codominant leaders above dbh, broken limbs
<b>T1008</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	57.5	23359	84	Codominant leaders, vines on trunk
T1009	<i>Quercus alba</i>	white oak	29	5539	88	Vines on trunk and in canopy
T1012	<i>Acer rubrum</i>	red maple	24	4069	91	Barbed wire on trunk, leaning
<b>T1013</b>	<b><i>Quercus rubra</i></b>	<b>northern red oak</b>	38	10202	97	Vines on trunk
T1101	<i>Acer rubrum</i>	red maple	26	4776	84	Codominant above dbh
T1102	<i>Liriodendron tulipifera</i>	tulip tree	28	5539	81	Roots and base growing into adjacent tree
T1103	<i>Quercus rubra</i>	northern red oak	26	4776	81	
T1112	<i>Liriodendron tulipifera</i>	tulip tree	27.5	5343	84	Crowded root zone, dented canopy
<b>T1133</b>	<b><i>Quercus montana</i></b>	<b>chestnut oak</b>	35.5	8904	78	Leaning, growing on slope
<b>T1134</b>	<b><i>Quercus montana</i></b>	<b>chestnut oak</b>	30	6359	75	Leaning, growing on slope
<b>T1135</b>	<b><i>Quercus montana</i></b>	<b>chestnut oak</b>	39	10746	78	Large wound in trunk, growing on slope
T1150	<i>Quercus rubra</i>	northern red oak	28.5	5739	88	
T1151	<i>Quercus montana</i>	chestnut oak	27	5150	69	Roots crowded by boulders, wounds in trunk
<b>T1152</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	27	5150	94	Leaning
<b>T1154</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	35	8655	50	2 trunks (20.5, 11), one dead leader, in decline
T1155	<i>Quercus alba</i>	white oak	26.5	4961	94	
<b>T1156</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	38	10202	75	2 trunks (12.5, 13.5), 2 broken leaders
T1157	<i>Liriodendron tulipifera</i>	tulip tree	28	5539	78	2 trunks (13,13)
<b>T1158</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	30	6359	69	2 trunks (13,15.5), 1 dead trunk
<b>T1159</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	30	6359	75	2 trunks (11, 17), wound in base
T1160	<i>Liriodendron tulipifera</i>	tulip tree	25	4416	53	2 trunks (12,12) large wound in trunk
<b>T1161</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	30	6359	81	2 trunks (13.5, 15)
T1162	<i>Liriodendron tulipifera</i>	tulip tree	27	5150	81	2 trunks (13,12)
<b>T1163</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	32	7235	75	
<b>T1164</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	34	8167	75	
<b>T1165</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	32	7235	59	4 trunks (14, 4, 14.5, 6), 1 dead trunk
T1166	<i>Liriodendron tulipifera</i>	tulip tree	26.5	4961	75	Large wound in trunk
T1167	<i>Liriodendron tulipifera</i>	tulip tree	29	5942	75	On edge of stream bank
<b>T1168</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	33	7694	75	On edge of stream bank
T1169	<i>Liriodendron tulipifera</i>	tulip tree	27	5150	78	Wound in trunk
<b>T1170</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	30.5	6572	38	Leaning, in decline
<b>T1171</b>	<b><i>Liriodendron tulipifera</i></b>	<b>tulip tree</b>	33	7694	75	On edge of stream bank
T1172	<i>Liriodendron tulipifera</i>	tulip tree	29.5	6148	94	
T1173	<i>Liriodendron tulipifera</i>	tulip tree	27	5150	88	
T1174	<i>Liriodendron tulipifera</i>	tulip tree	27.5	5343	75	Growing on edge of stream bank
T1175	<i>Liriodendron tulipifera</i>	tulip tree	27	5150	88	
T1176	<i>Quercus alba</i>	white oak	27	5150	69	Growing on edge of stream bank, leaning
<b>T1192</b>	<b><i>Quercus montana</i></b>	<b>chestnut oak</b>	31	6789	81	Leaning, dead limbs



ATTACHMENT A

T2185	<i>Quercus rubra</i>	northern red oak	29	5942	78	Broken limbs, vines on trunk, wound in trunk
T2186	<i>Quercus rubra</i>	northern red oak	25	4436	81	Broken limbs, vines on trunk
T2187	<i>Quercus palustris</i>	pin oak	26.5	4953	81	Girdled roots, broken limbs
T2188	<i>Fagus grandifolia</i>	American beech	27.5	5343	88	Surface roots
T2189	<i>Liriodendron tulipifera</i>	tulip tree	46.5	15276	81	Codominant above dbh
T2190	<i>Quercus palustris</i>	pin oak	33	7694	66	Vines on trunk and in canopy, wound in trunk, broken on limbs
T2191	<i>Quercus alba</i>	white oak	28	5539	81	Broken limbs, vines on trunk
T2192	<i>Quercus alba</i>	white oak	28	5539	56	Broken limbs, vines on trunk
T2193	<i>Fagus grandifolia</i>	American beech	25	4436	75	Broken limbs, vines on trunk
T2194	<i>Liriodendron tulipifera</i>	tulip tree	32	7235	72	Broken limbs, vines on trunk
T2196	<i>Liriodendron tulipifera</i>	tulip tree	38	10202	59	2 trunks (13, 22), wound in base, vines on trunk and in canopy
T2197	<i>Acer rubrum</i>	red maple	34.5	8409	25	Fungus on trunk, wound in trunk, in decline
T2198	<i>Acer rubrum</i>	red maple	31	6789	81	Vines on trunk
T2199	<i>Acer rubrum</i>	red maple	30	6359	81	Vines on trunk, wound in trunk
T2201	<i>Acer rubrum</i>	red maple	34	8167	81	Vines on trunk, wound in trunk
T2202	<i>Liriodendron tulipifera</i>	tulip tree	29	5942	81	Vines on trunk, broken limbs
T2202	<i>Liriodendron tulipifera</i>	tulip tree	30	6359	72	Vines on trunk, dead limbs
T2203	<i>Liriodendron tulipifera</i>	tulip tree	33	7694	72	Vines on trunk, broken limbs
T2204	<i>Liriodendron tulipifera</i>	tulip tree	36	9156	81	Vines on trunk, broken limbs
T2205	<i>Acer rubrum</i>	red maple	30	6359	66	Leaning, vines on trunk, wound in trunk, broken limbs
T2206	<i>Quercus alba</i>	white oak	27	5150	81	Broken limbs
T2207	<i>Liriodendron tulipifera</i>	tulip tree	24	4069	81	Broken limbs
T2208	<i>Liriodendron tulipifera</i>	tulip tree	25	4416	94	
T2209	<i>Liriodendron tulipifera</i>	tulip tree	24	4069	66	Vines on trunk and in canopy
T2210	<i>Liriodendron tulipifera</i>	tulip tree	28	5539	66	Codominant above dbh, vines on trunk and in canopy
T2247	<i>Liriodendron tulipifera</i>	tulip tree	28	5539	69	Vines on trunk, broken limbs
T2248	<i>Liriodendron tulipifera</i>	tulip tree	26	4776	81	Vines on trunk
T2249	<i>Liriodendron tulipifera</i>	tulip tree	30	6359	81	Vines on trunk
T2250	<i>Liriodendron tulipifera</i>	tulip tree	25.5	4594	81	Wound in trunk
T2251	<i>Liriodendron tulipifera</i>	tulip tree	45.5	14626	78	Broken limbs
T2252	<i>Acer rubrum</i>	red maple	30	6359	75	Wound in base
T2253	<i>Quercus rubra</i>	northern red oak	29	5942	78	Compacted root zone, dead limbs, fungus on trunk
T2254	<i>Quercus rubra</i>	northern red oak	34	8167	66	Compacted root zone, dead limbs, fungus on trunk, wound in trunk
T2255	<i>Quercus rubra</i>	northern red oak	30.5	6572	81	Compacted root zone, dead limbs, fungus on trunk
T2256	<i>Quercus rubra</i>	northern red oak	35	8655	81	Compacted root zone, dead limbs, fungus on trunk
T2257	<i>Quercus rubra</i>	northern red oak	35.5	8904	72	Compacted root zone, dead limbs, fungus on trunk
T2258	<i>Quercus rubra</i>	northern red oak	27	5150	72	Compacted root zone, dead limbs, fungus on trunk
T2259	<i>Quercus alba</i>	white oak	31.5	7010	72	Compacted root zone, dead limbs, fungus on trunk, vines on trunk
T2260	<i>Quercus alba</i>	white oak	29.5	4594	72	Compacted root zone, dead limbs, fungus on trunk, vines on trunk
T2261	<i>Quercus alba</i>	northern red oak	26	4776	72	Compacted root zone, dead limbs, fungus on trunk, vines on trunk
T2262	<i>Quercus alba</i>	white oak	30	6359	81	Compacted root zone, dead limbs, fungus on trunk, bird house attached to trunk
T2263	<i>Quercus rubra</i>	northern red oak	40	11304	75	Compacted root zone, dead limbs, fungus on trunk, vines on trunk and in canopy
T2264	<i>Quercus alba</i>	white oak	24	4069	72	Compacted root zone, dead limbs, fungus on trunk, leaning
T2265	<i>Quercus alba</i>	white oak	29	5942	78	Vines on trunk, dead limbs
T2266	<i>Quercus alba</i>	white oak	30	6359	78	Vines on trunk, dead limbs
T2267	<i>Quercus alba</i>	white oak	24	4069	78	Dead limbs
T2268	<i>Quercus alba</i>	white oak	33.5	7929	78	Dead limbs, fungus on trunk, bird house attached to trunk
T2269	<i>Quercus rubra</i>	northern red oak	31	6789	78	Dead limbs, vines on trunk
T2270	<i>Quercus rubra</i>	northern red oak	34	8167	81	Broken limbs, vines on trunk, broken limbs
T2271	<i>Quercus alba</i>	white oak	27	5150	72	Vines on trunk, broken limbs
T2272	<i>Quercus alba</i>	white oak	24.5	4241	72	Leaning, dead limbs
T2273	<i>Quercus palustris</i>	pin oak	31.5	7010	72	Broken limbs, girdled roots
T2274	<i>Quercus palustris</i>	pin oak	29.5	6148	81	Vines on trunk, broken limbs
T2275	<i>Quercus montana</i>	chestnut oak	31	6789	88	Broken limbs
T2276	<i>Quercus palustris</i>	pin oak	25	4416	69	Leaning, vines on trunk, broken limbs
T2277	<i>Quercus rubra</i>	northern red oak	42	12463	81	Broken limbs
T2278	<i>Quercus alba</i>	white oak	33	7694	81	Vines on trunk, broken limbs
T2279	<i>Quercus alba</i>	white oak	25	4416	81	Vines on trunk, broken limbs
T2280	<i>Quercus alba</i>	white oak	50.5	18018	78	Vines on trunk, codominant above dbh, broken limbs
T2281	<i>Quercus rubra</i>	northern red oak	24.5	4241	78	Broken limbs, vines on trunk, epicormic growth
T2282	<i>Quercus alba</i>	white oak	33	7694	81	Broken limbs, stripped bark
T2283	<i>Liriodendron tulipifera</i>	tulip tree	45	14307	81	Wound in trunk
T2284	<i>Quercus alba</i>	white oak	31.5	7010	75	Vines on trunk, wound in trunk, broken limbs
T2285	<i>Fagus grandifolia</i>	American beech	27.5	5343	81	Surface roots, carving in trunk, broken limbs
T2286	<i>Liriodendron tulipifera</i>	tulip tree	39	10746	78	Vines on trunk and in canopy
T2287	<i>Liriodendron tulipifera</i>	tulip tree	43	13063	88	Broken limbs
T2288	<i>Liriodendron tulipifera</i>	tulip tree	31	6789	88	Surface roots
T2289	<i>Liriodendron tulipifera</i>	tulip tree	37	9672	81	Vines on trunk
T2290	<i>Quercus palustris</i>	pin oak	38	10202	81	Vines on trunk
T2291	<i>Liriodendron tulipifera</i>	tulip tree	32.5	7462	75	Large wound in trunk
T2292	<i>Liriodendron tulipifera</i>	tulip tree	31	6789	75	Poor form
T2293	<i>Liriodendron tulipifera</i>	tulip tree	34.5	8409	75	Wound in base
T2294	<i>Liriodendron tulipifera</i>	tulip tree	30	6359	81	Vines on trunk
T2295	<i>Liriodendron tulipifera</i>	tulip tree	28	5539	72	Vines on trunk, dead limbs, fallen tree on base
T2296	<i>Quercus alba</i>	white oak	24	4069	78	Vines on trunk, broken limbs
T2297	<i>Quercus rubra</i>	northern red oak	31	6789	78	Vines on trunk, broken limbs
T2298	<i>Quercus alba</i>	white oak	31	6789	81	Leaning, broken limbs
T2299	<i>Quercus alba</i>	white oak	30	6359	78	Growing on slope, surface roots
T2300	<i>Liriodendron tulipifera</i>	tulip tree	28	5539	75	Crowded by adjacent tree, vines on trunk
T3001	<i>Quercus alba</i>	white oak	29	5942	81	Broken limbs
T3002	<i>Quercus alba</i>	white oak	24	4069	81	Broken limbs
T3003	<i>Quercus alba</i>	white oak	26	4776	81	Broken limbs
T3004	<i>Quercus alba</i>	white oak	36	9156	81	Vines on trunk, dead limbs
T3005	<i>Quercus rubra</i>	northern red oak	29	5942	78	Broken limbs, vines on trunk
T3006	<i>Quercus palustris</i>	pin oak	32	7235	81	Broken limbs
T3007	<i>Quercus rubra</i>	northern red oak	41	11876	81	Broken limbs
T3008	<i>Quercus rubra</i>	northern red oak	30	6359	94	Broken limbs
T3009	<i>Quercus rubra</i>	northern red oak	38	10202	78	Broken limbs
T3010	<i>Quercus rubra</i>	northern red oak	29	5942	75	Broken limbs
T3011	<i>Quercus rubra</i>	northern red oak	25	4416	88	Broken limbs
T3012	<i>Liriodendron tulipifera</i>	tulip tree	27	5150	94	Broken limbs
T3013	<i>Quercus rubra</i>	northern red oak	29.5	6148	88	Broken limbs
T3014	<i>Quercus rubra</i>	northern red oak	24	4069	84	Broken limbs
T3015	<i>Quercus alba</i>	white oak	37	9672	78	Broken limbs
T3016	<i>Acer rubrum</i>	red maple	38	10202	75	Broken limbs
T3017	<i>Quercus rubra</i>	northern red oak	31	6789	75	Broken limbs
T3018	<i>Quercus rubra</i>	northern red oak	36	9156	78	Broken limbs
T3019	<i>Liriodendron tulipifera</i>	tulip tree	28	5539	81	Broken limbs
T3020	<i>Liriodendron tulipifera</i>	tulip tree	30	6359	78	Broken limbs
T3021	<i>Liriodendron tulipifera</i>	tulip tree	26	4776	78	Broken limbs
T3022	<i>Acer rubrum</i>	red maple	44	8409	59	Broken limbs
T3023	<i>Quercus montana</i>	chestnut oak	39.5	11023	81	Broken limbs
T3024	<i>Quercus montana</i>	chestnut oak	27	5150	78	Broken limbs
T3025	<i>Liriodendron tulipifera</i>	tulip tree	32	7235	75	Broken limbs
T3026	<i>Liriodendron tulipifera</i>	tulip tree	26	4776	75	Broken limbs
T3027	<i>Liriodendron tulipifera</i>	tulip tree	30	6359	53	Broken limbs
T3028	<i>Liriodendron tulipifera</i>	tulip tree	45	14307	81	Broken limbs
T3029	<i>Quercus rubra</i>	northern red oak	30	6359	81	Broken limbs
T3030	<i>Quercus rubra</i>	northern red oak	32	7235	81	Broken limbs
T3031	<i>Quercus rubra</i>	northern red oak	30	6359	81	Broken limbs
T3032	<i>Pinus strobus</i>	eastern white pine	28	5539	88	Broken limbs

