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.

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Clarification 2:

City of Rockville

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)?

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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.

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.

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?

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RESPONSE

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See Deletion 1 above.

11) On Section II, E. Task C, items I 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 I (conceptual, 30%, 65%, 80%, and 95%) are required because each phase has a specific purpose. Refer to item I 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.

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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.

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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.

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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.

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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 MAP 5164 GRID K4, K5, K6 ADC MAP/GRID:

TAX MAP: GS51, GR53, GR63 220NW06, 219NW06 WSSC GRID: TOTAL ACRES: 5,707,470.17 SF/131.03 AC

GENERAL NOTES

TOTAL TRACT AREA: 5.707.470.17 SF/131.03 AC 2. CURRENT ZONING: PARK

- WATERSHED THAT THE SITE IS IN: ROCK CREEK WATERSHED
- FLOODPLAIN SOURCE: FEMA FLOOD MAPS 24031C0332D, 24031C0351D, 24031C0334D, 24031C0353D. THERE ARE 2 CLASS I STREAM ON SITE, STREAM SOURCE: MDE AND FIELD INVESTIGATION.
- THERE ARE 6 WETLANDS ON SITE. WETLAND SOURCE: NWI AND FIELD INVESTIGATION.
- PER A LETTER RECEIVED FROM DNR ON 8/23/2024, THERE ARE NO RARE, THREATENED, OR ENDANGERED SPECIES OBSERVED ON THE PROPERTY.
- 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
- . FIELD WORK WAS CONDUCTED BY ANDREW STREAGLE, ANDREA STIRTON, ERIN BATLAS, LAUREN GRAY, MALIYAH HATCHELL, AND DEREK ANO 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.

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 BREVIPEDUNCULATA. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE LONICERA MAACKII, CIRSIUM VULGARE, MICROSTEGIUM VIMINEUM, CELASTRUS ORBICULATUS, AND AMPELOPSIS BREVIPEDUNCULATA.

FOREST STAND 2 IS LOCATED ON THE NORTHWEST SIDE OF THE SITE, NORTH OF STAND 1. THIS STAND IS DOMINATED BY LIRIODENDRON 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 BREVIPEDUNCULATA, MICROSTEGIUM VIMINEUM, AND SOLANUM CAROLINENSE. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE MICROSTEGIUM VIMINEUM, AMPELOPSIS BREVIPEDUNCULATA, LONICERA MAACKII, LONICERA JAPONICA, SOLANUM CAROLINENSE AND RUBUS PHOENICOLASIUS.

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 VIMINEUM, SMILAX ROTUNDIFOLIA, LIGUSTRUM JAPONICUM, AND LESPEDEZA SP. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE CELASTRUS ORBICULATUS, AMPELOPSIS BREVIPEDUNCULATA, SMILAX ROTUNDIFOLIA, MICROSTEGIUM VIMINEUM, AND LESPEDEZA SP.

FOREST STAND 4 IS LOCATED IN THE NORTHWEST CORNER OF THE SITE. THIS STAND IS DOMINATED BY LIRIODENDRON 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 VIMINEUM, TRILLIUM GRANDIFLORUM, CELASTRUS ORBICULATUS, CARYA TOMENTOSA, AND IMPATIENS CAPENSIS. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE CELASTRUS ORBICULATUS AND MICROSTEGIUM VIMINEUM.

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, LIRIODENDRON TULIPIFERA, MICROSTEGIUM VIMINEUM, ACER RUBRUM, PARTHENOCISSUS QUINQUEFOLIA, CELASTRUS ORBICULATUS, CARYA TOMENTOSA, AND LONICERA MAACKII. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE MICROSTEGIUM VIMINEUM, CELASTRUS ORBICULATUS, AND LONICERA MAACKII.

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 PHOENICOLASIUS, AMPELOPSIS BREVIPEDUNCULATA, PARTHENOCISSUS QUINQUEFOLIA, POLYSTICHUM ACROSTICHOIDES, SMILAX ROTUNDIFOLIA, MICROSTEGIUM VIMINEUM, AND CELASTRUS ORBICULATUS. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE SMILAX ROTUNDIFOLIA, MICROSTEGIUM VIMINEUM, BERBERIS THUNBERGII, RUBUS PHOENICOLASIUS, AND CELASTRUS ORBICULATUS.

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 VIMINEUM, AND TOXICODENDRON RADICANS. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE RUBUS PHOENICOLASIUS, CELASTRUS ORBICULATUS, BERBERIS THUNBERGII, AND MICROSTEGIUM VIMINEUM.

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 PHOENICOLASIUS. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE LONICERA MAACKII, CELASTRUS ORBICULATUS, AND RUBUS PHOENICOLASIUS.

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 PHOENICOLASIUS, TOXICODENDRON RADICANS, ACER RUBRUM, SMILAX ROTUNDIFOLIA, AND MICROSTEGIUM VIMINEUM. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE CELASTRUS ORBICULATUS, RUBUS PHOENICOLASIUS, SMILAX ROTUNDIFOLIA, MICROSTEGIUM VIMINEUM.

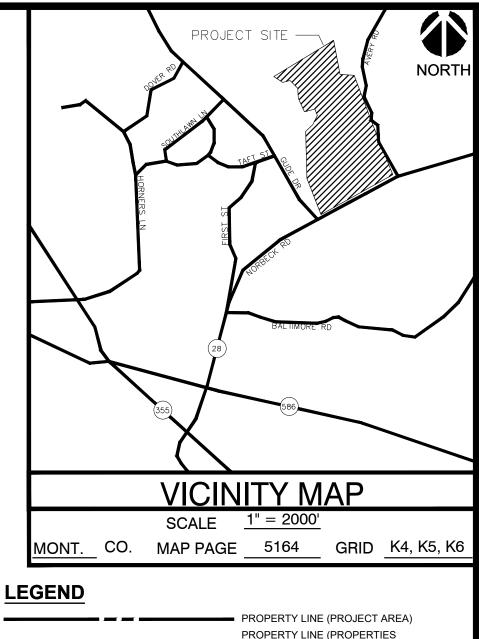
FOREST STAND 10 IS LOCATED ON THE SOUTHERN SIDE OF THE SITE, WEST OF STAND 11. THIS STAND IS DOMINATED BY LIRIODENDRON TULIPIFERA. IT IS TULIP POPLAR ASSOCIATION AND HAS A MIXED UNDERSTORY OF SMALL TREES AND SHRUBS. THE HERBACEOUS AND WOODY PLANT COVER 0'-3' TALL INCLUDES WISTERIA SP., TOXICODENDRON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

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 PHOENICOLASIUS. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE BERBERIS THUNBERGII, RUBUS PHOENICOLASIUS, AND CELASTRUS ORBICULATUS

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.

SCALE: 1"=200'

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 ROTUNDIFOLIAR, AND AMPELOPSIS BREVIPEDUNCULATA. INVASIVES ARE SPREAD THROUGHOUT THE FOREST STAND AND SPECIES PRESENT INCLUDE LONICERA MAACKII, RUBUS PHOENICOLASIUS, EUONYMUS FORTUNEI, CELASTRUS ORBICULATUS, SMILAX ROTUNDIFOLIA, AND AMPELOPSIS BREVIPEDUNCULATA.



ADJACENT TO PROJECT AREA) EXISTING MAJOR CONTOUR EXISTING MINOR CONTOUR EXISTING BUILDING

SOILS BOUNDARY 业 EXISTING WETLAND

WETLAND BUFFER

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

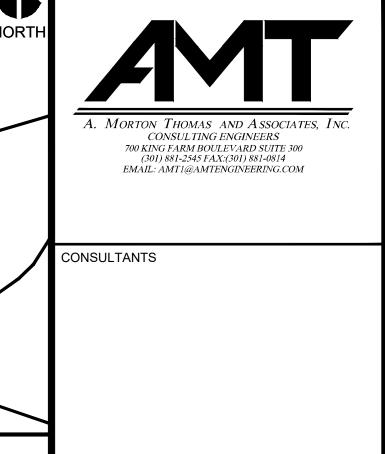
PRIORITY FOREST RETENTION AREA

NNI AREAS

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

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

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



RFP 08-25 **ADDENDUM 1**



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."

CITY OF ROCKVILLE DEPARTMENT OF RECREATION **AND PARKS** 111 MARYLAND AVENUE

ROCKVILLE, MD 20850

PROJECT TITLE

REDGATE PARK

14500 AVERY ROAD

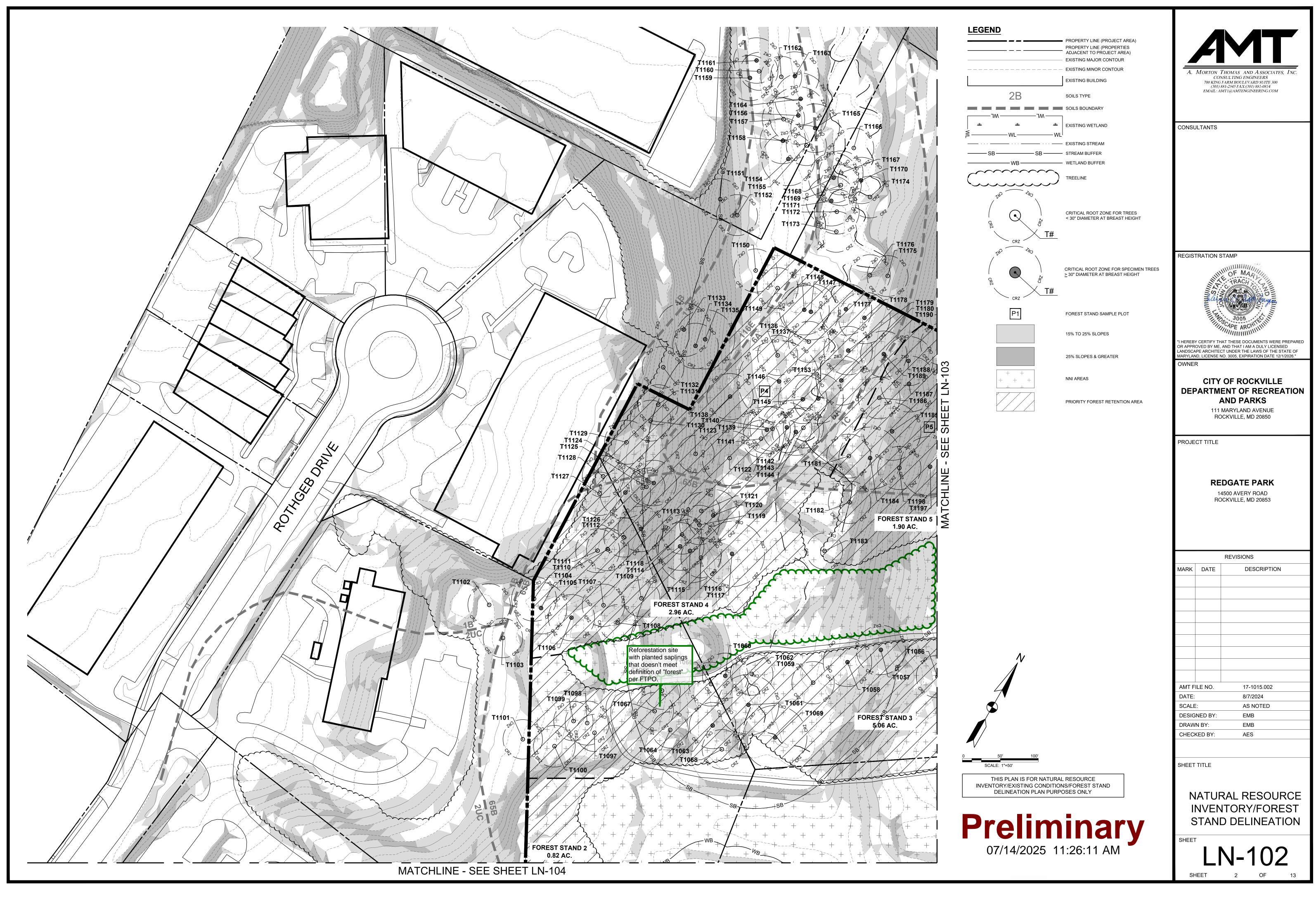
ROCKVILLE, MD 20853

REVISIONS MARK DATE DESCRIPTION

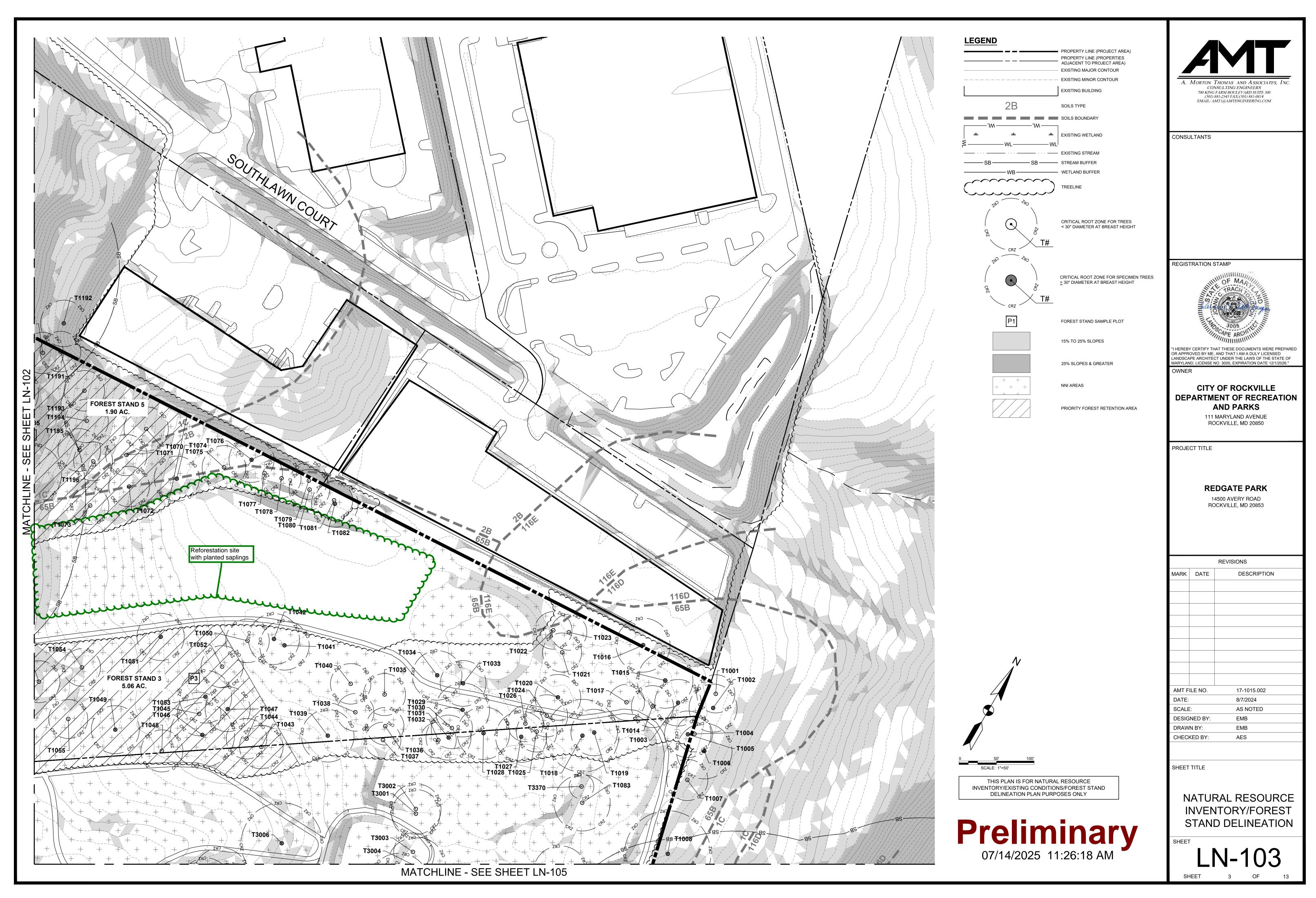
SHEET TITLE

NATURAL RESOURCE INVENTORY/FOREST STAND DELINEATION

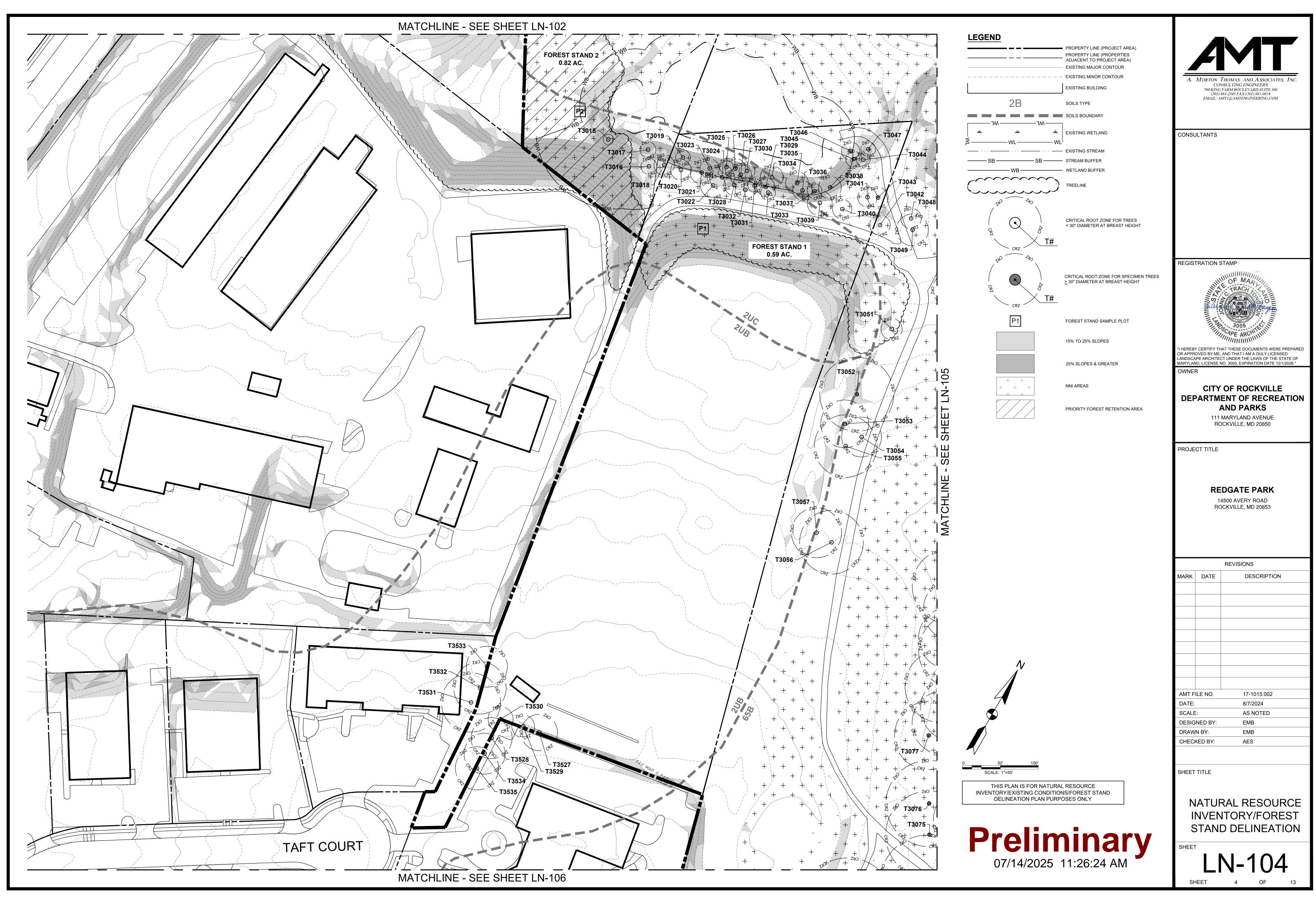
RFP 08-25
ATTACHMENT A



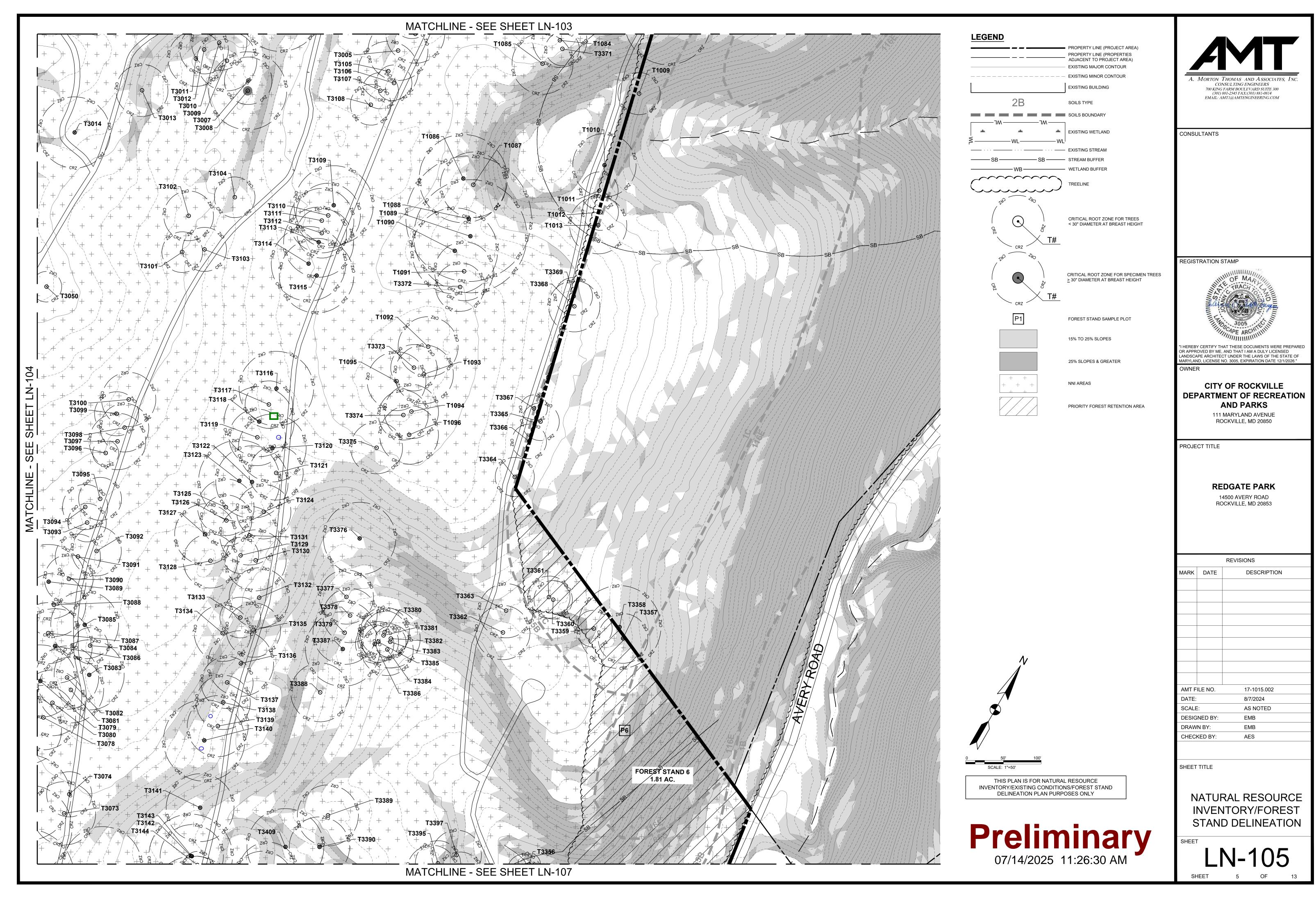
RFP 08-25 ADDENDUM 1



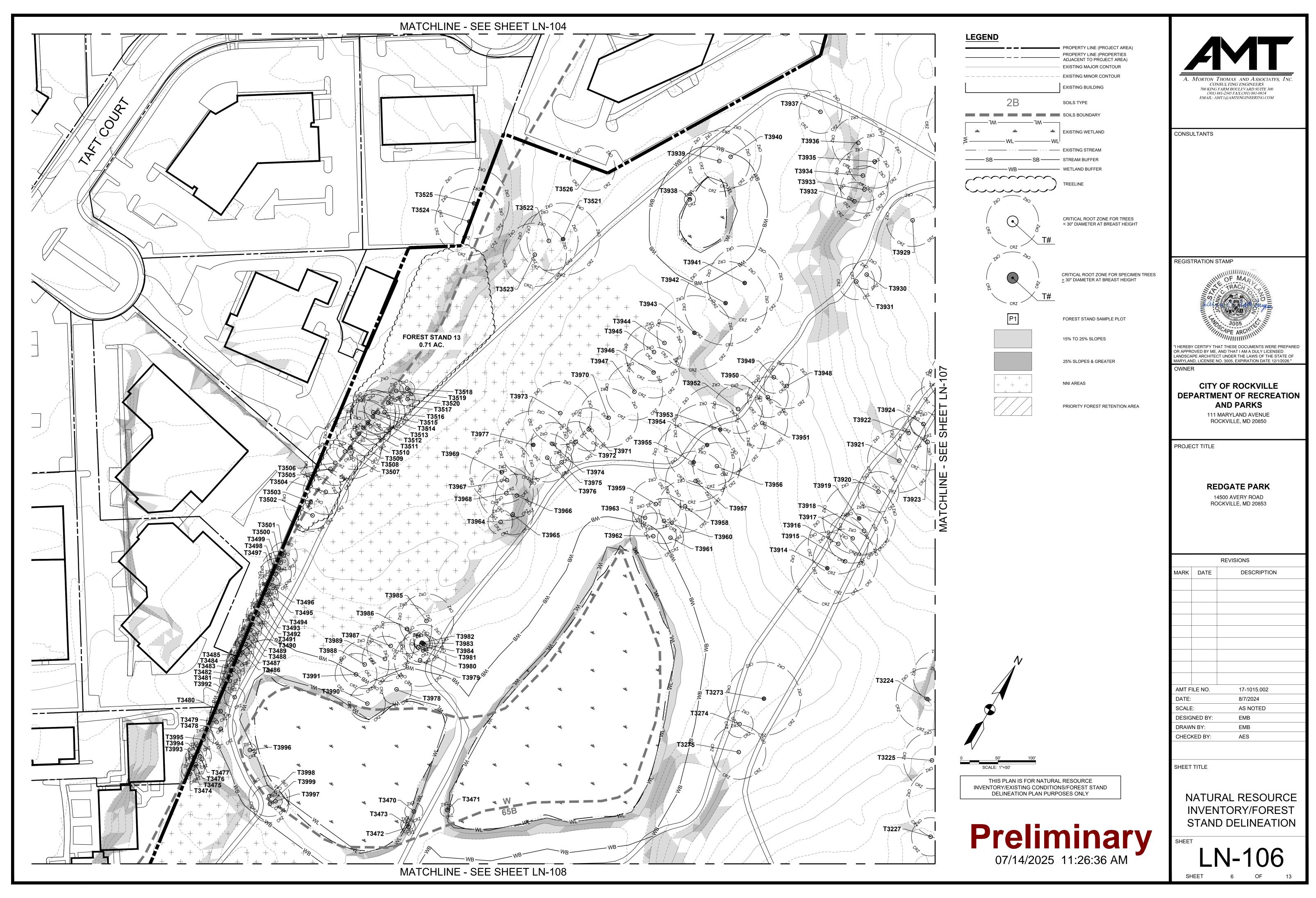
RFP 08-25 ADDENDUM 1

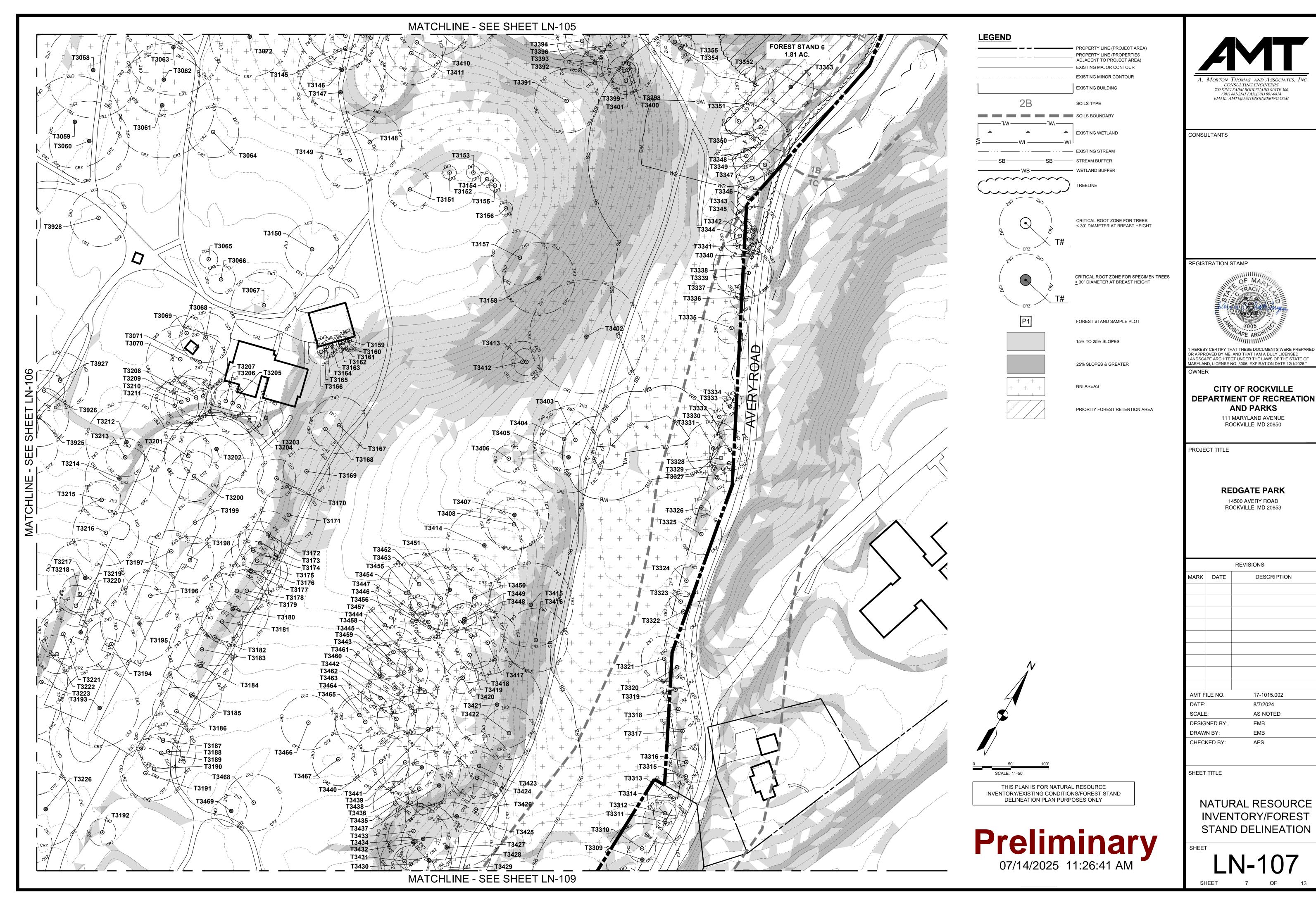


RFP 08-25
ATTACHMENT A

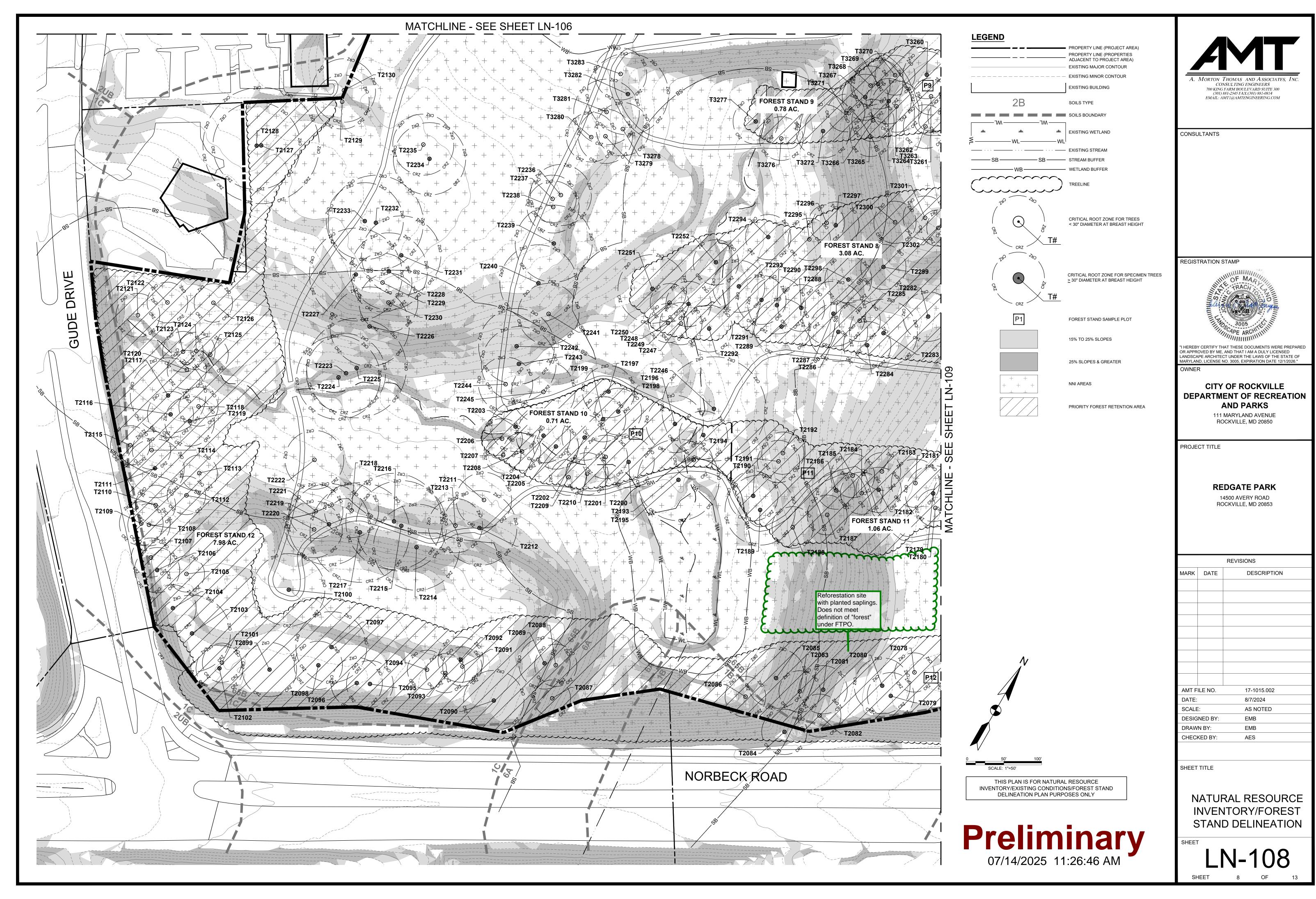


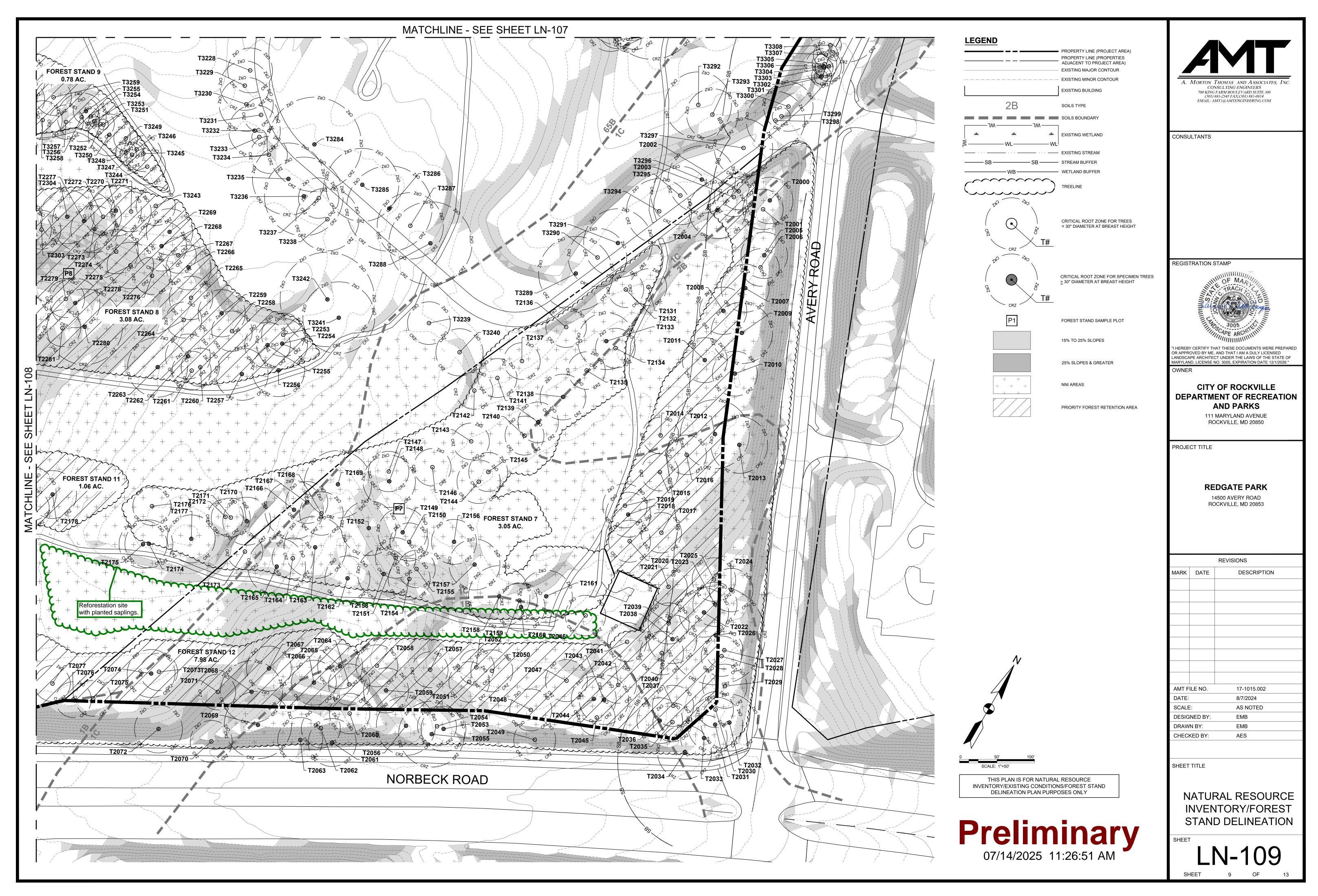
RFP 08-25 ADDENDUM 1





RFP 08-25 ADDENDUM 1





_					EE SUMN RI/FSD		
#	SCIENTIFIC NAME	COMMON NAME	рвн	Area CRZ	CTLA %	COR CTLA %	Remarks
	SETTING (NO EXISTING CF Quercus rubra	! REDIT) CRZ-1"DBH=1'RADU northern red oak	JS, SIGNI 31	FICANT>/= 24 6789	4"DBH - 91		Some broken limbs, vines on trunk
	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	31 42	6789 12463	91 88		2 trunks (18,10), broken limbs 2 trunks (11,26), vines on trunk and in canopy
1011	Prunus serotina Quercus rubra	black cherry northern red oak	25 28	4416 5539	- 69 - 97		Vines on trunk and in canopy, wet spot on trunk, some dead limbs Vines on trunk
1015	Quercus rubra	northern red oak	37 36	9672	- 88 - 91		Leaning, broken limbs Vines on trunk, broken limbs
1017	Quercus alba Quercus rubra	white oak northern red oak	24	9156 4069	84		Wound in trunk, leaking sap
	Quercus rubra Quercus rubra	northern red oak northern red oak	48.5 31	16619 6789	- 38 - 91 -		Almost dead Vines on trunk
	Quercus rubra Quercus alba	northern red oak white oak	30 .5 26	6572 4776	91 88		Vines on trunk Broken limbs, wet spot on trunk
	Quercus alba Liriodendron tulipifera	white oak tulip tree	25 24	4416 4069	94 97		Broken limbs Vines on trunk
	Quercus rubra Quercus rubra	northern red oak northern red oak	28 27	5539 5150	100 91		Leaning
	Quercus rubra Quercus rubra	northern red oak	24 34	4069 816 7	94 - 84		Broken limbs Vines on trunk, dead limbs
1028	Quercus alba Quercus alba	white oak	35 36	8655	- 69 - 88		Vines on trunk, broken leader, broken limbs Vines on trunk, leaning
1030	Quercus rubra	northern red oak	27.5	9156 5343	- _ 91		Vines on trunk
	Quercus alba Quercus alba	white oak white oak	3 0 24	6359 4069	- 94 - 78		Broken limbs Leaning, dead limbs
	Quercus rubra Quercus alba	northern red oak white oak	30.5 33	6572 7694	91 91		Some dead limbs Some dead limbs
	Quercus alba Quercus alba	white oak white oak	28 25	5539 4416	91 91		Some broken limbs Some broken limbs
	Quercus alba Quercus alba	white oak white oak	24 25	4069 4416	- 91 - 84		Broken limbs Vines on trunk, broken limbs