OFFSITE CRZ PER LOCATION AS ABOVE					
T2000	<i>Quercus rubra</i>	northern red oak	31	6789	72
T2001	<i>Quercus rubra</i>	northern red oak	27	5150	94
T2005	<i>Quercus palustris</i>	pin oak	31	6789	88
T2006	<i>Quercus montana</i>	chestnut oak	25	4416	91
T2007	<i>Quercus alba</i>	white oak	32	7235	91
T2009	<i>Quercus rubra</i>	northern red oak	41	11876	81
T2010	<i>Liriodendron tulipifera</i>	tulip tree	30	6359	94
T2013	<i>Liriodendron tulipifera</i>	tulip tree	38	10202	78
T2024	<i>Liriodendron tulipifera</i>	tulip tree	29	5942	75
T2027	<i>Liriodendron tulipifera</i>	tulip tree	25	4416	88
T2028	<i>Liriodendron tulipifera</i>	tulip tree	27	5150	94
T2029	<i>Quercus rubra</i>	northern red oak	29.5	6148	88
T2030	<i>Quercus rubra</i>	northern red oak	24	4069	84
T2031	<i>Quercus alba</i>	white oak	37	9672	78
T2032	<i>Acer rubrum</i>	red maple	38	10202	75
T2033	<i>Liriodendron tulipifera</i>	tulip tree	31	6789	75
T2034	<i>Quercus rubra</i>	northern red oak	36	9156	78
T2049	<i>Liriodendron tulipifera</i>	tulip tree	28	5539	81
T2053	<i>Liriodendron tulipifera</i>	tulip tree	30	6359	78
T2054	<i>Quercus rubra</i>	northern red oak	26	4776	78
T2055	<i>Acer rubrum</i>	red maple	44	8409	59
T2056	<i>Quercus montana</i>	chestnut oak	39.5	11023	81
T2060	<i>Liriodendron tulipifera</i>	tulip tree	27	5150	78
T2061	<i>Liriodendron tulipifera</i>	tulip tree	32	7235	75
T2062	<i>Liriodendron tulipifera</i>	tulip tree	26	4776	75
T2063	<i>Liriodendron tulipifera</i>	tulip tree	30	6359	53
T2069	<i>Liriodendron tulipifera</i>	tulip tree	45	14307	81
T2070	<i>Liriodendron tulipifera</i>	tulip tree	30	6359	81
T2072	<i>Quercus rubra</i>	northern red oak	32	7235	81
T2084	<i>Liriodendron tulipifera</i>	tulip tree	30	6359	81
T2130	<i>Pinus strobus</i>	eastern white pine	28	5539	88

SIGNIFICANT TREE SUMMARY CHART					
NRI/PSD					
#	SCIENTIFIC NAME	COMMON NAME	DBH	Area CRZ	Remarks
				CTLA %	
				COL CTLA %	

FOREST SETTING (NO EXISTING CREDIT) CRZ 1"DBH=1.5"RADIUS, SIGNIFICANT>=12"DBH					
T3051	<i>Picea abies</i>	Norway spruce	14	1385	95
T3243	<i>Quercus alba</i>	white oak	26	4776	97
T3244	<i>Quercus alba</i>	white oak	24.5	4241	97
T3245	<i>Acer rubrum</i>	red maple	24	4069	84
T3247	<i>Quercus rubra</i>	northern red oak	16	1809	88
T3248	<i>Quercus alba</i>	white oak	14	1385	94
T3249	<i>Acer rubrum</i>	northern red oak	16	1809	84
T3250	<i>Acer rubrum</i>	northern red oak	28	5539	97
T3252	<i>Acer rubrum</i>	red maple	18.5	2418	88
T3253	<i>Acer rubrum</i>	red maple	17	2042	78
T3255	<i>Quercus rubra</i>	northern red oak	32.5	7462	88
T3257	<i>Quercus alba</i>	white oak	23	3737	91
T3258	<i>Quercus montana</i>	chestnut oak	26	4776	91
T3259	<i>Quercus alba</i>	white oak	24	4069	91
T3260	<i>Quercus montana</i>	chestnut oak	31.5	7010	91
T3261	<i>Quercus montana</i>	chestnut oak	24.5	4241	91
T3262	<i>Quercus alba</i>	white oak	29	5942	91
T3263	<i>Quercus montana</i>	chestnut oak	34	8167	94
T3264	<i>Quercus montana</i>	chestnut oak	30	6359	97
T3265	<i>Quercus montana</i>	chestnut oak	26.5	4961	94
T3266	<i>Quercus montana</i>	chestnut oak	28	5539	97
T3267	<i>Quercus montana</i>	chestnut oak	30.5	6572	100
T3268	<i>Quercus montana</i>	chestnut oak	26	4776	98
T3269	<i>Quercus montana</i>	chestnut oak	33	7694	75
T3270	<i>Quercus montana</i>	chestnut oak	26.5	4961	81
T3271	<i>Quercus montana</i>	chestnut oak	25	4416	97
T3272	<i>Acer rubrum</i>	red maple	35.5	8904	91
T3276	<i>Quercus rubra</i>	northern red oak	29	5942	84
T3277	<i>Liriodendron tulipifera</i>	tulip tree	30	6359	97
T3344	<i>Pinus strobus</i>	black cherry	24	4069	94
T3346	<i>Prunus serotina</i>	black cherry	14	1385	63
T3347	<i>Juglans nigra</i>	black walnut	17	2042	75
T3351	<i>Acer rubrum</i>	red maple	20	2826	69
T3352	<i>Acer rubrum</i>	red maple	24	4069	84
T3353	<i>Platanus occidentalis</i>	American sycamore	30	6359	91
T3357	<i>Quercus rubra</i>	northern red oak	33	7694	97
T3359	<i>Liriodendron tulipifera</i>	tulip tree	24.5	4241	66



<div><div><div><div><div>T3193</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>34</div><div>8167</div><div>91</div></div></div><div><div><div>T3194</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>22</div><div>3419</div><div>86</div></div></div><div><div><div>T3195</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>34</div><div>8167</div><div>78</div></div></div><div><div><div>T3196</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>22.5</div><div>3577</div><div>78</div></div></div><div><div><div>T3197</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>18.5</div><div>2418</div><div>63</div></div></div><div><div><div>T3198</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>21</div><div>3116</div><div>75</div></div></div><div><div><div>T3199</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>18.5</div><div>2418</div><div>72</div></div></div><div><div><div>T3200</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>22</div><div>3419</div><div>69</div></div></div><div><div><div>T3201</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>21</div><div>3116</div><div>72</div></div></div><div><div><div>T3202</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>32</div><div>7235</div><div>91</div></div></div><div><div><div>T3203</div><div>Molus sap</div></div><div><div>crab apple</div><div>15</div><div>1590</div><div>91</div></div></div><div><div><div>T3204</div><div>Prunus x yedoensis</div></div><div><div>Yoshino cherry</div><div>25</div><div>4416</div><div>78</div></div></div><div><div><div>T3205</div><div>Prunus x yedoensis</div></div><div><div>Yoshino cherry</div><div>12</div><div>1017</div><div>75</div></div></div><div><div><div>T3206</div><div>Prunus x yedoensis</div></div><div><div>Yoshino cherry</div><div>17</div><div>2042</div><div>84</div></div></div><div><div><div>T3207</div><div>Prunus x yedoensis</div></div><div><div>Yoshino cherry</div><div>26</div><div>4776</div><div>78</div></div></div><div><div><div>T3208</div><div>Prunus x yedoensis</div></div><div><div>Yoshino cherry</div><div>17</div><div>2042</div><div>84</div></div></div><div><div><div>T3209</div><div>Prunus x yedoensis</div></div><div><div>Yoshino cherry</div><div>21</div><div>3116</div><div>78</div></div></div><div><div><div>T3210</div><div>Prunus x yedoensis</div></div><div><div>Yoshino cherry</div><div>22</div><div>3419</div><div>78</div></div></div><div><div><div>T3211</div><div>Prunus x yedoensis</div></div><div><div>Yoshino cherry</div><div>21</div><div>3116</div><div>75</div></div></div><div><div><div>T3212</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>35.5</div><div>8904</div><div>88</div></div></div><div><div><div>T3213</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>17</div><div>2042</div><div>88</div></div></div><div><div><div>T3214</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>10</div><div>6359</div><div>88</div></div></div><div><div><div>T3215</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>17</div><div>2042</div><div>56</div></div></div><div><div><div>T3216</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>29</div><div>5942</div><div>72</div></div></div><div><div><div>T3217</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>33.5</div><div>7929</div><div>84</div></div></div><div><div><div>T3218</div><div>Picea abies</div></div><div><div>Norway spruce</div><div>16.5</div><div>1923</div><div>84</div></div></div><div><div><div>T3219</div><div>Picea abies</div></div><div><div>Norway spruce</div><div>18</div><div>2289</div><div>94</div></div></div><div><div><div>T3220</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>31.5</div><div>7010</div><div>88</div></div></div><div><div><div>T3221</div><div>Pyrus calleryana</div></div><div><div>Callery pear</div><div>21.5</div><div>3266</div><div>84</div></div></div><div><div><div>T3222</div><div>Pyrus calleryana</div></div><div><div>Callery pear</div><div>17</div><div>2042</div><div>81</div></div></div><div><div><div>T3223</div><div>Picea abies</div></div><div><div>Norway spruce</div><div>23</div><div>3737</div><div>94</div></div></div><div><div><div>T3224</div><div>Picea abies</div></div><div><div>Norway spruce</div><div>27.5</div><div>5343</div><div>88</div></div></div><div><div><div>T3225</div><div>Picea abies</div></div><div><div>Norway spruce</div><div>25</div><div>4416</div><div>94</div></div></div><div><div><div>T3226</div><div>Salix alba</div></div><div><div>white willow</div><div>32</div><div>7235</div><div>91</div></div></div><div><div><div>T3227</div><div>Picea pungens</div></div><div><div>blue spruce</div><div>17</div><div>2042</div><div>91</div></div></div><div><div><div>T3228</div><div>Pyrus calleryana</div></div><div><div>Callery pear</div><div>19.5</div><div>2686</div><div>84</div></div></div><div><div><div>T3229</div><div>Picea abies</div></div><div><div>Norway spruce</div><div>22</div><div>3419</div><div>97</div></div></div><div><div><div>T3230</div><div>Picea abies</div></div><div><div>Norway spruce</div><div>24</div><div>4069</div><div>94</div></div></div><div><div><div>T3231</div><div>Pyrus calleryana</div></div><div><div>Callery pear</div><div>15.5</div><div>1697</div><div>84</div></div></div><div><div><div>T3232</div><div>Picea abies</div></div><div><div>Norway spruce</div><div>23</div><div>3737</div><div>94</div></div></div><div><div><div>T3234</div><div>Picea pungens</div></div><div><div>blue spruce</div><div>16.5</div><div>1923</div><div>91</div></div></div><div><div><div>T3235</div><div>Picea abies</div></div><div><div>Norway spruce</div><div>32</div><div>7235</div><div>94</div></div></div><div><div><div>T3236</div><div>Picea abies</div></div><div><div>Norway spruce</div><div>35</div><div>8655</div><div>91</div></div></div><div><div><div>T3237</div><div>Picea abies</div></div><div><div>Norway spruce</div><div>18</div><div>2289</div><div>91</div></div></div><div><div><div>T3238</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>28</div><div>5539</div><div>91</div></div></div><div><div><div>T3239</div><div>Picea abies</div></div><div><div>Norway spruce</div><div>19</div><div>2550</div><div>91</div></div></div><div><div><div>T3240</div><div>Picea abies</div></div><div><div>Norway spruce</div><div>21</div><div>3116</div><div>100</div></div></div><div><div><div>T3241</div><div>Quercus rubra</div></div><div><div>northern red oak</div><div>32</div><div>7235</div><div>96</div></div></div><div><div><div>T3242</div><div>Quercus alba</div></div><div><div>white oak</div><div>30</div><div>6359</div><div>97</div></div></div><div><div><div>T3273</div><div>Pseudotsuga menziesii</div></div><div><div>Douglas fir</div><div>32.5</div><div>7462</div><div>91</div></div></div><div><div><div>T3274</div><div>Pseudotsuga menziesii</div></div><div><div>Douglas fir</div><div>12</div><div>1017</div><div>69</div></div></div><div><div><div>T3275</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>24</div><div>4069</div><div>84</div></div></div><div><div><div>T3278</div><div>Acer platanoides</div></div><div><div>Norway maple</div><div>23.5</div><div>5902</div><div>94</div></div></div><div><div><div>T3279</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>24</div><div>4069</div><div>97</div></div></div><div><div><div>T3280</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>22</div><div>3419</div><div>84</div></div></div><div><div><div>T3281</div><div>Salix alba</div></div><div><div>white willow</div><div>29</div><div>5942</div><div>81</div></div></div><div><div><div>T3282</div><div>Salix alba</div></div><div><div>white willow</div><div>36</div><div>9156</div><div>63</div></div></div><div><div><div>T3283</div><div>Pyrus calleryana</div></div><div><div>Callery pear</div><div>23</div><div>3737</div><div>91</div></div></div><div><div><div>T3284</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>42</div><div>12463</div><div>91</div></div></div><div><div><div>T3285</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>32.5</div><div>7462</div><div>94</div></div></div><div><div><div>T3286</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>38</div><div>10102</div><div>81</div></div></div><div><div><div>T3287</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>29.5</div><div>6148</div><div>84</div></div></div><div><div><div>T3288</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>37</div><div>9672</div><div>63</div></div></div><div><div><div>T3289</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>33</div><div>7694</div><div>81</div></div></div><div><div><div>T3290</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>26</div><div>4776</div><div>84</div></div></div><div><div><div>T3291</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>30.5</div><div>6572</div><div>94</div></div></div><div><div><div>T3292</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>29.5</div><div>6148</div><div>91</div></div></div><div><div><div>T3293</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>23</div><div>3737</div><div>97</div></div></div><div><div><div>T3294</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>29</div><div>5942</div><div>88</div></div></div><div><div><div>T3295</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>26</div><div>4776</div><div>91</div></div></div><div><div><div>T3296</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>30</div><div>6359</div><div>56</div></div></div><div><div><div>T3297</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>26</div><div>4776</div><div>84</div></div></div><div><div><div>T3313</div><div>Morus alba</div></div><div><div>white mulberry</div><div>20</div><div>2826</div><div>63</div></div></div><div><div><div>T3321</div><div>Robinia pseudoacacia</div></div><div><div>black locust</div><div>20</div><div>2826</div><div>69</div></div></div><div><div><div>T3322</div><div>Prunus serotina</div></div><div><div>black cherry</div><div>16</div><div>1809</div><div>47</div></div></div><div><div><div>T3324</div><div>Pyrus calleryana</div></div><div><div>Callery pear</div><div>14</div><div>1385</div><div>63</div></div></div><div><div><div>T3325</div><div>Pyrus calleryana</div></div><div><div>Callery pear</div><div>18</div><div>2289</div><div>81</div></div></div><div><div><div>T3329</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>16</div><div>1809</div><div>72</div></div></div><div><div><div>T3330</div><div>Juniperus virginiana</div></div><div><div>eastern redcedar</div><div>18</div><div>2289</div><div>75</div></div></div><div><div><div>T3331</div><div>Salix alba</div></div><div><div>white willow</div><div>24</div><div>4069</div><div>81</div></div></div><div><div><div>T3335</div><div>Juglans nigra</div></div><div><div>black walnut</div><div>14</div><div>1385</div><div>78</div></div></div><div><div><div>T3338</div><div>Juglans nigra</div></div><div><div>black walnut</div><div>18</div><div>2289</div><div>75</div></div></div><div><div><div>T3334</div><div>Platanus occidentalis</div></div><div><div>American sycamore</div><div>13</div><div>1194</div><div>75</div></div></div><div><div><div>T3355</div><div>Platanus occidentalis</div></div><div><div>American sycamore</div><div>15</div><div>1590</div><div>84</div></div></div><div><div><div>T3363</div><div>Cedrus deodora</div></div><div><div>deodar cedar</div><div>24</div><div>4069</div><div>94</div></div></div><div><div><div>T3363</div><div>Cedrus deodora</div></div><div><div>deodar cedar</div><div>25</div><div>4416</div><div>97</div></div></div><div><div><div>T3371</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>15</div><div>1590</div><div>81</div></div></div><div><div><div>T3372</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>21.5</div><div>3266</div><div>94</div></div></div><div><div><div>T3373</div><div>Acer platanoides</div></div><div><div>Norway maple</div><div>20.5</div><div>2969</div><div>91</div></div></div><div><div><div>T3374</div><div>Acer platanoides</div></div><div><div>Norway maple</div><div>22</div><div>3419</div><div>100</div></div></div><div><div><div>T3375</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>23</div><div>3737</div><div>97</div></div></div><div><div><div>T3376</div><div>Quercus coccinea</div></div><div><div>scarlet oak</div><div>32</div><div>7235</div><div>84</div></div></div><div><div><div>T3377</div><div>Quercus rubra</div></div><div><div>northern red oak</div><div>24</div><div>4069</div><div>59</div></div></div><div><div><div>T3378</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>24</div><div>4069</div><div>66</div></div></div><div><div><div>T3379</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>28</div><div>5539</div><div>53</div></div></div><div><div><div>T3380</div><div>Alnus alba</div></div><div><div>tree of heaven</div><div>22</div><div>3419</div><div>81</div></div></div><div><div><div>T3381</div><div>Alnus alba</div></div><div><div>tree of heaven</div><div>22</div><div>3419</div><div>91</div></div></div><div><div><div>T3382</div><div>Alnus alba</div></div><div><div>tree of heaven</div><div>26</div><div>4776</div><div>84</div></div></div><div><div><div>T3383</div><div>Alnus alba</div></div><div><div>tree of