1039	Quercus alba Quercus rubra	white oak northern red oak	35 27	8655 5150	- 84 - 88		Vines on trunk, broken limbs Vines on trunk, broken limbs
1041	Quercus rubra	northern red oak	33	7694	84		Codominant leaders, broken limbs
1043	Quercus rubra Quercus alba	northern red oak white oak	3 4 29	5942 5150	- 88 - 88		Vines on trunk Poor form Darken Kerken vines en trunk
	Quercus montana Quercus montana	chestnut oak chestnut oak	27 29	5150 5942	- 88 - 94		Broken limbs, vines on trunk
	Quercus rubra Quercus alba	northern red oak white oak	43 30	13063 6359	84 84		2 trunks (20.5, 20) dead limbs Vines on trunk, broken limbs
	Quercus alba Quercus rubra	white oak northern red oak	28 32	5539 7235	97 88		Broken limbs Vines on trunk, broken limbs
1050	Quercus rubra Quercus rubra	northern red oak	29 31.5	5942 7010	- - 88 - 88		Vines on trunk Broken limbs
1052	Quercus alba	white oak	28 35	5539	- - - - 88		Broken limbs Vines on trunk, broken limbs
1054	Quercus alba Quercus alba	white oak white oak	25	<u>8655</u> 4416	94		
	Quercus alba Quercus alba	white oak white oak	26 28	4776 5539	- 88 - 88 -		Broken limbs Broken limbs
	Quercus alba Quercus alba	white oak white oak	32.5 32	7462 7235	94 94		Broken limbs Broken limbs
	Liriodendron tulipifera Quercus rubra	tulip tree northern red oak	28 30	5539 6359	94 88		Broken limbs, vines on trunk
	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	40 28	11304 5539	91 41		Broken limbs Almost dead
1063	Quercus rubra Liriodendron tulipifera	northern red oak tulip tree	30 .5 24	6572 4069	- 75 - 94		Leaning, codominant above dbh Broken limbs
1065	Liriodendron tulipifera	tulip tree	24.5 29	4241	91 81		Vines on trunk, broken limbs Large wound at base
1067	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	25	5942 4416	97		Large woulld at base
	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	26 42	4776 12463	- 97 - 84		Codominant leaders
	Quercus montana Quercus montana	chestnut oak chestnut oak	29.5 27.5	6148 5343	- 91 - 72		
	Quercus rubra Quercus rubra	northern red oak northern red oak	27 25	5150 4416	94 41		Almost dead
	Quercus montana Quercus rubra	chestnut oak northern red oak	30 29	6359 5942	88 78		Broken limbs Wound at base, broken limbs
	Quercus montana Quercus rubra	chestnut oak northern red oak	30 24	6359 4069	- - 88 - 91		2 trunks (16,12)
1078	Quercus rubra Quercus rubra	northern red oak northern red oak	26 25	4776 4416	- - 84 - 84		Broken limbs Broken limbs
1080	Quercus rubra	northern red oak	27	5150	- 84 - 97		Leaning, broken limbs
1082	Pinus strobus Quercus alba	eastern white pine white oak	25 31	4416 6789	84		Broken limbs
	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	24 <i>.</i> 5 29	4241 5942	100 91		Codominant above dbh