heaven</div><div>14</div><div>1385</div><div>72</div></div></div><div><div><div>T3384</div><div>Alnus alba</div></div><div><div>tree of heaven</div><div>23</div><div>3737</div><div>91</div></div></div><div><div><div>T3385</div><div>Prunus serotina</div></div><div><div>black cherry</div><div>18</div><div>2289</div><div>84</div></div></div><div><div><div>T3386</div><div>Alnus alba</div></div><div><div>tree of heaven</div><div>17</div><div>2042</div><div>84</div></div></div><div><div><div>T3387</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>33</div><div>7694</div><div>88</div></div></div><div><div><div>T3388</div><div>Quercus palustris</div></div><div><div>pin oak</div><div>26</div><div>4776</div><div>69</div></div></div><div><div><div>T3389</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>27</div><div>5150</div><div>88</div></div></div><div><div><div>T3390</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>30</div><div>6359</div><div>84</div></div></div><div><div><div>T3391</div><div>Prunus serotina</div></div><div><div>black cherry</div><div>28</div><div>5539</div><div>66</div></div></div><div><div><div>T3392</div><div>Prunus serotina</div></div><div><div>black cherry</div><div>16</div><div>1809</div><div>56</div></div></div><div><div><div>T3393</div><div>Alnus alba</div></div><div><div>tree of heaven</div><div>12</div><div>1017</div><div>78</div></div></div><div><div><div>T3394</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>22</div><div>3419</div><div>59</div></div></div><div><div><div>T3395</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>20</div><div>2826</div><div>84</div></div></div><div><div><div>T3396</div><div>Morus alba</div></div><div><div>white mulberry</div><div>20</div><div>2826</div><div>88</div></div></div><div><div><div>T3397</div><div>Prunus serotina</div></div><div><div>black cherry</div><div>22</div><div>3419</div><div>69</div></div></div><div><div><div>T3398</div><div>Morus alba</div></div><div><div>white mulberry</div><div>25</div><div>4416</div><div>56</div></div></div><div><div><div>T3399</div><div>Morus alba</div></div><div><div>white mulberry</div><div>13</div><div>1194</div><div>56</div></div></div><div><div><div>T3401</div><div>Morus alba</div></div><div><div>white mulberry</div><div>12</div><div>1017</div><div>75</div></div></div><div><div><div>T3402</div><div>Morus alba</div></div><div><div>white mulberry</div><div>50</div><div>17663</div><div>56</div></div></div><div><div><div>T3403</div><div>Betula nigra</div></div><div><div>river birch</div><div>31</div><div>6789</div><div>84</div></div></div><div><div><div>T3404</div><div>Betula nigra</div></div><div><div>river birch</div><div>27</div><div>5150</div><div>88</div></div></div><div><div><div>T3405</div><div>Betula nigra</div></div><div><div>river birch</div><div>31</div><div>6789</div><div>84</div></div></div><div><div><div>T3406</div><div>Platanus occidentalis</div></div><div><div>American sycamore</div><div>12</div><div>1017</div><div>88</div></div></div><div><div><div>T3407</div><div>Morus alba</div></div><div><div>white mulberry</div><div>30</div><div>6359</div><div>78</div></div></div><div><div><div>T3408</div><div>Morus alba</div></div><div><div>white mulberry</div><div>23</div><div>3737</div><div>63</div></div></div><div><div><div>T3409</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>34</div><div>8167</div><div>91</div></div></div><div><div><div>T3410</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>26</div><div>4776</div><div>88</div></div></div><div><div><div>T3411</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>27.5</div><div>5343</div><div>97</div></div></div></div><div><div><div>T3412</div><div>Prunus serotina</div></div><div><div>black cherry</div><div>18</div><div>2289</div><div>63</div></div></div><div><div><div>T3413</div><div>Prunus serotina</div></div><div><div>black cherry</div><div>12</div><div>1017</div><div>56</div></div></div><div><div><div>T3414</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>33</div><div>7694</div><div>81</div></div></div><div><div><div>T3415</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>37</div><div>9672</div><div>81</div></div></div><div><div><div>T3416</div><div>Quercus rubra</div></div><div><div>northern red oak</div><div>28</div><div>5539</div><div>84</div></div></div><div><div><div>T3417</div><div>Acer negundo</div></div><div><div>boxelder</div><div>28</div><div>5539</div><div>88</div></div></div><div><div><div>T3418</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>29</div><div>5942</div><div>75</div></div></div><div><div><div>T3419</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>24</div><div>4069</div><div>59</div></div></div><div><div><div>T3420</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>14</div><div>1385</div><div>47</div></div></div><div><div><div>T3421</div><div>Quercus rubra</div></div><div><div>northern red oak</div><div>39.5</div><div>11023</div><div>84</div></div></div><div><div><div>T3422</div><div>Prunus serotina</div></div><div><div>black cherry</div><div>23</div><div>3737</div><div>63</div></div></div><div><div><div>T3423</div><div>Prunus serotina</div></div><div><div>black cherry</div><div>28</div><div>5539</div><div>41</div></div></div><div><div><div>T3424</div><div>Cupressus x leylandii</div></div><div><div>boxelder</div><div>23</div><div>3737</div><div>81</div></div></div><div><div><div>T3425</div><div>Acer negundo</div></div><div><div>boxelder</div><div>45</div><div>14307</div><div>91</div></div></div><div><div><div>T3426</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>20</div><div>2826</div><div>47</div></div></div><div><div><div>T3427</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>40</div><div>11304</div><div>69</div></div></div><div><div><div>T3428</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>20</div><div>2826</div><div>75</div></div></div><div><div><div>T3429</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>12</div><div>1017</div><div>41</div></div></div><div><div><div>T3430</div><div>Morus alba</div></div><div><div>white mulberry</div><div>16</div><div>1809</div><div>63</div></div></div><div><div><div>T3431</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>21</div><div>3116</div><div>66</div></div></div><div><div><div>T3432</div><div>Acer saccharinum</div></div><div><div>silver maple</div><div>32</div><div>7235</div><div>78</div></div></div><div><div><div>T3433</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>25</div><div>4416</div><div>72</div></div></div><div><div><div>T3434</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>31</div><div>6789</div><div>69</div></div></div><div><div><div>T3435</div><div>Prunus serotina</div></div><div><div>black cherry</div><div>19.5</div><div>2686</div><div>59</div></div></div><div><div><div>T3436</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>23</div><div>3737</div><div>69</div></div></div><div><div><div>T3437</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>30</div><div>6359</div><div>63</div></div></div><div><div><div>T3438</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>34</div><div>8167</div><div>75</div></div></div><div><div><div>T3439</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>28</div><div>5539</div><div>69</div></div></div><div><div><div>T3440</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>25</div><div>4416</div><div>75</div></div></div><div><div><div>T3441</div><div>Morus alba</div></div><div><div>white mulberry</div><div>19</div><div>2550</div><div>47</div></div></div><div><div><div>T3442</div><div>Picea abies</div></div><div><div>Norway spruce</div><div>21</div><div>3116</div><div>88</div></div></div><div><div><div>T3444</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>21</div><div>3116</div><div>88</div></div></div><div><div><div>T3445</div><div>Picea abies</div></div><div><div>Norway spruce</div><div>21</div><div>3116</div><div>97</div></div></div><div><div><div>T3446</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>12</div><div>1017</div><div>81</div></div></div><div><div><div>T3447</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>14</div><div>1485</div><div>84</div></div></div><div><div><div>T3448</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>16</div><div>1809</div><div>75</div></div></div><div><div><div>T3450</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>25</div><div>4416</div><div>84</div></div></div><div><div><div>T3451</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>36</div><div>9156</div><div>72</div></div></div><div><div><div>T3452</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>28</div><div>5539</div><div>69</div></div></div><div><div><div>T3453</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>27</div><div>5150</div><div>84</div></div></div><div><div><div>T3454</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>25.5</div><div>4594</div><div>78</div></div></div><div><div><div>T3456</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>20</div><div>2826</div><div>69</div></div></div><div><div><div>T3457</div><div>Morus rubra</div></div><div><div>red mulberry</div><div>18</div><div>2289</div><div>66</div></div></div><div><div><div>T3458</div><div>Liquidambar styraciflua</div></div><div><div>sweetgum</div><div>22</div><div>3419</div><div>81</div></div></div><div><div><div>T3459</div><div>Liquidambar styraciflua</div></div><div><div>sweetgum</div><div>16</div><div>1809</div><div>88</div></div></div><div><div><div>T3460</div><div>Liquidambar styraciflua</div></div><div><div>sweetgum</div><div>22</div><div>3419</div><div>91</div></div></div><div><div><div>T3461</div><div>Prunus serotina</div></div><div><div>black cherry</div><div>28</div><div>5539</div><div>81</div></div></div><div><div><div>T3462</div><div>Picea abies</div></div><div><div>Norway spruce</div><div>17</div><div>2042</div><div>94</div></div></div><div><div><div>T3463</div><div>Acer saccharum</div></div><div><div>sugar maple</div><div>17</div><div>2042</div><div>84</div></div></div><div><div><div>T3464</div><div>Picea abies</div></div><div><div>Norway spruce</div><div>26</div><div>4776</div><div>97</div></div></div><div><div><div>T3465</div><div>Prunus serotina</div></div><div><div>black cherry</div><div>16</div><div>1809</div><div>41</div></div></div><div><div><div>T3466</div><div>Metasequoia glyptostroboides</div></div><div><div>dawn redwood</div><div>24</div><div>4069</div><div>100</div></div></div><div><div><div>T3467</div><div>Cedrus atlantica</div></div><div><div>atlas cedar</div><div>23</div><div>3737</div><div>91</div></div></div><div><div><div>T3468</div><div>Fagus sylvatica</div></div><div><div>European beech</div><div>25</div><div>4416</div><div>97</div></div></div><div><div><div>T3469</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>34.5</div><div>8409</div><div>91</div></div></div><div><div><div>T3478</div><div>Acer saccharum</div></div><div><div>sugar maple</div><div>21</div><div>1385</div><div>56</div></div></div><div><div><div>T3498</div><div>Cupressus x leylandii</div></div><div><div>Leyland cypress</div><div>14</div><div>1385</div><div>91</div></div></div><div><div><div>T3499</div><div>Cupressus x leylandii</div></div><div><div>Leyland cypress</div><div>15</div><div>1590</div><div>84</div></div></div><div><div><div>T3501</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>12</div><div>1017</div><div>69</div></div></div><div><div><div>T3521</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>32</div><div>7235</div><div>88</div></div></div><div><div><div>T3522</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>26</div><div>4776</div><div>91</div></div></div><div><div><div>T3523</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>28</div><div>5539</div><div>84</div></div></div><div><div><div>T3526</div><div>Liquidambar styraciflua</div></div><div><div>sweetgum</div><div>10</div><div>2826</div><div>88</div></div></div><div><div><div>T3527</div><div>Quercus phellos</div></div><div><div>willow oak</div><div>16</div><div>1809</div><div>84</div></div></div><div><div><div>T3532</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>32</div><div>7235</div><div>78</div></div></div><div><div><div>T3515</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>26.5</div><div>5739</div><div>78</div></div></div><div><div><div>T3516</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>26.5</div><div>4961</div><div>78</div></div></div><div><div><div>T3517</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>22</div><div>3419</div><div>78</div></div></div><div><div><div>T3518</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>21.5</div><div>3266</div><div>78</div></div></div><div><div><div>T3519</div><div>Pinus strobus</div></div><div><div>eastern white pine</div><div>32</div><div>7235</div><div>78</div></div></div><div><div><div>T3520</div><div>Tsuga canadensis</div></div><div><div>eastern hemlock</div><div>18</div><div>2289</div><div>78</div></div></div><div><div><div>T3521</div><div>Ulmus parvifolia</div></div><div><div>Chinese elm</div><div>28</div><div></div></div></div></div>
--