	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	26 27 <i>.</i> 5	4776 5343	84 91		Wound in base Codominant above dbh
	Acerrubrum Liriodendron tulipifera	red maple tulip tree	29.5 34	6148 8167	_ 88 _ 94		Codominant leaders above dbh, fallen tree resting between leaders
	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	30 .5 28	6572 5539	9 7 97		
1108	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	24 24.5	4069	- 84 - 81		Leaning Leaning
1110	Liriodendron tulipifera	tulip tree	28	5539	- 97 - 94		Broken limbs
1112	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	29 26	5942 4776	100		
1114	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	30 31.5	6359 7010	100		Stripped bark
	Liriodendron tulipifera Quercus rubra	tulip tree northern red oak	42 26.5	12463 4961	- 84 - 97		2 trunks (24, 15), leaning
	Acer rubrum Liriodendron tulipifera	red maple tulip tree	43 26	13063 4776	81 100		5 trunks (13, 22, 12, 5, 2)
1119	Liriodendron tulipifera Quercus alba	tulip tree white oak	26 34 .5	4776 8409	100 - 91		Broken limbs
1121	Liriodendron tulipifera	tulip tree	24.5 36	4241	- 91 - 88		2 trunks (21.5, 11), one trunk is leaning
1123	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	24.5	9156	88		2 trunks (21.5, 11), one trunk is leaning Broken limbs
1125	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	30 24.5	6359 4241	94 91		Stripped bark
	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	33.5 28.5	7929 5739	- 100 - 91		
	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	27 <i>.</i> 5 29	5343 5942	81 22		Leaning, surface roots
	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	27 26.5	5150 4961	- - - 56		Trunk has rot, surface roots Canopy mostly dead, crowded root zone
1136	Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	27 26.5	5150 4961	91 94		
1138	Liriodendron tulipifera	tulip tree	30.5	6572	- 84 - 88		Vines on trunk, growing on slope
1140	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	29.5	6789	100		
1142	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	24.5 33	7694	- 100 - 97 - 24		
	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	31 26.5	6789 4961	- 84 - 72		On edge of stream bank Wound at base, leaning
	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	32 54	7235 20602	78 25		Growing into adjacent tree Very large wounds in trunk, in decline
1147	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	37 33	9672 7694	88 81		
1149	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	27 33	5150 7694	- 88 - 81		2 trunks (11,19), one trunk leaning
1177	Liriodendron tulipifera	tulip tree	34	8167	81		-
т1/8	Quercus alba	white oak	34	8167	81		Codominant above dbh