T3938	<i>Betula nigra</i>	river birch	5	177	81	4 trunks (3, 3, 2, 1)
T3961	<i>Koeleruteria paniculata</i>	golden rain tree	11.5	934	66	Dead limbs, leaning
T3963	<i>Pecea abies</i>	Norway spruce	11	855	72	Broken limbs, vines on trunk
T3964	<i>Tsuga canadensis</i>	eastern hemlock	11	855	78	Vines on trunk and in canopy
T3967	<i>Metasequoia glyptostroboides</i>	dawn redwood	9	572	25	2 trunks (6-5, 6-5), vines on trunk and in canopy, in decline
T3975	<i>Tsuga canadensis</i>	eastern hemlock	10	707	72	Broken limbs
T3981	<i>Prunus serotina</i>	black cherry	10	707	66	Vines on trunk, dead leader
T3982	<i>Metasequoia glyptostroboides</i>	dawn redwood	7	346	78	
T3983	<i>Metasequoia glyptostroboides</i>	dawn redwood	7	346	78	2 trunks (4, 6), dead limbs
T3992	<i>Liquidambar styraciflua</i>	sweetgum	9	572	81	Vines on trunk and in canopy
T3993	<i>Cupressus x leylandii</i>	Leyland cypress	8	452	81	Vines on trunk and in canopy
T3994	<i>Cupressus x leylandii</i>	Leyland cypress	8	452	81	2 trunks (6, 8), vines on trunk and in canopy
T3995	<i>Cupressus x leylandii</i>	Leyland cypress	9	572	81	2 trunks (5, 8), vines on trunk and in canopy
T3996	<i>Liquidambar styraciflua</i>	sweetgum	6	254	94	Vines on trunk
T3997	<i>Acer rubrum</i>	red maple	6	254	100	
				0		
OFFSITE CRZ PER LOCATION AS ABOVE						
T3298	<i>Fagus sylvatica</i>	European beech	26	4776	94	Purple/leaf cultvar
T3299	<i>Cupressus leylandii</i>	Leyland cypress	8	452	81	Multi trunk (3, 5.5, 3, 3.5)
T3300	<i>Fagus sylvatica</i>	European beech	22	3419	88	Purple leaf cultvar
T3301	<i>Nyssa sylvatica</i>	blackgum	6	254	56	
T3302	<i>Acer rubrum</i>	red maple	9	572	56	
T3303	<i>Prunus serotina</i>	black cherry	8	452	53	Multi trunk (3.5, 3.5, 2.5, 2.5, 6), growing into 2 other trees
T3304	<i>Prunus serotina</i>	black cherry	16	1809	50	Other tree cutting into trunk
T3305	<i>Pyrus calleryana</i>	Callery pear	11	855	78	Multi trunk (7, 8)
T3306	<i>Platanus occidentalis</i>	American sycamore	13.5	1288	84	
T3307	<i>Cryptomeria japonica</i>	Japanese cryptomeria	11	855	91	Multi trunk (8, 7)
T3308	<i>Cryptomeria japonica</i>	Japanese cryptomeria	10	707	94	
T3309	<i>Liriodendron tulipifera</i>	tulip tree	32	7235	81	Multi trunk (20, 22, 12)
T3310	<i>Malus angustifolia</i>	southern crab apple	12	1017	69	Multi trunk (0, 2, 7)
T3311	<i>Malus angustifolia</i>	southern crab apple	19	2550	66	Multi trunk (11, 8.5, 13)
T3312	<i>Cryptomeria japonica</i>	Japanese cryptomeria	10	707	91	
T3314	<i>Morus alba</i>	white mulberry	15	1350	50	Multi trunk (9, 12)
T3315	<i>Cryptomeria japonica</i>	Japanese cryptomeria	11	855	88	
T3316	<i>Pyrus calleryana</i>	Callery pear	14	1385	81	
T3317	<i>Pyrus calleryana</i>	Callery pear	17	2042	47	In decline
T3318	<i>Pyrus calleryana</i>	Callery pear	18	2289	75	Multi trunk (12, 8, 9, 5)
T3319	<i>Pyrus calleryana</i>	Callery pear	12	1017	66	
T3320	<i>Juniperus virginiana</i>	eastern redcedar	18	2289	69	Multi trunk (10, 11, 11)
T3321	<i>Liriodendron tulipifera</i>	tulip tree	20.5	2869	94	
T3340	<i>Acer negundo</i>	boxelder	9	572	84	Co-dominant above dbh
T3341	<i>Robinia pseudoacacia</i>	black locust	9	572	72	
T3342	<i>Prunus serotina</i>	black cherry	10	707	75	Dead leader
T3343	<i>Juglans nigra</i>	black walnut	32	7235	94	
T3358	<i>Quercus rubra</i>	northern red oak	55	21372	97	Multi trunk (40, 38)
T3368	<i>Quercus alba</i>	white oak	25	4416	81	
T3368	<i>Quercus alba</i>	white oak	34	8167	94	
T3369	<i>Quercus alba</i>	white oak	25	4416	84	
T3524	<i>Prunus serotina</i>	black cherry	30	6359	72	
T3525	<i>Acer rubrum</i>	red maple	31	6789	81	Multi trunk (30, 2, 5, 7)
T3528	<i>Acer rubrum</i>	black locust	18	2289	88	
T3531	<i>Quercus phellos</i>	willow oak	26	4776	91	
T3532	<i>Quercus rubra</i>	northern red oak	23	3717	88	
T3533	<i>Quercus rubra</i>	northern red oak	18	2289	88	
T3534	<i>Quercus rubra</i>	northern red oak	18	2289	94	
T3535	<i>Quercus rubra</i>	northern red oak	19	2550	81	