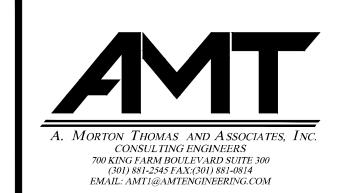
T1179	Liriodendron tulipifera	tulip tree	32	7235	81	
T1180	Quercus alba	white oak	32.5	7462	81	
T1181	Quercus alba	white oak	29	5942	88	
T1182	Liriodendron tulipifera	tulip tree	28	5539	81	2 trunks (10,14.5)
	Acer rubrum	red maple	24	4069	78	3 leaders above dbh
	Liriodendron tulipifera	tulip tree	41	11876	75	Wound in trunk, codominant above dbh
		•	38		75	Codominant above dbh, wound in trunk
	Quercus montana	chestnut oak		10202		Codominant above abii, would in trank
	Quercus alba	white oak	27.5	5343	81	
T1187	Quercus montana	chestnut oak	37	9672	59	2 trunks (21, 13), one dead leader, in decline
T1188	Quercus montana	chestnut oak	32.5	7462	81	Codominant above dbh, growing on slope
T1189	Liriodendron tulipifera	tulip tree	30.5	6572	94	
T1190	Quercus montana	chestnut oak	27.5	5343	81	Leaning
T1191	Quercus rubra	northern red oak	27	5150	81	Dead limbs
T1193	Quercus montana	chestnut oak	27	5150	81	Codominant above dbh
	Quercus alba	white oak	29	5942	94	Broken limbs
	Quercus montana	chestnut oak	28.5	5739	81	Fallen tree leaning on trunk
	Quercus montana	chestnut oak	26	4776	81	Leaning
	•					
	Quercus montana Quercus montana	chestnut oak chestnut oak	40 28.5	<u>11304</u> 5739	. 88 81	2 trunks (5,26) Leaning
LANDS	CAPE SETTING (NO EXISTI	NG CREDIT) CRZ-1"DBH=	1.5'RADIUS	S, SIGNIFICAN	T>/= 12"DBH	
	Metasequoia glyptostroboide	•	25	4416	88	Broken limbs
	Pinus strobus	eastern white pine	24	4069	84	Broken limbs
	Pinus strobus	eastern white pine	27	5150	84	Broken limbs
	Pinus strobus	eastern white pine	39	10746	75	Codominant leaders, broken limbs
	Pinus strobus Pinus strobus	·	39 29	5942		Broken limbs
		eastern white pine			81	
	Prunus serotina	black cherry	55.5	21762	78	Codominant leaders, wound in base, broken limbs
	Prunus serotina	black cherry	50	17663	72	2 trunks (30,14), 2 broken leaders, wound in base, broken limb
	Pinus strobus	eastern white pine	38	10202	84	Codominant leaders above above dbh, broken limbs
T1091	Pinus strobus	eastern white pine	26	4776	. 84	Broken limbs
T1092	Pinus strobus	eastern white pine	26.5	4961	84	Broken limbs
T1093	Pinus strobus	eastern white pine	26	4776	84	Broken limbs
T1094	Pinus strobus	eastern white pine	24	4069	84	Broken limbs
T1095	Pinus strobus	eastern white pine	26	4776	84	Broken limbs
	Pinus strobus	eastern white pine	26	4776	84	Broken limbs
	1 11/40 31/10 343	costerii Willie piire	20	17,70		5. O.C.I. III. 133
	Cuercus rubra	ABOVE northern red oak	25.5	4504	94	Some broken limbs
	Quercus rubra			4594	94	Some broken limbs
	Quercus rubra	northern red oak	32	7235		
T1004	Robinia pseudoacacia	black locust	24	4069	. 88	Large wound in base, broken limbs
T1006	Quercus rubra	northern red oak	37	9672	91	Trunk leaning, broken limbs
	Quercusrubru	northern ed oak	٠,	3072		Trank learning, Broken miles
T1007	Liriodendron tulipifera	tulip tree	27.5	5343	91	Codominant leaders above dbh, broken limbs
T1008	Liriodendron tulipifera	tulip tree	27.5	5343	91	Codominant leaders above dbh, broken limbs
T1008 T1009	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	27.5 57.5	5343 23359	91 84	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk
T1008 T1009 T1012	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum	tulip tree tulip tree white oak red maple	27.5 57.5 28 24	5343 23359 5539 4069	91 84 88 91	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy
T1008 T1009 T1012 T1013	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra	tulip tree tulip tree white oak red maple northern red oak	27.5 57.5 28 24 38	5343 23359 5539 4069 10202	91 84 88 91 97	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk
T1008 T1009 T1012 T1013 T1101	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum	tulip tree tulip tree white oak red maple northern red oak red maple	27.5 57.5 28 24 38 26	5343 23359 5539 4069 10202 4776	91 84 88 91 97 84	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh
T1008 T1009 T1012 T1013 T1101 T1102	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree	27.5 57.5 28 24 38 26 28	5343 23359 5539 4069 10202 4776 5539	91 84 88 91 97 84 81	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk
T1008 T1009 T1012 T1013 T1101 T1102 T1103	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak	27.5 57.5 28 24 38 26 28 26	5343 23359 5539 4069 10202 4776 5539 4776	91 84 88 91 97 84 81	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree
T1008 T1009 T1012 T1013 T1101 T1102 T1103	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree	27.5 57.5 28 24 38 26 28 26 27.5	5343 23359 5539 4069 10202 4776 5539 4776 5343	91 84 88 91 97 84 81 81	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy
T1008 T1009 T1012 T1013 T1101 T1102 T1103 T1132	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak	27.5 57.5 28 24 38 26 28 26 27.5 35.5	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904	91 84 88 91 97 84 81 81	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope
T1008 T1009 T1012 T1013 T1101 T1102 T1103 T1132 T1133	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak	27.5 57.5 28 24 38 26 28 26 27.5	5343 23359 5539 4069 10202 4776 5539 4776 5343	91 84 88 91 97 84 81 81	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy
T1008 T1009 T1012 T1013 T1101 T1102 T1103 T1132 T1133 T1134	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak	27.5 57.5 28 24 38 26 28 26 27.5 35.5	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904	91 84 88 91 97 84 81 81	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope
T1008 T1009 T1012 T1013 T1101 T1102 T1103 T1132 T1133 T1134 T1135	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana Quercus montana	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359	91 84 88 91 97 84 81 81 84 78	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope
T1008 T1009 T1012 T1013 T1101 T1102 T1103 T1132 T1133 T1134 T1135 T1150	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana Quercus montana Quercus montana	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359	91 84 88 91 97 84 81 81 84 78 75	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope
T1008 T1009 T1012 T1013 T1101 T1102 T1103 T1134 T1135 T1150 T1151	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus montana Quercus rubra Quercus rubra	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak northern red oak chestnut oak	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150	91 84 88 91 97 84 81 81 84 78 75 78 88	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk
T1008 T1009 T1012 T1013 T1101 T1102 T1103 T1134 T1135 T1136 T1150 T1151 T1152	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus rubra Quercus rubra Quercus montana Quercus montana Quercus montana Quercus montana	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak northern red oak thestnut oak thestnut oak thestnut oak thestnut oak thestnut oak	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150	91 84 88 91 97 84 81 81 75 78 88 69 81	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk Leaning
T1008 T1009 T1012 T1013 T1101 T1102 T1103 T1132 T1133 T1134 T1135 T1150 T1151 T1152 T1154	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus montana Quercus montana Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak northern red oak thestnut oak thestnut oak thestnut oak thestnut oak thestnut oak thestnut oak	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27 27	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150 5150 8655	91 84 88 91 97 84 81 81 75 78 78 88 69 81	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk
T1008 T1009 T1012 T1013 T1101 T1102 T1103 T1132 T1134 T1135 T1150 T1151 T1152 T1152 T1154 T1155	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus rubra Quercus montana Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus montana Liriodendron tulipifera Liriodendron tulipifera Quercus alba	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak northern red oak tulip tree tulip tree tulip tree white oak	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27 27 35 26.5	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150 5150 8655 4961	91 84 88 91 97 84 81 81 84 78 75 78 88 69 81 50 94	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk Leaning 2 trunks (20.5,11), one dead leader, in decline
T1008 T1009 T1012 T1013 T1101 T1102 T1103 T1132 T1134 T1135 T1150 T1151 T1152 T1152 T1154 T1155	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus montana Quercus montana Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak northern red oak thestnut oak thestnut oak thestnut oak thestnut oak thestnut oak thestnut oak	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27 27 35 26.5 38	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150 5150 8655 4961 10202	91 84 88 91 97 84 81 81 84 78 75 78 88 69 81 50 94	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk Leaning 2 trunks (20.5,11), one dead leader, in decline
T1008 T1009 T1012 T1013 T1102 T1103 T1132 T1133 T1134 T1135 T1150 T1151 T1152 T1155 T1155 T1156	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus rubra Quercus montana Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus montana Liriodendron tulipifera Liriodendron tulipifera Quercus alba	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak northern red oak tulip tree tulip tree tulip tree white oak	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27 27 35 26.5	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150 5150 8655 4961	91 84 88 91 97 84 81 81 84 78 75 78 88 69 81 50 94	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk Leaning 2 trunks (20.5,11), one dead leader, in decline
T1008 T1009 T1012 T1013 T1101 T1102 T1103 T1133 T1134 T1135 T1150 T1151 T1152 T1155 T1156 T1157	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus rubra Quercus montana Liriodendron tulipifera Liriodendron tulipifera Liriodendron tulipifera Quercus alba Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak northern red oak tulip tree tulip tree tulip tree tulip tree tulip tree	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27 27 35 26.5 38	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150 5150 8655 4961 10202	91 84 88 91 97 84 81 81 84 78 75 78 88 69 81 50 94	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk Leaning 2 trunks (20.5,11), one dead leader, in decline
T1008 T1009 T1012 T1013 T1101 T1102 T1133 T1134 T1135 T1150 T1151 T1155 T1155 T1156 T1157 T1158	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus montana Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak chestnut oak tulip tree tulip tree tulip tree tulip tree tulip tree tulip tree	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27 27 35 26.5 38 28	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150 5150 8655 4961 10202 5539	91 84 88 91 97 84 81 81 84 75 78 88 69 81 50 94 75	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk Leaning 2 trunks (20.5,11), one dead leader, in decline 2 trunks (12.5, 13.5),2 broken leaders 2 trunks (13,13)
T1008 T1009 T1012 T1013 T1101 T1102 T11133 T1134 T1135 T1150 T1151 T1155 T1155 T1156 T1157 T1158 T1159	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus montana Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak chestnut oak tulip tree	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27 27 35 26.5 38 28 30 30 30 30 30 30 30 30 30 30	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150 8655 4961 10202 5539 6359	91 84 88 91 97 84 81 81 84 75 78 88 69 81 50 94 75 78	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk Leaning 2 trunks (20.5,11), one dead leader, in decline 2 trunks (12.5, 13.5), 2 broken leaders 2 trunks (13,13) 2 trunks (13,15.5), 1 dead trunk 2 trunks (11, 17), wound in trunk
T1008 T1009 T1012 T1013 T1101 T1102 T1133 T1134 T1135 T1150 T1151 T1155 T1155 T1156 T1157 T1158 T1159 T1160	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus montana Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak chestnut oak tulip tree	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27 27 35 26.5 38 28 30 30 30 25	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150 8655 4961 10202 5539 6359 6359 4416	91 84 88 91 97 84 81 81 84 75 78 88 69 81 50 94 75 78 69 75	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk Leaning 2 trunks (20.5,11), one dead leader, in decline 2 trunks (12.5, 13.5), 2 broken leaders 2 trunks (13,13) 2 trunks (13,15.5), 1 dead trunk 2 trunks (11, 17), wound in trunk 2 trunks (12,12) large wound in base
T1008 T1009 T1012 T1013 T1101 T1102 T1133 T1134 T1135 T1150 T1151 T1155 T1155 T1156 T1157 T1158 T1160 T1161	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus montana Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak chestnut oak northern red oak tulip tree	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27 27 35 26.5 38 28 30 30 30 30 30 30 30 30 30 30	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150 8655 4961 10202 5539 6359 6359 4416	91 84 88 91 97 84 81 81 84 78 75 78 88 69 81 50 94 75 78 69 75 78	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk Leaning 2 trunks (20.5,11), one dead leader, in decline 2 trunks (12.5, 13.5), 2 broken leaders 2 trunks (13,13) 2 trunks (13,15.5), 1 dead trunk 2 trunks (11, 17), wound in trunk 2 trunks (12,12) large wound in base 2 trunks (13.5, 15)
T1008 T1009 T1012 T1013 T1101 T1102 T1133 T1134 T1135 T1150 T1151 T1155 T1155 T1156 T1157 T1158 T1160 T1161 T1162	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus montana Quercus montana Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak chestnut oak tulip tree	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27 27 35 26.5 38 28 30 30 25 30 27	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150 8655 4961 10202 5539 6359 6359 4416 6359 5150	91 84 88 91 97 84 81 81 84 75 78 88 69 81 50 94 75 78 69 75 78 69 75	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk Leaning 2 trunks (20.5,11), one dead leader, in decline 2 trunks (12.5, 13.5), 2 broken leaders 2 trunks (13,13) 2 trunks (13,15.5), 1 dead trunk 2 trunks (11, 17), wound in trunk 2 trunks (12,12) large wound in base
T1008 T1009 T1012 T1013 T1101 T1102 T1103 T1134 T1135 T1150 T1151 T1155 T1156 T1157 T1158 T1159 T1160 T1161 T1162 T1162 T1163	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus montana Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak chestnut oak northern red oak tulip tree	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27 27 35 26.5 38 28 30 30 25 30 27 32	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150 8655 4961 10202 5539 6359 6359 4416 6359 5150 7235	91 84 88 91 97 84 81 81 88 75 78 88 69 81 50 94 75 78 69 75 78	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk Leaning 2 trunks (20.5,11), one dead leader, in decline 2 trunks (12.5, 13.5), 2 broken leaders 2 trunks (13,13) 2 trunks (13,15.5), 1 dead trunk 2 trunks (11, 17), wound in trunk 2 trunks (12,12) large wound in base 2 trunks (13.5, 15)
T1008 T1009 T1012 T1013 T1101 T1102 T1133 T1134 T1135 T1150 T1151 T1155 T1155 T1156 T1157 T1158 T1159 T1160 T1161 T1162 T1162 T1163	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus montana Quercus montana Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak chestnut oak tulip tree	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27 27 35 26.5 38 28 30 30 25 30 27	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150 8655 4961 10202 5539 6359 6359 4416 6359 5150	91 84 88 91 97 84 81 81 84 78 75 78 88 69 81 50 94 75 78 69 75 53 81 81 75 75	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk Leaning 2 trunks (20.5,11), one dead leader, in decline 2 trunks (12.5, 13.5), 2 broken leaders 2 trunks (13,13) 2 trunks (13,15.5), 1 dead trunk 2 trunks (11, 17), wound in trunk 2 trunks (12,12) large wound in base 2 trunks (13.5, 15)
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T1008 T1009 T1012 T1013 T1101 T1102 T1103 T1134 T1135 T1150 T1151 T1155 T1156 T1157 T1158 T1160 T1161 T1162 T1163 T1164 T1165 T1166 T1167 T1168 T1169 T1170	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus rubra Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus montana Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak chestnut oak tulip tree	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27 27 35 26.5 38 28 30 25 30 27 32 34 32 26.5 29 33 27	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150 8655 4961 10202 5539 6359 4416 6359 5150 7235 8167 7235 4961 5942 7694 5150	91 84 88 91 97 84 81 81 84 78 75 78 88 69 81 50 94 75 78 69 75 53 81 81 75 75 75 75 75	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk Leaning 2 trunks (20.5,11), one dead leader, in decline 2 trunks (13.15.5), 1 dead trunk 2 trunks (13,15.5), 1 dead trunk 2 trunks (11, 17), wound in trunk 2 trunks (12,12) large wound in base 2 trunks (13.5, 15) 2 trunks (13,12)
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T1008 T1009 T1012 T1013 T1101 T1102 T1103 T1134 T1135 T1150 T1151 T1155 T1156 T1157 T1158 T1160 T1161 T1162 T1163 T1164 T1165 T1166 T1167 T1168 T1169 T1170 T1171	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus montana Quercus montana Quercus montana Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak chestnut oak chestnut oak tulip tree	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27 27 35 26.5 38 28 30 20 27 32 34 32 26.5 29 33 27 30.5 33	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150 8655 4961 10202 5539 6359 4416 6359 5150 7235 8167 7235 4961 5942 7694 5150 6572 7694 6148	91 84 88 91 97 84 81 81 84 78 75 78 88 69 81 50 94 75 78 69 75 75 75 75 75 78 38 75	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk Leaning 2 trunks (20.5,11), one dead leader, in decline 2 trunks (13,13) 2 trunks (13,15.5), 1 dead trunk 2 trunks (11, 17), wound in trunk 2 trunks (12,12) large wound in base 2 trunks (13.5, 15) 2 trunks (13,12) 4 trunks (14, 4, 14.5, 6), 1 dead trunk Large wound in trunk On edge of stream bank Wound in trunk Leaning, in decline
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T1008 T1009 T1012 T1013 T1101 T1102 T1103 T1134 T1135 T1150 T1151 T1155 T1156 T1157 T1158 T1160 T1161 T1162 T1163 T1164 T1165 T1166 T1167 T1168 T1167 T1168 T1169 T1170 T1171 T1172 T1173 T1174	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus montana Quercus montana Quercus montana Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak chestnut oak chestnut oak tulip tree	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27 27 35 26.5 38 28 30 25 30 27 32 34 32 26.5 29 33 27 30.5 33 29.5 27 27.5	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150 8655 4961 10202 5539 6359 6359 4416 6359 5150 7235 8167 7235 4961 5942 7694 5150 6572 7694 6148 5150 5343	91 84 88 91 97 84 81 81 84 78 75 78 88 69 81 50 94 75 78 69 75 53 81 81 75 75 75 75 75 75 75 75 75 75 75 75 75	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk Leaning 2 trunks (20.5,11), one dead leader, in decline 2 trunks (12.5, 13.5), 2 broken leaders 2 trunks (13,13) 2 trunks (13,15.5), 1 dead trunk 2 trunks (11, 17), wound in trunk 2 trunks (12,12) large wound in base 2 trunks (13.5, 15) 2 trunks (13,12) 4 trunks (14, 4, 14.5, 6), 1 dead trunk Large wound in trunk On edge of stream bank Wound in trunk Leaning, in decline
T1008 T1009 T1012 T1013 T1101 T1102 T1103 T1134 T1135 T1150 T1151 T1155 T1156 T1157 T1158 T1160 T1161 T1162 T1163 T1164 T1165 T1166 T1167 T1168 T1167 T1168 T1169 T1170 T1171 T1172 T1173 T1174 T1175	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus montana Quercus montana Quercus montana Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak chestnut oak chestnut oak tulip tree	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27 27 35 26.5 38 28 30 27 32 34 32 26.5 29 33 27 30.5 33 29.5 27 27.5 27	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150 8655 4961 10202 5539 6359 4416 6359 5150 7235 8167 7235 4961 5942 7694 5150 6572 7694 6148 5150 5343 5150	91 84 88 91 97 84 81 81 84 78 75 78 88 69 81 50 94 75 78 69 75 53 81 81 75 75 75 75 75 75 75 75 75 75 75 75 88 88 89 75 89 75 75 89 75 89 75 89 75 89 75 89 75 89 75 89 75 89 75 89 75 89 75 75 75 75 75 75 75 75 75 75 75 75 75	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk Leaning 2 trunks (20.5,11), one dead leader, in decline 2 trunks (12.5, 13.5), 2 broken leaders 2 trunks (13,13) 2 trunks (13,13) 5 trunks (11,17), wound in trunk 2 trunks (11,17), wound in trunk 2 trunks (12,12) large wound in base 2 trunks (13.5, 15) 2 trunks (13,12) 4 trunks (14, 4, 14.5, 6), 1 dead trunk Large wound in trunk On edge of stream bank Wound in trunk Leaning, in decline On edge of stream bank Growing on edge of stream bank
T1008 T1009 T1012 T1013 T1102 T1103 T1132 T1133 T1134 T1150 T1151 T1155 T1156 T1157 T1158 T1160 T1161 T1162 T1163 T1164 T1165 T1166 T1167 T1168 T1167 T1168 T1167 T1168 T1170 T1171 T1172 T1173 T1174 T1175 T1176	Liriodendron tulipifera Liriodendron tulipifera Quercus alba Acer rubrum Quercus rubra Acer rubrum Liriodendron tulipifera Quercus montana Quercus montana Quercus montana Quercus montana Quercus montana Quercus montana Liriodendron tulipifera	tulip tree tulip tree white oak red maple northern red oak red maple tulip tree northern red oak tulip tree chestnut oak chestnut oak chestnut oak chestnut oak tulip tree	27.5 57.5 28 24 38 26 28 26 27.5 35.5 30 39 28.5 27 27 35 26.5 38 28 30 25 30 27 32 34 32 26.5 29 33 27 30.5 33 29.5 27 27.5	5343 23359 5539 4069 10202 4776 5539 4776 5343 8904 6359 10746 5739 5150 8655 4961 10202 5539 6359 6359 4416 6359 5150 7235 8167 7235 4961 5942 7694 5150 6572 7694 6148 5150 5343	91 84 88 91 97 84 81 81 84 78 75 78 88 69 81 50 94 75 78 69 75 53 81 81 75 75 75 75 75 75 75 75 75 75 75 75 75	Codominant leaders above dbh, broken limbs Codominant leaders, vines on trunk Vines on trunk and in canopy Barbed wire on trunk, leaning Vines on trunk Codominant above dbh Roots and base growing into adjacent tree Crowded root zone, stunted canopy Leaning, growing on slope Leaning, growing on slope Large wound in trunk, growing on slope Roots crowded by boulders, wounds in trunk Leaning 2 trunks (20.5,11), one dead leader, in decline 2 trunks (12.5, 13.5), 2 broken leaders 2 trunks (13,13) 2 trunks (13,15.5), 1 dead trunk 2 trunks (11, 17), wound in trunk 2 trunks (12,12) large wound in base 2 trunks (13.5, 15) 2 trunks (13.12) 4 trunks (14, 4, 14.5, 6), 1 dead trunk Large wound in trunk On edge of stream bank Wound in trunk Leaning, in decline On edge of stream bank