\*BOLD DENOTES SPECIMEN TREES

RESOURCE DATA TABLE (INFORMATION TO BE SHOWN IS SQUARE FEET)	TOTAL AREA	IMPACTED AREA	NOT IMPACTED	AF-FORESTATION OR RE-FORESTATION	CLEARED FOREST
PRIORITY FOREST	904,769.34	N/A	N/A	N/A	N/A
NON-PRIORITY FOREST	423,560.48	N/A	N/A	N/A	N/A
FORESTED WETLAND	0	0	0	0	0
NON-FORESTED WETLAND	130,985.40	N/A	N/A	N/A	
FORESTED FLOODPLAIN	0	0	0	0	0
NON-FORESTED FLOODPLAIN	0	0	0	0	
FORESTED STREAM VALLEY BUFFER	461,246.56	N/A	N/A	N/A	N/A
NON-FORESTED STREAM VALLEY BUFFER	555,955.51	N/A	N/A	N/A	

MINIMUM TREE COVER			
TRACT AREA SF	ZONING	MTC REQUIRED %	MTC SF REQUIRED
5,707,470.17	PARK	15	856,120.53

NNI CHART- PER CITY LIST			
SCIENTIFIC	COMMON	LOCATION	% COVERAGE OF SITE
<i>Lonicera japonica</i>	Japanese honeysuckle vine	Along forest edge and within forest	20%
<i>Pyrus calleryana</i>	Callery pear	Along trails and roadway	5%
<i>Acer platanoides</i>	Norway maple	Along trails	2%
<i>Zelkova serrata</i>	Japanese zelkova	Along trails	2%
<i>Ailanthus altissima</i>	Tree of heaven	Along overgrown fairway areas	8%
<i>Koeleruteria paniculata</i>	Golden rain tree	Along roadway	2%
<i>Morus alba</i>	White mulberry	Along overgrown fairway areas	8%
<i>Ulmus parvifolia</i>	Lacebark elm	Along trails	2%
<i>Albizia julibrissin</i>	Mimosa tree	Within forest	5%
<i>Cirsium vulgare</i>	Overgrown fairway areas	Overgrown fairway areas	60%
<i>Celastrus orbiculatus</i>	Oriental bittersweet	Within forest	20%
<i>Lonicera maackii</i>	Amur honeysuckle	Along forest edge and within forest	20%
<i>Ampelopsis brevipedunculata</i>	Porcelain berry	Along forest edge and within forest	20%
<i>Microstegium vimineum</i>	Japanese stiltgrass	Along forest edge and within forest	20%
<i>Rubus phoenicolasius</i>	Wineberry	Along forest edge and within forest	20%
<i>Ligustrum japonicum</i>	Wax-leaf privet	Within forest	20%
<i>Lespedeza sp.</i>	Purshlane	Within forest	20%
<i>Berberis thunbergii</i>	Japanese barberry	Within forest	20%
<i>Wisteria sp.</i>	Wisteria	Along forest edge and within forest	20%
<i>Euonymus fortunei</i>	Wintercreeper	Within forest	20%
<i>Similax rotundifolia</i>	Greenbrier	Along forest edge and within forest	20%
NNI INVENTORY CONDUCTED IN JUNE 2024			