				SIGNIFICANT	TREES	UMMAF	RY CHART					
NRI/FSD												
#	SCIENTIFIC NAME	COMMON NAME	рвн	Area CRZ	CTLA %	COR CTLA %	Remarks					
FOREST	OREST SETTING (NO EXISTING CREDIT) CRZ-1"DBH=1'RADUS, SIGNIFICANT>/= 24"DBH											
Γ2002	Quercus rubra	northern red oak	24.5	4241	100							
Г2003	Quercus rubra	northern red oak	26	4776	84							
Γ2004	Quercus rubra	northern red oak	38	10202	91		2 trunks (20, 16)					
Γ2008	Quercus rubra	northern red oak	31.5	7010	91		Surface roots					
Γ2011	Quercus rubra	northern red oak	30	6359	69		Smaller tree growing into trunk					
Γ2012	Liriodendron tulipifera	tulip tree	46	14950	88		2 trunks (25,18)					
Γ2014	Quercus alba	white oak	24.5	4241	94							
Γ2015	Quercus rubra	red oak	25	4416	91							
Г2016	Liriodendron tulipifera	tulip tree	26.5	4961	72		Codominant above dbh, adjacent dead tree resting between leaders, stripped bark					
Γ2017	Liriodendron tulipifera	tulip tree	27	5150	94		Broken limbs					
Γ2018	Quercus rubra	northern red oak	30	6359	88		Poison ivy on trunk, surface roots					
Г2019	Quercus rubra	northern red oak	29.5	6148	88		Fungus on trunk					
Г2020	Quercus macrocarpa	bur oak	28	5539	81		Leaning, dead limbs					
Γ2021	Acer rubrum	red maple	25	4416	88		Broken limbs					
Γ2022	Quercus rubra	northern red oak	33	7694	97							
Г2023	Quercus rubra	northern red oak	29.5	6148	75		Girdled roots					
Г2025	Liriodendron tulipifera	tulip tree	29	5942	94							
	Liriodendron tulipifera	tulip tree	66	30775	81		3 trunks (30,19,26.5), 4 leaders above dbh					
	Quercus rubra	northern red oak	26	4776	75		Wound in trunk					
	Quercus rubra	northern red oak	30.5	6572	88		Vines on trunk					
	Quercus rubra	northern red oak	27.5	5343	88		Epicormic growth					
	Quercus rubra	northern red oak	32.5	7462	88							
	Quercus alba	white oak	27.5	5343	94							
	Quercus rubra	northern red oak	29	5942	78							
	Quercus alba	white oak	26	4776	25		Wound in trunk, vines on trunk, in decline					
	Quercus rubra	northern red oak	24.5	4241	84		Wounds in trunk					
	Quercus alba	white oak	33	7694	81		Surface roots, codominant above dbh					
	Quercus rubra	northern red oak	30	6359	81		Surface roots, wound in roots					
	Quercus palustris	pin oak	24.5	4241	84		Surface roots, vines on trunk					
	Quercus palustris	pin oak	27	5150	75		Surface roots, large wound in trunk					
	Quercus rubra	northern red oak	28	5539	78		Poison ivy on trunk, epicormic growth					
	Quercus rubra	northern red oak	28	5539	81		Vines on trunk, broken limbs					
	Quercus rubra	northern red oak	28	5539	78		Vines on trunk, epicormic growth, broken limbs					
	Quercus palustris	pin oak	27	5150	81		Vines on trunk, surface roots					
	Quercus rubra	northern red oak	24	4069	81		Vines on trunk, epicormic growth					
	Quercus rubra	northern red oak	24	4069	81		Vines on trunk, broken limbs					
	Liriodendron tulipifera	tulip tree	28	5539	88		Vines in trunk and in canopy					
	Liriodendron tulipijera	tulip tree	30	6359	81		Vines on trunk					
	Liriodendron tulipifera	•	27.5	5343	81		Vines on trunk					
	Liriodenaron tulipijera Liriodendron tulipijera	tulip tree	30	6359	81		Vines on trunk and in canopy					
12003	Entouenation tumpijeta	tulip tree	30	0333	01		vines on crank and in canopy					

	Tilia cordata Fagus grandifolia	littleleaf linden American beech	30 30	6359 6359	72 81	Vines on trunk and in canopy, leaning Codominant above dbh, vines on trunk, surface roots
2068	Liriodendron tulipifera	tulip tree	41.5	12168	75	Codominant above dbh, surface roots, vines on trunk
	Quercus alba Prunus serotina	white oak black cherry	24 25	4069 4416	75 88	Leaning, growing on slope, epicormic growth, vines on trunk Vines on trunk
	Quercus rubra	northern red oak	32	7235	88	Vines on trunk
2075	Prunus serotina	black cherry	24	4069	81	Vines on trunk, broken limbs
	Prunus serotina	black cherry	24	4069	25	Covered in vines, in decline
2077 2078	Quercus alba Quercus rubra	white oak northern red oak	24 26	4069 4776	81 94	Broken limbs, vines on trunk Broken limbs
	Quercus palustris	pin oak	31	6789	88	Leaning
	Quercus rubra	northern red oak	37	9672	81	Codominant above dbh, surface roots
2 081 2082	Quercus montana Quercus palustris	chestnut oak pin oak	32 28.5	7235 5739	81 81	Growing on slope, codominant above dbh Girdled roots, growing on slope, broken limbs
	Quercus alba	white oak	27.5	5343	81	Codominant above dbh, growing on slope
2085	Fagus grandifolia	American beech	40	11304	81	2 trunks (20.5, 17), surface roots, growing on slope
2086	Quercus alba	white oak	27	5150	81	Vines on trunk, epicormic growth
2087	Fagus grandifolia Quercus palustris	American beech pin oak	24.5 28	4241 5539	81 88	Surface roots, growing on slope Vines on trunk and in canopy
	Quercus marilandica	blackjack oak	34	8167	66	Epicormic growth
	Quercus alba	white oak	40	11304	88	2 trunks (20, 18), broken limbs
	Quercus alba Quercus alba	white oak white oak	26 30	4776 6359	88 88	Vines on trunk Vines on trunk, leaning
	Quercus alba	white oak	25	4416	81	Broken limbs, vines on trunk
2094	Quercus alba	white oak	26	4776	88	Leaning
	Quercus palustris	pin oak	31	6789	66	2
	Acer rubrum Quercus palustris	red maple pin oak	34 47	8167 15607	59 81	3 trunks (8.5, 18, 11), dead leader, surface roots, leaning 2 trunks (14, 28), vines on trunk, broken limbs
	Quercus palustris	pin oak	32	7235	88	Fungus on trunk
2099	Quercus rubra	northern red oak	36	9156	75	Crowded by adjacent tree
	Quercus palustris	pin oak 	26	4776	81	Crowded by adjacent tree, broken limbs
	Acer rubrum Quercus alba	red maple white oak	31 51	6789 18376	66 72	4 trunks (7.5, 8, 14.5, 10), one dead leader, epicormic growth 2 trunks (33, 7), broken limbs
	Quercus palustris	pin oak	31	6789	72	Broken limbs
2105	Acer rubrum	red maple	24	4069	78	Leaning, epicormic growth
	Quercus rubra	northern red oak	30	6359	72	Wound in trunk, broken limbs
2107 2108	Quercus alba Quercus rubra	white oak northern red oak	26 28	4776 5539	81 94	Vines on trunk Broken limbs
2108	Quercus rubra	northern red oak	29	5942	94	Broken limb
2110	Quercus rubra	northern red oak	26.5	4961	88	Girdled roots, broken limbs
	Quercus palustris	pin oak	39	10746	81	Vines on trunk, broken limbs
2112	Quercus palustris	pin oak	25.5	4594	88	Leaning Girdled roots leaning
2113	Quercus palustris Quercus rubra	pin oak northern red oak	24 25.5	4069 4594	75 72	Girdled roots, leaning Leaning, wound in trunk
	Quercus rubra	northern red oak	26	4776	81	Vines on trunk, surface roots
	Liriodendron tulipifera	tulip tree	30.5	6572	88	Wound in trunk
2117	Liriodendron tulipifera	tulip tree	50	17663	25	2 trunks (17, 29), large wound in trunk and hollow base, in decli
2118	Quercus alba	white oak	26	4776	88	Insect damage on trunk, broken limbs
	Acer rubrum	red maple	33	7694	81	4 trunks (10, 15, 11, 5), epicormic growth, surface roots
2120	Liriodendron tulipifera Liriodendron tulipifera	tulip tree	26 29	4776 5942	88 81	Wound at base, on edge of stream Leaning, broken limbs
2121	Liriodendron tulipijera	tulip tree tulip tree	27	5150	100	Econing, protein initia
2123	Liriodendron tulipifera	tulip tree	27	5150	81	Vines on trunk
2124	Liriodendron tulipifera	tulip tree	25	4416	69	Growing on edge of stream, leaning
2125	Liriodendron tulipifera	tulip tree	24	4069	69	Growing on edge of stream, hollow at base
	Prunus serotina	black cherry	25.5 77	4594	88	Vines on trunk 2 trunks (35, 38), vines on trunk, broken limbs
	Liriodendron tulipifera Liriodendron tulipifera	tulip tree tulip tree	7 / 58	41888 23767	81 81	3 trunks (23, 23, 21), vines on trunk, broken limbs
	Quercus alba	white oak	24.5	4241	88	Compacted root zone, broken limbs
	Quercus rubra	northern red oak	24	4069	75	Compacted root zone, broken limbs
2133	Quercus rubra	northern red oak	38	10202	81	Codominant above dbh, surface roots, dead limbs
2134	Quercus rubra	northern red oak	26.5	4961	88	Compacted root zone, fungus on base, dead limbs
2135	Quercus rubra	northern red oak	25	4416	72	Fungus on trunk, dead limbs Fungus at base, dead limbs
Γ2136 Γ2137	Quercus rubra Prunus serotina	northern red oak black cherry	27 24.5	5150 4241	78 88	Dead limbs
	Quercus palustris	pin oak	30.5	6572	78	Girdled roots, crowded by adjacent tree, broken limbs
2139	Quercus alba	white oak	27	5150	81	Vines on trunk. Broken limbs
2140	Quercus alba	white oak	26	4776	81	Vines on trunk, broken limbs
2141	Quercus alba	white oak	26	4776	91	Vines on trunk, broken limbs
2142	Quercus alba Quercus alba	white oak white oak	25 24.5	4416	75 88	Vines on trunk and in canopy, broken limbs Vines on trunk
2143 2144	Quercus aiba Quercus rubra	northern red oak	29	5942	75	Covered in vines
2145	Quercus rubra	northern red oak	26	4776	78	Vines on trunk, dead limbs
	Quercus alba	white oak	25	4416	81	Vines on trunk, epicormic growth
	Liriodendron tulipifera	tulip tree	27	5150	81	Vines on trunk
	Quercus rubra	northern red oak	35	8655	81	Broken limbs, vines on trunk
	Quercus palustris Fagus grandifolia	pin oak American beech	33 25.5	7 694 4594	88 81	Vines on trunk Broken limbs, surface roots
	Fagus granaifolia Quercus rubra	northern red oak	25.5 27	5150	84	Vines on trunk
	Quercus rubra	northern red oak	36.5	9412	75	Wound in trunk. Broken limbs
	Quercus rubra	northern red oak	34.5	8409	78	Vines on trunk, leaning
	Quercus alba	white oak	28	5539	81	Broken limbs
	Liriodendron tulipifera Fagus grandifolia	tulip tree American beech	25 30	4416 6359	94 75	Surface roots, carving in trunk
	Quercus rubra	northern red oak	34	8167	81	Vines on trunk, broken limbs
	Quercus rubra	northern red oak	41	11876	66	Boulder on roots, leaning, vines on trunk, fungus on trunk
2159	Prunus serotina	black cherry	24	4069	81	Vines on trunk
	Quercus rubra	northern red oak	32	7235	81	Vines on trunk
	Quercus rubra	northern red oak	35 30	8655	81	Vines on trunk Vines on trunk, dead limbs
	Acer rubrum Liriodendron tulipifera	red maple tulip tree	30 41.5	6359 12168	81 81	vines on trunk, dead limbs Vines on trunk, codominant above dbh
	Liriodendron tulipifera	tulip tree	27.5	5343	88	Broken limbs
	Quercus rubra	northern red oak	38.5	10472	81	Vines on trunk
	Acer rubrum	red maple	39	10746	66	Girdled roots, wound in base, broken limbs, vines on trunk
	Prunus serotina	black cherry	28	5539	72 75	Vines on trunk, broken limbs
	Quercus alba Acer rubrum	white oak	29 46	5942 14950	75 81	Vines on trunk, broken limbs 2 trunks (20.5, 23), vines on trunk, broken limbs, leaning
	Quercus montana	red maple chestnut oak	32	7235	81	Dead limbs
	Fagus grandifolia	American beech	26	4776	81	2 trunks (10.5, 14), surface roots
	Quercus rubra	northern red oak	24	4069	81	Vines on trunk
2173	Liriodendron tulipifera	tulip tree	24	4069	81	Vines on trunk, broken limbs
	Quercus rubra	northern red oak	32	7235	81	Broken limbs, vines on trunk
	Quercus rubra	northern red oak	32	7235	81	Broken limbs, vines on trunk
2175	Pinus strobus	eastern white pine northern red oak	25.5 32	7235	81 81	Broken limbs, vines on trunk Broken limbs, vines on trunk
2175 2176	() Prciis riihra	northern red oak	32	7235	75	Broken limbs, vines on trunk
2175 2176 2 177	Quercus rubra Quercus rubra	HOLUIGH LEU DAK			81	Broken limbs, vines on trunk
2175 2176 2177 2178		northern red oak	37	9672	0.1	·
2175 2176 2177 2178 2179	Quercus rubra			9672 4416	81	Broken limbs, vines on trunk
72175 72176 72177 72178 72179 72180	Quercus rubra Quercus rubra Quercus rubra Quercus alba	northern red oak northern red oak white oak	37 25 25	4416 4416	81 81	Broken limbs, vines on trunk Broken limbs, vines on trunk
2175 2176 2177 2178 2179 2180 2181 2182	Quercus rubra Quercus rubra Quercus rubra Quercus alba Quercus rubra	northern red oak northern red oak white oak northern red oak	37 25 25 30	4416 4416 6359	81 81 69	Broken limbs, vines on trunk Broken limbs, vines on trunk Broken limbs, vines on trunk, fungus on trunk
2175 2176 2177 2178 2179 2180 2181 2182	Quercus rubra Quercus rubra Quercus rubra Quercus alba	northern red oak northern red oak white oak	37 25 25	4416 4416	81 81	Broken limbs, vines on trunk Broken limbs, vines on trunk

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





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."