FOREST STAND SUMMARY ANALYSIS

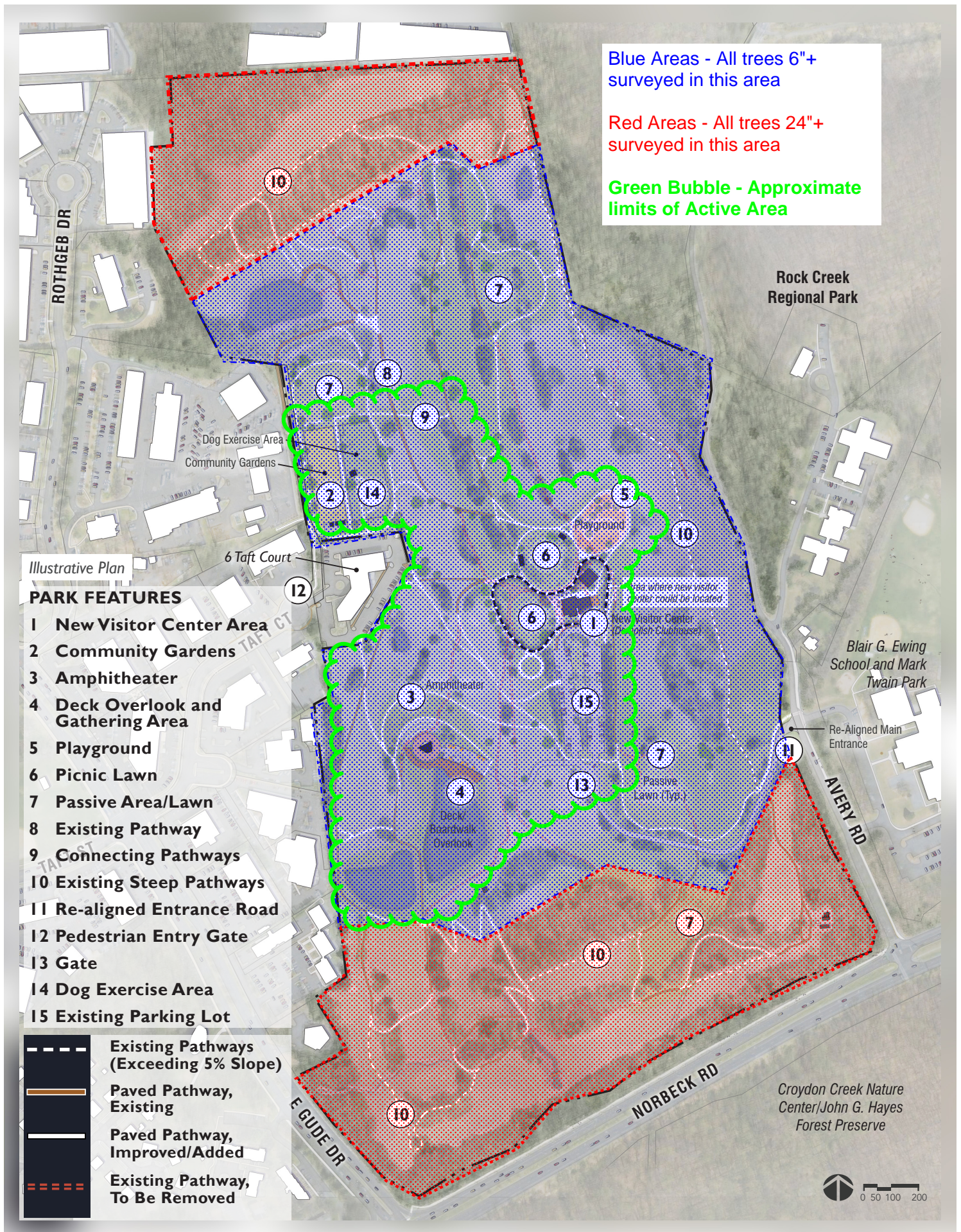
Property Name:	Redgate Park												
Location:	14500 Avery Road, Rockville, MD 20853												
Prepared By:	Erin Batlas, Lauren Gray, Malayah Hatchell										Date: 6/27/2024		
Stand Variable	Stand #1 Plot #1 (S1P1)	Stand #2 Plot #1 (S2P1)	Stand #3 Plot #1 (S3P1)	Stand #4 Plot #1 (S4P1)	Stand #5 Plot #1 (S5P1)	Stand #6 Plot #1 (S6P1)	Stand #7 Plot #1 (S7P1)	Stand #8 Plot #1 (S8P1)	Stand #9 Plot #1 (S9P1)	Stand #10 Plot #1 (S10P1)	Stand #11 Plot #1 (S11P1)	Stand #12 Plot #1 (S12P1)	Stand #13 Plot #1 (S13P1)
1. Dominant species/ Codominant species	<b>Acer rubrum</b>	<b>Liriodendron tulipifera, Acer rubrum, Quercus rubra</b>	<b>Quercus alba</b>	<b>Liriodendron tulipifera</b>	<b>Nyssa sylvatica, Quercus montana</b>	<b>Nyssa sylvatica</b>	<b>Quercus alba, Quercus rubra</b>	<b>Nyssa sylvatica, Quercus alba</b>	<b>Quercus montana, Nyssa sylvatica</b>	<b>Liriodendron tulipifera</b>	<b>American Beech</b>	<b>Nyssa sylvatica, Quercus rubra</b>	<b>Prunus serotina</b>
2. Forest Association	<b>River Birch - Sycamore Association</b>	<b>Tulip Poplar Association</b>	<b>Chestnut Oak Association</b>	<b>Tulip Poplar Association</b>	<b>Chestnut Oak Association</b>	<b>Chestnut Oak Association</b>	<b>Tulip Poplar Association</b>	<b>Chestnut Oak Association</b>	<b>Chestnut Oak Association</b>	<b>Tulip Poplar Association</b>	<b>Chestnut Oak Association</b>	<b>Chestnut Oak Association</b>	<b>River Birch - Sycamore Association</b>
3. Successional stage	<b>Early</b>	<b>Early</b>	<b>Early-Mid</b>	<b>Mid</b>	<b>Mid</b>	<b>Early-Mid</b>	<b>Mid</b>	<b>Early-Mid</b>	<b>Early-Mid</b>	<b>Early</b>	<b>Early-Mid</b>	<b>Mid</b>	<b>Early</b>
4. Basal area in s.f. per acre	<b>90</b>	<b>85</b>	<b>85</b>	<b>95</b>	<b>110</b>	<b>100</b>	<b>100</b>	<b>65</b>	<b>120</b>	<b>65</b>	<b>80</b>	<b>105</b>	<b>90</b>
5. Size class of dominant species	<b>10-17.9" dbh</b>	<b>10-17.9" dbh</b>	<b>10-17.9" dbh</b>	<b>18-29.9" dbh</b>	<b>2-5.9" dbh</b>	<b>2-5.9" dbh</b>	<b>10-17.9" dbh</b>	<b>2-5.9" dbh</b>	<b>10-17.9" dbh</b>	<b>18-29.9" dbh</b>	<b>18-29.9" dbh</b>	<b>2-5.9" dbh</b>	<b>6-9.9" dbh</b>
6. Percent of canopy closure	<b>65</b>	<b>81</b>	<b>76</b>	<b>76</b>	<b>73</b>	<b>64</b>	<b>79</b>	<b>94</b>	<b>83</b>	<b>65</b>	<b>95.8</b>	<b>77</b>	<b>75.6</b>
7. Number of tree species	<b>4</b>	<b>5</b>	<b>5</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>7</b>	<b>5</b>	<b>6</b>	<b>4</b>	<b>5</b>	<b>4</b>	<b>3</b>
8. Common understory species	<b>Ilex opaca, Lonicera maackii, Parthenocissus quercifolia</b>	<b>Juniperus virginiana, Rubus phoenicolasius, rosa spp., Liriodendron tulipifera, Lonicera maackii</b>	<b>Rubus phoenicolasius, Prunus serotina, Ligustrum japonicum</b>	<b>Acer rubrum, Nyssa sylvatica, Prunus serotina, Carya tomentosa</b>	<b>Acer rubrum, Nyssa sylvatica, Kalmia latifolia, Ilex opaca, Ligustrum japonicum</b>	<b>Acer rubrum, Nyssa sylvatica, Carpinus caroliniana, Berberis thunbergii</b>	<b>Acer rubrum, Nyssa sylvatica, Lonicera maackii, Celastrus orbiculatus, Rubus phoenicolasius</b>	<b>Nyssa sylvatica, Carya tomentosa, Fagus grandifolia</b>	<b>Nyssa sylvatica, Lonicera maackii, Acer rubrum, Vaccinium angustifolium, Ilex opaca</b>	<b>Rosa spp., Celastrus orbiculatus, Similax rotundifolia, Albizia julibrissin</b>	<b>Lonicera maackii, Berberis thunbergii, Rosa spp.</b>	<b>Nyssa sylvatica, Fagus grandifolia</b>	<b>Ilex opaca, Lonicera maackii, Rubus phoenicolasius</b>
9. Percent of understory cover 3' to 20' tall	<b>43</b>	<b>30</b>	<b>42</b>	<b>37</b>	<b>41</b>	<b>48</b>	<b>13</b>	<b>15</b>	<b>30</b>	<b>34</b>	<b>8</b>	<b>29</b>	<b>76</b>
10. Number of understory species 3' to 20' tall	<b>3</b>	<b>5</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>4</b>	<b>5</b>	<b>3</b>	<b>5</b>	<b>4</b>	<b>3</b>	<b>2</b>	<b>3</b>
11. Common herbaceous species	<b>Cirsium vulgare, Celastrus orbiculatus, Vitis spp., Ampelopsis brevipedunculata</b>	<b>Lonicera japonica, Lonicera maackii, Toxicodendron radicans, Ampelopsis brevipedunculata, Microstegium vimineum, Solanum carolinense</b>	<b>Toxicodendron radicans, Quercus montana, Parthenocissus quinquefolia, Trifolium repens, Vitis sp., Celastrus orbiculatus, Microstegium vimineum, Similax rotundifolia, Ligustrum japonicum, Lespedeza sp.</b>	<b>Dryopteris marginalis, Microstegium vimineum, Trillium grandiflorum, Celastrus orbiculatus, Carya tomentosa, Impatiens campensis</b>	<b>Quercus montana, Prunus serotina, Liriodendron tulipifera, Acer rubrum, Parthenocissus quinquefolia, Similax rotundifolia, Microstegium vimineum, Celastrus orbiculatus</b>	<b>Prunus serotina, Rubus phoenicolasius, Ampelopsis brevipedunculata, Parthenocissus quinquefolia, Polystichum acrostichoides, Similax rotundifolia, Microstegium vimineum, Toxicodendron radicans</b>	<b>Celastrus orbiculatus, Acer rubrum, Prunus serotina, Vitis sp., Berberis thunbergii, Parthenocissus quinquefolia, Microstegium vimineum, Toxicodendron radicans</b>	<b>Prunus serotina, Parthenocissus quinquefolia, Vitis sp., Lonicera maackii, Celastrus orbiculatus, Phytolacca americana, Rubus phoenicolasius</b>	<b>Parthenocissus quinquefolia, Quercus montana, Rubus phoenicolasius, Toxicodendron radicans, Acer rubrum, Similax rotundifolia, Microstegium vimineum</b>	<b>Wisteria sp., Toxicodendron radicans, Ampelopsis brevipedunculata, Parthenocissus quinquefolia, Quercus phellos, Rhys typhina</b>	<b>Celastrus orbiculatus, Parthenocissus quinquefolia, Toxicodendron radicans, Rubus phoenicolasius</b>	<b>Celastrus orbiculatus, Lonicera maackii, Parthenocissus quinquefolia, Toxicodendron radicans, Similax rotundifolia, Ilex opaca</b>	<b>Euonymus fortunei, Celastrus orbiculatus, Phytolacca americana, Toxicodendron radicans, Similax rotundifolia, Ampelopsis brevipedunculata</b>
12. Common herbaceous & woody plant cover 0' to 3' tall	<b>Cirsium vulgare, Celastrus orbiculatus, Vitis spp., Ampelopsis brevipedunculata</b>	<b>Lonicera japonica, Lonicera maackii, Toxicodendron radicans, Ampelopsis brevipedunculata, Microstegium vimineum, Solanum carolinense</b>	<b>Toxicodendron radicans, Quercus montana, Parthenocissus quinquefolia, Trifolium repens, Vitis sp., Microstegium vimineum, Similax rotundifolia, Ligustrum japonicum, Lespedeza sp.</b>	<b>Dryopteris marginalis, Microstegium vimineum, Trillium grandiflorum, Celastrus orbiculatus, Carya tomentosa, Impatiens campensis</b>	<b>Quercus montana, Prunus serotina, Liriodendron tulipifera, Microstegium vimineum, Acer rubrum, Parthenocissus quinquefolia, Celastrus orbiculatus, Carya tomentosa, Lonicera maackii</b>	<b>Prunus serotina, Rubus phoenicolasius, Ampelopsis brevipedunculata, Parthenocissus quinquefolia, Polystichum acrostichoides, Similax rotundifolia, Microstegium vimineum, Celastrus orbiculatus</b>	<b>Celastrus orbiculatus, Acer rubrum, Prunus serotina, Vitis sp., Berberis thunbergii, Parthenocissus quinquefolia, Phytolacca americana, Rubus phoenicolasius</b>	<b>Prunus serotina, Parthenocissus quinquefolia, Vitis sp., Lonicera maackii, Celastrus orbiculatus, Phytolacca americana, Rubus phoenicolasius</b>	<b>Parthenocissus quinquefolia, Quercus montana, Rubus phoenicolasius, Toxicodendron radicans, Acer rubrum, Similax rotundifolia, Microstegium vimineum</b>	<b>Wisteria sp., Toxicodendron radicans, Ampelopsis brevipedunculata, Parthenocissus quinquefolia, Quercus phellos, Rhys typhina</b>	<b>Celastrus orbiculatus, Parthenocissus quinquefolia, Toxicodendron radicans, Rubus phoenicolasius</b>	<b>Celastrus orbiculatus, Lonicera maackii, Parthenocissus quinquefolia, Toxicodendron radicans, Similax rotundifolia, Ilex opaca</b>	<b>Euonymus fortunei, Celastrus orbiculatus, Phytolacca americana, Toxicodendron radicans, Similax rotundifolia, Ampelopsis brevipedunculata</b>
13. List of major invasive plant species & percent of cover	<b>Lonicera maackii, Cirsium vulgare, Microstegium vimineum, Celastrus orbiculatus, Ampelopsis brevipedunculata - 64%</b>	<b>Microstegium vimineum, Ampelopsis brevipedunculata, Lonicera maackii, Lonicera japonica, Solanum carolinense, Rubus phoenicolasius - 29%</b>	<b>Celastrus orbiculatus, Ampelopsis brevipedunculata, Similax rotundifolia, Microstegium vimineum, Lespedeza sp. - 51%</b>	<b>Celastrus orbiculatus, Microstegium vimineum - 26%</b>	<b>Microstegium vimineum, Celastrus orbiculatus, Lonicera maackii - 20%</b>	<b>Similax rotundifolia, Microstegium vimineum, Berberis thunbergii, Rubus phoenicolasius, Celastrus orbiculatus - 52%</b>	<b>Rubus phoenicolasius, Celastrus orbiculatus, Berberis thunbergii, Microstegium vimineum - 51%</b>	<b>Lonicera maackii, Celastrus orbiculatus, Rubus phoenicolasius - 7.4%</b>	<b>Celastrus orbiculatus, Rubus phoenicolasius, Similax rotundifolia, Microstegium vimineum - 13.4%</b>	<b>Similax rotundifolia, Ampelopsis brevipedunculata, Albizia julibrissin, Wisteria sp., Celastrus orbiculatus - 70%</b>	<b>Berberis thunbergii, Rubus phoenicolasius, Celastrus orbiculatus - 4.8%</b>	<b>Celastrus orbiculatus, Lonicera maackii, Similax rotundifolia - 1.4%</b>	<b>Lonicera maackii, Rubus phoenicolasius, Euonymus fortunei, Celastrus orbiculatus, Similax rotundifolia, Ampelopsis brevipedunculata - 50%</b>
14. Number of standing dead trees ≥6" dbh	<b>0</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>3</b>	<b>1</b>	<b>2</b>	<b>0</b>	<b>2</b>
15. Comments	-	-	-	-	-	-	-	-	-	-	-	-	-

CITY OF ROCKVILLE FOREST CONSERVATION WORKSHEET									
REDGATE PARK									
A. Total tract area ...									5,707,470.17
B. Deductions									0.00
C. Net Tract Area .....									5,707,470.17
LAND USE CATEGORY:									
ZONING:	R-400, R-200	R-80, R-75, R-60, R-150	RMD10, RMD15, RMD25	LL, LH, RPR, RPC, MXT, MXC, MXNC, MXB, MXE, MXCD, MXTD					
Place a "1" under the column corresponding to the correct zone of the site									
Zone:	0	0	0	1					
(choose only one)									
D. Afforestation Threshold ...					15%	x F =		856,120.53	
E. Conservation Threshold ...					15%	x F =		856,120.53	
EXISTING FOREST COVER:									
F. Existing forest cover (within net tract) .....									1,328,329.82
G. Area of forest above conservation threshold .....									472,209.29
BREAK EVEN POINT:									
H. Breakeven Point (amount of forest retained so that no mitigation is required)....=									950,562.38
I. Clearing permitted without mitigation .....									377,767.44

SOILS TABLE						
MAP UNIT SYMBOL	MAP UNIT NAME	K-FACTOR (WHOLE SOIL)	DRAINAGE CLASS	HIGH ERODIBILITY (Y/N)	HYDRIC INCLUSION %	HYDROLOGIC SOIL GROUP
1B	GAILA SILT LOAM, 3-8% SLOPES	0.43	WELL DRAINED	NO	5	B
1C	GAILA SILT LOAM, 8-15% SLOPES	0.43	WELL DRAINED	NO	5	B
2B	GLENELG SILT LOAM, 3-8% SLOPES	0.37	WELL DRAINED	NO	0	B
2UB	GLENELG-URBAN LAND COMPLEX, 0-8% SLOPES	0.28	WELL DRAINED	NO	0	B
2UC	GLENELG-URBAN LAND COMPLEX, 8-15% SLOPES	0.28	WELL DRAINED	NO	0	B
6A	BAILE SILT LOAM, 0-3% SLOPES	0.37	POORLY DRAINED	NO	85	C/D
65B	WHEATON SILT LOAM, 0-8% SLOPES	0.43	WELL DRAINED	NO	0	B
116D	BLOCKTOWN CHANNERY SILT LOAM, 15-25% SLOPES	0.28	WELL DRAINED	NO	5	D
116E	BLOCKTOWN CHANNERY SILT LOAM, 25-45% SLOPES	0.28	WELL DRAINED	YES	5	D
W	CENSUS WATER	N/A	N/A	NO	0	N/A