CITY OF ROCKVILLE
DEPARTMENT OF RECREATION
AND PARKS
111 MARYLAND AVENUE

ROCKVILLE, MD 20850

PROJECT TITLE

REDGATE PARK

14500 AVERY ROAD
ROCKVILLE, MD 20853

MARK	DATE	DESCRIPTION

REVISIONS

IT FILE NO.	17-1015.002
ATE:	8/7/2024
CALE:	AS NOTED
SIGNED BY:	EMB
RAWN BY:	EMB
IECKED BY:	AES
-	

SHEET TITLE

NATURAL RESOURCE INVENTORY/FOREST STAND DELINEATION

SHEET

LN-110
SHEET 10 OF 13

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Acer rubrum	
Accer rubrum red maple 34 6.55.91 81 Vines on trunk, wound in trunk Accer rubrum red maple 34 8.16.7 81 Vines on trunk, braken imbs Liriodendron tulipidran tulip tree 30 6.35.9 72 Vines on trunk, braken imbs Liriodendron tulipidran tulip tree 38 6.95.9 6 Leaning, wise on trunk, broken limbs Accer rubrum ed maple 30 6.35.9 6 Leaning, wise on trunk, broken limbs Accer rubrum ed maple 30 6.35.9 6 Leaning, wise on trunk, wound in trunk, broken limbs Accer rubrum tulip tree 24 4.069.8 81 broken limbs Liriodendron tulipidra tulip tree 28 5.539 66 Codeminant beaw dish, win ean trunk and in cannoy Liriodendron tulipidra tulip tree 28 5.539 69 Vines on trunk, troken limbs Liriodendron tulipidra tulip tree 28 5.539 69 Vines on trunk, troken limbs Liriodendron tulipidra tulip tree <t< td=""><td></td></t<>	
Acer rubrum	
Liriodendron tulipifera Lulip tree 38 6359 72 Vines on trunk, dead limbs	
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Quercus palustris pin oak 25 4416 81 Vines on trunk, broken limbs	
Quercus rubranorthern red oak24406925Broken limbs, in declineLiriodendron tulipiferatulip tree26477681Vines on trunk	
Liriodendron tulipifera tulip tree 35 8655 75 Growing on slope	
Acer rubrum red maple 37 9672 69 15 trunks (3, 4.5, 6, 7, 8, 5, 10, 5.5, 5, 6, 6, 7.5, 3, 7, 8.5), epi	cormic gro
Acer rubrum red maple 44 13678 69 6 trunks (7.5, 11.5, 15, 15, 10, 11.5) 6 Quercus alba white oak 35 8655 81 Vines on trunk, broken limbs	
Prunus serotina black cherry 41 11876 81 2 trunks (20, 18.5), vines on trunk and in canopy, broken limbs	
<i>Quercus rubra</i> northern red oak 34 8167 72 Vines on trunk, broken limbs	
Quercus rubranorthern red oak26477672Vines on trunk, broken limbsQuercus albawhite oak26477666Vines on trunk, broken limbs	
. Quercus rubra northern red oak 35 8655 81 Vines on trunk	
Acer rubrum red maple 42 12463 81 2 trunks (18.5, 21), vines on trunk, broken limbs	
A Quercus rubra northern red oak 34 8167 81 Vines on trunk A Metasequoia glyptostrobo dawn redwood 32 7235 88 Vines on trunk	
Picea abies Norway spruce 27 5150 81 Vines on trunk	
Pinus strobus eastern white pine 27 5150 81 Broken limbs Pinus strobus eastern white pine 21 3116 81 Broken limbs	
Pinus strobuseastern white pine21311681Broken limbsPinus strobuseastern white pine23373781Broken limbs	
Pinus strobus eastern white pine 34 8167 66 Broken limbs, vines on trunk	
Overcus natustris pin oak 27 5150 81 Broken limbs	
Quercus palustris pin oak 27 5150 81 Broken limbs	
Liriodendron tulipifera tulip tree 33.5 7929 81 Wound in trunk	
Liriodendron tulipifera tulip tree 33.5 7929 81 Wound in trunk Liriodendron tulipifera tulip tree 33 7694 81 Vines on trunk Acerrubrum red maple 24 4069 66 Wound in trunk, dead limbs	

28 5539 81

46 14950 84 Broken limbs

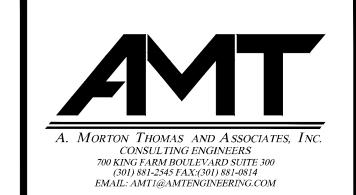
T2246 Liriodendron tulipifera tulip tree

T2000 Quercus rubra	northern red oak	31	6789	72	Codominant above dbh, one dead leader
「2001 Quercus rubra	northern red oak	27	5150	94	
T2005 Quercus palustris	pin oak	31	6789	88	Crowded root zone
T2006 Quercus montana	chestnut oak	25	4416	91	Trunk leaning at top
T2007 Quercus alba	white oak	32	7235	91	Surface roots
T2009 Quercus rubra	northern red oak	41	11876	81	Codominant above dbh
T2010 Liriodendron tulipifera	tulip tree	30	6359	94	Surface roots
T2013 Liriodendron tulipifera	tulip tree	38	10202	78	
T2024 Liriodendron tulipifera	tulip tree	29	5942	75	Wounds in trunk, leaking sap
T2027 Liriodendron tulipifera	tulip tree	25	4416	88	Leaning
T2028 Liriodendron tulipifera	tulip tree	27	5150	94	
T2029 Quercus rubra	northern red oak	29.5	6148	88	Surface roots
T2030 Quercus rubra	northern red oak	24	4069	84	Adjacent tree growing into roots
T2031 Quercus alba	white oak	37	9672	78	2 trunks (11, 22), stripped bark, dead trunk resting between leaders
T2032 Acerrubrum	red maple	38	10202	75	2 trunks (23, 10)
T2033 Liriodendron tulipifera	tulip tree	31	6789	75	Leaning, wound in trunk
T2034 Quercus rubra	northern red oak	36	9156	78	2 trunks (16,18), vines on trunk
T2049 Liriodendron tulipifera	tulip tree	28	5539	81	Vines on trunk, broken limbs
T2053 Liriodendron tulipifera	tulip tree	30	6359	78	Root zone crowded by adjacent tree, vines on trunk, broken limbs
T2054 Quercus rubra	northern red oak	26	4776	78	Vines on trunk, wounds in trunk
T2055 Acerrubrum	red maple	44	13678	59	4 trunks (10.5, 15, 16, 16), dead leader, vines on trunk
T2056 Quercus montana	chestnut oak	39.5	11023	81	Codominant above dbh
T2060 Liriodendron tulipifera	tulip tree	27	5150	78	Vines on trunk, poor form
T2061 Liriodendron tulipifera	tulip tree	32	7235	75	Vines on trunk and in canopy, growing on slope
T2062 Liriodendron tulipifera	tulip tree	26	4776	75	Large wound in trunk, vines on trunk, growing on slope
T2063 Liriodendron tulipifera	tulip tree	30	6359	53	Poor form, large wound in trunk, vines on trunk, growing on slope
T2069 Liriodendron tulipifera	tulip tree	45	14307	81	2 trunks (21, 21.5), vines on trunk
T2070 Liriodendron tulipifera	tulip tree	28	5539	81	Growing on slope, vines on trunk
T2072 Quercus rubra	northern red oak	32	7235	81	Growing on slope
T2084 Liriodendron tulipifera	tulip tree	30	6359	81	Vines on trunk and in canopy, dead limbs, growing on slope
T2130 Pinus strobus	eastern white pine	28	5539	88	Vines on trunk, broken limbs

			3	IGNIFICANT	NRI/FSD		
					NKI/FSD		
#	SCIENTIFIC NAME	COMMON NAME	DBH	Area CRZ	CTLA %	COR CTLA %	Remarks
	T SETTING (NO EXISTING C	REDIT) CRZ-1"DBH=1'RADU Norway spruce	S, SIGNIF	FICANT>/= 24 1385	1"DBH 95		
	Quercus alba	white oak	26	4776	- 97		Virginia creeper on trunk, pavement in crz
T3244	Quercus alba	white oak	24.5	4241	84		Walkway in crz, poison on the trunk, lopsided branching
	Acerrubrum	red maple	24 -	4069	- 84		Multi trunk (17.5, 17), paving in crz
	Quercus rubra Quercus alba	northern red oak white oak	16 14	1809 1385	. 88 94		Poison ivy and Virginia creeper on trunk, lopsided branching, crowded crz Crowded crz, poison ivy at the base of the trunk, leaning form
T3248	Acer rubrum	northern red oak	16	1809	- 84		Multitrunk (13, 10), crowded crz, large wounds in trunks, poor form
	Quercus rubra	northern red oak	28	5539	97		Poison ivy and Virginia creeper growing on trunk
T3252	Acerrubrum	red maple	18.5	2418	97		Crowded crz
	Acer rubrum	red maple	17	2042	. 78 		Multitrunk (16, 7), crowded crz, wound at the base, missing leader on main trunk
T3256	Quercus rubra Quercus alba	northern red oak white oak	32.5 23	7 462 3737	. 88 . 91		Extreme leaning form, Virginia creeper and poison ivy on trunk, crowded concorded crowded cry, Virginia creeper on trunk, lopsided branching
T3258	Quercus montana	chestnut oak	26	4776	91		Crowded crz, poison ivy growing on base of trunk
T3259	Quercus alba	white oak	24	4069	91		Large dead limbs, vines growing on trunk
T3260		chestnut oak	31.5	7010	91		Virginia creeper growing on trunk, lopsided limbs
T3261	Quercus montana	chestnut oak	24.5	4241	. 91 91		Poison ivy on trunk, missing lower limbs, dead limb
T3262	Quercus alba Quercus montana	white oak chestnut oak	29 34	5942 8167	. 91		Celastrus at the base of the trunk, lopsided branching, wound at the base of trunk Crowded crz, missing lower limbs
T3264	Quercus montana	chestnut oak	30	6359	97		Crowded crz, missing lower limbs
T3265	Quercus montana	chestnut oak	26.5	4961	94		Crowded crz, lopsided branching
T3266		chestnut oak	28	5539	97		Crowded crz
T3267	Quercus montana Quercus montana	chestnut oak chestnut oak	30.5 26	6572 4776	. 100 . 38		Crowded in crz, in decline
T3268	Quercus montana Quercus montana	chestnut oak	33	7694	- ³⁰ 75		Multi trunk (11.5, 30.5), exposed roots, crowded crz, leaning form, leaf sp
T3270	Quercus montana	chestnut oak	26.5	4961	81		Leaning form, poison ivy on trunk, lopsided branching
T3271	Quercus montana	chestnut oak	25	4416	97		Poison ivy at the base of trunk
	Acer rubrum	red maple	35.5	8904	91		Multi trunk above dbh, poison ivy in trunks
	Quercus rubra Lirio den dron tulipifera	northern red oak tulip tree	29 30	5942 6359	. 84 91		Wound in the base of tree
	Prunus serotina	black cherry	24	4069	94		
	Prunus serotina	black cherry	14	1385	63		
T3347	Juglans nigra	black walnut	17	2042	75		
	Acerrubrum	red maple	20	2826	69		Multitrunk (12, 16)
	Acerrubrum Platanus occidentalis	red maple American sycamore	24 30	4069 6359	. 84 91		
T3357		northern red oak	33	7694	97		
T3359	Liriodendron tulipifera	tulip tree	24.5	4241	66		Wound in the base of the trunk
T3360	Liriodendron tulipifera	tulip tree	25.5	4594	. 88		
T3361	Liriodendron tulipifera	tulip tree	28 -	5539	. 88		
T3364 T3366	Juglans nigra Nyssa sylvatica	black walnut blackgum	26 23	4776 3737	- ⁹¹ 84		Multitrunk (18, 15)
T3367	Prunus serotina	black cherry	18	2289	- 75		
T3502	Pinus strobus	eastern white pine	14	1385	53		In decline
T3503	Pinus strobus	eastern white pine	24	4069	63		
T3504 T3505	Pinus strobus Pinus strobus	eastern white pine	20 22	2826 3419	75 72		
T3506	Pinus strobus	eastern white pine eastern white pine	20	2826	72		
T3508	Pinus strobus	eastern white pine	27.5	5343	84		
T3509	Pinus strobus	eastern white pine	26	4776	99		
T3511	Pinus strobus	eastern white pine	24.5 17	4241	88 84		
T3512 T3513	Pinus strobus Pinus strobus	eastern white pine eastern white pine	20	2042 2826	88		
T3514	Pinus strobus	eastern white pine	20	2826	84		
T3515	Pinus strobus	eastern white pine	19	2550	75		
T3516	Pinus strobus	eastern white pine	18	2289	84		
T3517 T3518	Pinus strobus Ulmus americana	eastern white pine American elm	22 26	3419 4776	63 84		
T3519	Prunus serotina	black cherry	18	2289	69		Multitrunk (14, 12)
T3520		northern red oak	26	4776	75		
LANDS	CAPE SETTING (NO FYISTIN	NG CREDIT) CRZ-1"DBH=1.5	'RADIIIS	0 SIGNIFICAN	T>/= 10"	DBH	
	Pinus strobus	eastern white pine	21.5	3266	94		Previous number 19354
T3002	Pinus strobus	eastern white pine	22.5	3577	. 94		Previous number 19353
T3003 T3004	Picea abies Pinus strobus	Norway spruce eastern white pine	17 26	2042 4776	- 97 - 97		Previous number 19355 Previous number 19356
T3004	Pinus strobus	eastern white pine	26.5	4961	- 97 -		Previous number 19357
	Prunus serotina	black cherry	36	9156	94		Codominant leaders, previous number 19230
T3007	Pinus strobus	eastern white pine	21 -	3116	92		Previous number 19232
T3008 T3009	Pinus strobus Pinus strobus	eastern white pine eastern white pine	34.5 26.5	8409 4961	. 94 92		Previous number 19231 Previous number 19234
	Pinus strobus Pinus strobus	eastern white pine eastern white pine	26.5 24.5	4241	- 92 91		Previous number 19235
	Pinus strobus	eastern white pine	24.5	4241	92		Previous number 19238
	Pinus strobus	eastern white pine	21.5	3266	72		Previous number 19236, missing leaders
	Pinus strobus	eastern white pine	23 31 5	3737	. 81 . 78		
	Morus rubra Acer rubrum	red mulberry red maple	31.5 14	7010 1385	. 78 . 95		
	Picea abies	Norway spruce	13.5	1288	97		
	Pinus strobus	eastern white pine	32.5	7462	92		Previous number 19006
T3053	•	Japanese black pine	21	3116	. 83		
	Picea abies	Norway spruce	17.5 27.5	2164	92		
T3055	Pinus strobus Pinus strobus	eastern white pine eastern white pine	27.5 28	5343 5539	92 94		
T3057	Picea abies	Norway spruce	22	3419	94		
T3058	Quercus palustris	pin oak	42	12463	94		
T3059	Quercus palustris	pin oak	40.5	11588	94		
	Ouaraua natuatria	pin oak	35	8655	77		
T3060 T3061	Quercus palustris Pinus strobus	eastern white pine	46	14950	- 77		Large cavity in base of trunk, recommend removal