# ATTACHMENT B





## ATTACHMENT C

11/24



# Checklist for Forest Conservation Plan

**City of Rockville**

**Department of Community Planning and Development  
Services/Forestry Division**

111 Maryland Avenue, Rockville, Maryland 20850

Phone: 240-314-8700 • Fax: 240-314-8719 • Website: [www.rockvillemd.gov](http://www.rockvillemd.gov)

**Type of FCP (check one):**

☐ SFD    ☐ Forestry-SWM Overlay    ☐ Pre FCP    ☐ Final FCP    ☐ Amended FCP

***Please Print Clearly or Type***

Project Name: \_\_\_\_\_

Legal Description of Property: \_\_\_\_\_

Tax Acct. ID(s): \_\_\_\_\_

Size of Property: \_\_\_\_\_

Name of Firm Preparing Plan: \_\_\_\_\_

Contact Name: \_\_\_\_\_ Phone: \_\_\_\_\_

Email: \_\_\_\_\_ Limits of Disturbance: \_\_\_\_\_

Type of Plan Submission to CPDS (check one): ☐ STP    ☐ SPX    ☐ PJT    ☐ SFD

CPDS Case No.: \_\_\_\_\_

**Instructions for Completing the Checklist**

The checklist has been developed to provide guidance on the submission requirements for preparing NRI/FSD plans. Refer to Chapter 10.5, Forest and Tree Preservation Ordinance, and the Forest Conservation Manual, as may be amended, for codes and regulations governing forest conservation in the city. All items on the checklist must be addressed as either applicable (A) or not applicable (N/A). If checking N/A, a brief explanation as to why shall be provided. Any item left blank will result in the application being deemed incomplete. The qualified plan preparer must sign the last page of the checklist.

**Forest Conservation Plan Acceptance and Review Policy**

This checklist and associated submission documents must be submitted through [My Government Online](#). Instructions on how to create an account and submit online can be found [here](#). Incomplete applications and/or checklists submitted through the online portal will be returned to the applicant. All items listed in Sections A and B must be provided with all forest conservation plan submittals. Complete the appropriate section(s) C, D, E, F or G based on the type of submittal. The forest conservation plan review period is 45 days from when the application package is accepted for review by Forestry. Each re-submission generates another 45-day review period. Re-submittal fees may apply.

## ATTACHMENT C

**A) Application Section**

1. \_\_\_\_\_ Submission package including all required plans

**B) Submission Requirements**

1. \_\_\_\_\_ The approved NRI/FSD (SFD's may submit concurrently)
2. \_\_\_\_\_ Pre, Final or Amended FCP
3. \_\_\_\_\_ 2 copies of the Landscape Plan
4. \_\_\_\_\_ For Pre, Final and Amended FCP's, include the Forestry-SWM Overlay Plan
5. \_\_\_\_\_ For Final and Amended FCP's, include the Erosion and Sediment Control Plan

**C) Forestry-SWM Overlay Plan**

1. \_\_\_\_\_ All items required in Section D of the Department of Public Works checklist for Stormwater Management Concept
2. \_\_\_\_\_ Locations of any existing Forest Conservation Easements on or adjacent to the property
3. \_\_\_\_\_ Preliminary delineation of existing trees to be used for forest conservation credit
4. \_\_\_\_\_ If the site has a previously approved FCP, show location, type and size of all trees counting toward forest conservation or significant tree replacement including a symbol for any missing trees

**D) Preliminary FCP**

1. \_\_\_\_\_ Applicable items from the approved NRI, i.e. significant tree table
2. \_\_\_\_\_ Completed forest conservation worksheet
3. \_\_\_\_\_ Minimum tree cover table
4. \_\_\_\_\_ Plan showing proposed limits of disturbance, all significant trees, CRZ's and disposition
5. \_\_\_\_\_ Significant tree table with area of CRZ's, disposition and number of replacement trees required
6. \_\_\_\_\_ Existing forest and proposed clearing
7. \_\_\_\_\_ Forest stand narrative
8. \_\_\_\_\_ Proposed Forest Conservation Easement area(s)
9. \_\_\_\_\_ Written justification for disturbing priority forest and/or clearing below the break-even point
10. \_\_\_\_\_ Written justification for removing specimen trees
11. \_\_\_\_\_ Written justification for requesting fee in lieu
12. \_\_\_\_\_ Proposed landscape plan showing trees counting for MTC, FC, and significant tree replacement by type: shade, evergreen, or ornamental
13. \_\_\_\_\_ Location of proposed tree protection fence, root pruning and/or limb pruning
14. \_\_\_\_\_ All existing utilities, easements, rights of way
15. \_\_\_\_\_ All proposed SWM facilities/devices, utilities, dedication areas, and easements
16. \_\_\_\_\_ Any other information the City Forester deems necessary

**FCP Checklist**

## ATTACHMENT C

**E) Final FCP**

1. \_\_\_\_\_ All applicable items from the approved NRI
2. \_\_\_\_\_ Completed City of Rockville forest conservation worksheet
3. \_\_\_\_\_ Minimum tree cover table
4. \_\_\_\_\_ Significant tree table from approved NRI with proposed disposition of all trees (save or remove), area of CRZ, number of replacement trees required for each removal, proposed protection and mitigation measures shown on plan and submitted separately on 8 ½" by 11" sheets
5. \_\_\_\_\_ Limits of disturbance
6. \_\_\_\_\_ Existing and proposed contour lines including spot elevations where applicable, i.e. walls, highpoints
7. \_\_\_\_\_ Existing structures including buildings, sidewalks, utilities, fences, driveways, etc. to be removed and method of removal
8. \_\_\_\_\_ All proposed construction including buildings, roads, sidewalks, stormwater management facilities, walls, paths, signs, benches, lighting, etc.
9. \_\_\_\_\_ Stockpile areas for soil, material, equipment and staging
10. \_\_\_\_\_ Concrete washout area
11. \_\_\_\_\_ Location of temporary trailers including construction and sales
12. \_\_\_\_\_ All existing and proposed utility locations, easements and rights of way
13. \_\_\_\_\_ Proposed dedication including road and land areas
14. \_\_\_\_\_ Location and type of sediment control measures
15. \_\_\_\_\_ Current Erosion and Sediment Control plan
16. \_\_\_\_\_ Sequence of construction (must match Sediment Control Sequence)
17. \_\_\_\_\_ Forest retention areas including size of area(s) and priority designation of area(s)
18. \_\_\_\_\_ Forest cleared areas including size of area(s) and priority designation of area(s)
19. \_\_\_\_\_ Reforestation and afforestation areas
20. \_\_\_\_\_ Location and type of tree protection measures
21. \_\_\_\_\_ Location of permanent protection devices
22. \_\_\_\_\_ Specifications/details for tree protection measures
23. \_\_\_\_\_ Specifications/details for tree mitigation measures, i.e. root pruning
24. \_\_\_\_\_ Non native and invasive plant statement and location of plants graphically shown on the plan
25. \_\_\_\_\_ Planting plan showing reforestation, afforestation, and significant tree replacement including tree planting list with type, size, quantity, and form for all trees
26. \_\_\_\_\_ City of Rockville Tree Planting Details
27. \_\_\_\_\_ City of Rockville Forest and Tree Preservation Ordinance Notes
28. \_\_\_\_\_ Landscape plan
29. \_\_\_\_\_ Written justification for disturbing priority forest and/or clearing below the break-even point
30. \_\_\_\_\_ Written justification for removing specimen trees
31. \_\_\_\_\_ Written justification for requesting fee in lieu
32. \_\_\_\_\_ Any other information the City Forester deems necessary

**F) Amended FCP**

1. \_\_\_\_\_ The approved Final FCP with all proposed changes redlined and clouded showing all plan/site revisions, additions/deletions and/or corrections
2. \_\_\_\_\_ Any other information the City Forester deems necessary

**FCP Checklist**

# ATTACHMENT C

## G) Single Family Dwellings

1. \_\_\_\_\_ All applicable items from the NRI/FSD except if submitting a combined plan
2. \_\_\_\_\_ Significant tree table from approved NRI with proposed disposition of all trees (save or remove), number of replacement trees required for each removal, proposed protection and mitigation measures shown on plan
3. \_\_\_\_\_ Limits of disturbance
4. \_\_\_\_\_ Existing and proposed contour lines including spot elevations where applicable, i.e. walls, highpoints
5. \_\_\_\_\_ Existing structures including buildings, sidewalks, utilities, fences, driveways, etc. to be removed and method of removal
6. \_\_\_\_\_ All proposed construction including house, sidewalks, stormwater management facilities, walls, paths, sheds, driveway
7. \_\_\_\_\_ Stockpile areas for soil, material, equipment and staging
8. \_\_\_\_\_ Concrete washout area
9. \_\_\_\_\_ All existing and proposed utility locations, easements and rights of way
10. \_\_\_\_\_ Proposed dedication including road and land areas
11. \_\_\_\_\_ Proposed landscaping showing location of significant replacement trees
12. \_\_\_\_\_ Plant list with tree types, sizes and form
13. \_\_\_\_\_ Sequence of construction
14. \_\_\_\_\_ Location and type of tree protection measures
15. \_\_\_\_\_ Specifications/details for tree protection measures
16. \_\_\_\_\_ Specifications/details for tree mitigation measures, i.e. root pruning
17. \_\_\_\_\_ City of Rockville Tree Planting Details
18. \_\_\_\_\_ City of Rockville Forest and Tree Preservation Ordinance Notes
19. \_\_\_\_\_ Written justification for removing specimen trees
20. \_\_\_\_\_ The Erosion and Sediment Control Plan
21. \_\_\_\_\_ Any other information the City Forester deems necessary

### Additional Requirements:

---

---

---

---

### Comments:

---

---

---

---

Date

Name of Firm Preparing Plan

Signature of Plan Preparer

Type or Print Name

Plan Preparer Qualification

Checklist updated November 2024

## FCP Checklist