	Pinus strobus	eastern white pine	42	12463	81	Many large side branches, cavity in base of trunk
Г3064 Г3066	Pinus strobus Cercis canadensis	eastern white pine eastern redbud	22.5 12.5	3577 1104	94 13	Cavity in base of trunk
г3067	Pinus strobus	eastern white pine	29	5942	86	Missing leader
Г3068	Gleditisia triacanthos	honeylocust	22	3419	86	
Г3069 Г3070	Gleditisia triacanthos Acer rubrum	honeylocust red maple	15.5 29.5	1697 6148	80 81	
	Acerrubrum	red maple	24.5	4241	81	
	Ailanthus altissima	tree of heaven	35	8655	88	Wound on major branch
「3073 「3074	Acer platanoides Pyrus calleryana	Norway maple Callery pear	28 20	5539 2826	72 72	Wound at the base of a major branch, open wet wound at base of 2 major branch Large open wound in trunk, girdled roots, walkway in crz
3074 3075	Pinus strobus	eastern white pine	38.5	10472	97	Virginia creeper growing on trunk
3076	Pinus strobus	eastern white pine	37.5	9935	94	Some leaf die-off
	Pinus strobus	eastern white pine	30 28.5	6359	94 94	Some branch die off and wound on lower branch Lower branch die-off
3078 3 079	Pinus strobus Pinus strobus	eastern white pine eastern white pine	32	5739 7 23 5	75	Branch die-off on one side
3080	Pinus strobus	eastern white pine	29	5942	84	Multi trunk above dbh, lower branch die-off
3081	Pinus strobus	eastern white pine	29	5942	94	Sidewalk in crz
3082 3 083	Pinus strobus Pinus strobus	eastern white pine eastern white pine	28 31	5539 6789	88 88	Lower branch die off Lower branch die off, trail in crz
3084	Picea pungens	blue spruce	16	1809	50	Thorny shrubs at the base of specimen, lower half of tree has branch die-off, in decl
3085	Pinus strobus	eastern white pine	30	6359	94	Path in crz, vines in trunk
3086	Pinus strobus	eastern white pine	33	7694	81	Lower branch die-off, poison ivy at base of trunk
3087 3088	Pinus strobus Pinus strobus	eastern white pine eastern white pine	27 28	5150 5539	100 72	Missing lower branches, lopsided branches, vine on trunk
3089	Pinus strobus	eastern white pine	33	7694	94	Codominant, (28.5, 17)
3090	Acer platanoides	Norway maple	21.5	3266	97	
3091 3092	Pinus strobus Pinus strobus	eastern white pine eastern white pine	20 22	2826 3419	91 97	Wound in the base of trunk, sidewalk in crz Sidewalk in crz
3092	Pinus thunbergii	Japanese black pine	17	2042	69	Porcelain berry on the trunk, loss of secondary branches
3094	Pinus strobus	eastern white pine	20	2826	100	
3095	Zelkova serrata	Japanese zelkova	19	2550	97	Walkway in crz
3097 3098	Pinus strobus Pinus strobus	eastern white pine	25 21.5	4416 3266	94 97	Sidewalk in crz, vine on trunk Sidewalk in crz
3099	Pinus strobus	eastern white pine eastern white pine	19.5	2686	100	Sidewalk III Cl 2
3100	Pinus strobus	eastern white pine	24	4069	97	Sidewalk in crz
3101	Picea pungens	blue spruce	18	2289	81	Lower branches dead on one side
3102	Picea abies Picea abies	Norway spruce	22 19.5	3419	97 91	Co-dominant above dbh Sidewalk in crz, dead lower branches
	Picea abies Picea abies	Norway spruce Norway spruce	19.5	2686 2289	91 97	Sidewalk in crz, dead lower branches Sidewalk in crz
3105	Metasequoia glyptostroboides	dawn redwood	26.5	4961	100	
3106	Pseudotsuga menziesii	Douglas fir	16	1809	97	Sidewalk in crz
3107	Pinus thunbergii Picea abies	Japanese black pine	16 18	1809	91 81	Vines on trunk Half of branches dead
3108 3109	Picea abies Pinus strobus	Norway spruce eastern white pine	35	2289 865 5	84	Hair of branches dead Large wound in the base of the trunk, sidewalk in crz
3110	Pinus strobus	eastern white pine	26	4776	84	Lower limbs dead and lopsided branching
3111	Pinus strobus	eastern white pine	28.5	5739	84	Roots near surface
3112	Pinus strobus	eastern white pine	22 31	3419	91 100	Co-dominant above dbh, one leader broken off
	Pinus strobus Pinus strobus	eastern white pine eastern white pine	33	6789 7694	97	Multi-leader above dbh
	Pinus strobus	eastern white pine	33	7694	75	Large wound at the base of trunk, missing leader above dbh
	Pinus strobus	eastern white pine	33	7694	97	Sidewalk in crz
3117 3118	Pinus strobus Pinus strobus	eastern white pine eastern white pine	21 31	3116 6789	97 81	Lower branches dead Half of limbs dead
3119	Pinus strobus	eastern white pine	25	4416	97	Poison ivy on trunk
3120	Pinus strobus	eastern white pine	30	6359	100	Walkway in crz
3121	Metasequoia glyptostroboides		24	4069	97	Walkway in crz
3122 3123	Pinus strobus Pinus strobus	eastern white pine eastern white pine	32 36	7235 9156	97 91	Some dead lower branches Vine on trunk, lopsided dead branches
3124		dawn redwood	24	4069	97	Walkway in crz
Г 3 125	Pinus strobus	eastern white pine	25	4416	94	Co-dominant above dbh, missing lower branches
Г3126	Pinus strobus	eastern white pine	22.5	3577	88	Slight leaning form, missing branches, lopsided
73127 73128	Pinus strobus Pinus strobus	eastern white pine eastern white pine	27 24	5150 4069	88 100	Co-dominant above dbh, missing one side of branches
T 3 129	Pyrus calleryana	Callery pear	16	1809	91	Vine growing on trunk
Г3130	Pinus strobus	eastern white pine	27	5150	91	Walkway in crz, co-dominant above dbh
Γ3131	Pinus strobus	eastern white pine	26	4776	97	Some dead lower branches
Г3132 Г3133	Picea abies Picea abies	Norway spruce Norway spruce	26.5 18	4961 2289	97 100	Walkway in crz
г3134	Picea abies	Norway spruce	25	4416	100	
3135	Pinus thunbergii	Japanese black pine	24	4069	69	Vines on trunk, co-dominant above dbh
3136	Pinus strobus Zelkova serrata	eastern white pine	29 23	5942	94 97	Walkway in crz, surface roots Walkway in crz
73137 73138	Zelkova serrata	Japanese zelkova Japanese zelkova	24	3737 4069	94	Walkway in crz, vines on trunk
3139	Zelkova serrata	Japanese zelkova	27	5150	94	Walkway in crz, vines on trunk
3140	Quercus coccinea	scarlet oak	36	9156	94	Vines on trunk
3141	Quercus coccinea	scarlet oak	30 37	6359	78 91	Dead limbs on half of tree Vines on trunk, some minor dead branches
3142 3143	Quercus coccinea Pinus strobus	scarlet oak eastern white pine	28	9672 5539	91 97	
3144	Pinus strobus	eastern white pine	12	1017	78	Co-dominant above dbh, walkway in crz, leaning form
3145	Pinus strobus	eastern white pine	19	2550	94	Walkway in crz, slight leaning form
3146 3147	Quercus coccinea Quercus coccinea	scarlet oak scarlet oak	38 37	10202 9672	88 91	Sidewalk in crz, lower branches dead Exposed roots and sidewalk in crz
3147 3148	Zelkova serrata	Japanese zelkova	28	5539	91 97	Walkway in crz
3149	Zelkova serrata	Japanese zelkova	25	4416	97	Walkway in crz
3150	Cedrus atlantica	atlas cedar	23.5	3902	100	
	Pinus strobus Morus alba	eastern white pine white oak	19 24	2550 4069	100 81	Multi trunk (17.5, 17) dead trunk, wounds in living trunks
	Ailanthus altissima	tree of heaven	31.5	7010	81	Wound at the base of the trunk
3167	Pseudotsuga menziesii	Douglas fir	25	4416	88	Walkway in crz, leaf scale on leaves
3168	Pseudotsuga menziesii	Douglas fir	15	1590	91	Leaf scale on leaves
3169 3170	Picea abies Morus rubra	Norway spruce red mulberry	20.5 17	2969 2042	97 88	Sapsucker damage on trunk Multi trunk (10.5, 11.5, 7), sap leaking on trunk, structure in crz, and exposed roo
3170 3171	Pinus strobus	eastern white pine	25	4416	88 97	Sidewalk in crz
3172	Pinus strobus	eastern white pine	20	2826	94	Lower limbs removed
3173	Pinus strobus	eastern white pine	19	2550	97 88	Roadway in crz
3174 3175	Pinus strobus Pinus strobus	eastern white pine eastern white pine	19 12	2550 1017	88 72	Roadway in crz, exposed roots Exposed roots at the base of the tree, leaning form, wound on trunk
	Pinus strobus	eastern white pine	16.5	1923	63	Wound at the base of the trunk, walkway in crz, leaning form, lopsided branches
	Pinus strobus	eastern white pine	26	4776	97	Roadway in crz
3178	Pinus strobus	eastern white pine	19	2550	88 88	Walkway in crz, lopsided branching
3179 3180	Pinus strobus Pinus strobus	eastern white pine eastern white pine	23 32	3737 72 3 5	88 84	Roadway in crz, exposed roots, lopsided branching Multi trunk (24.5, 20), exposed roots, paving in crz
3180	Pinus strobus Pinus strobus	eastern white pine eastern white pine	18	2289	97	Exposed roots
	Pinus strobus	eastern white pine	25	4416	81	Paving in crz, leaning form, exposed roots
3183	Pinus strobus	eastern white pine	29	5942	63	Lopsided branching, missing leader, leaning form, wound in the trunk, exposed ro
-		·				paving in crz Multitrunk (23-16)
2104	Pinus strobus Pinus strobus	eastern white pine eastern white pine	28 26.5	5539 4961	88 84	Multi trunk (23, 16) Walkway in crz, exposed roots, co-dominant above dbh
3184 3185		eastern white pine	21	3116	88	Paving in crz, girdled roots
3185	Pinus strobus	•	24	4069	78	Paving in crz, exposed roots, leaning form, dead branch
3185 3186	Pinus strobus Pinus strobus	eastern white pine			84	Paving in crz, exposed roots, lopsided branches, slight leaning form
3185 3186 3187 3188	Pinus strobus Pinus strobus	eastern white pine	24.5	4241		Figure 2 day of 1 to 1 to 1 to 1 to 2 to 1 to 2 to 1 to 1
3185 3186 3187 3188 3189	Pinus strobus Pinus strobus Pinus strobus	eastern white pine eastern white pine	17	2042	50 88	
3185 3186 3187 3188	Pinus strobus Pinus strobus	eastern white pine			50 88 88	Exposed and girdled roots, leaning form, damage on trunk, missing leader, in declir Exposed roots, some dead limbs Exposed roots, lopsided branches
3185 3186 3187 3188 3189 3190	Pinus strobus Pinus strobus Pinus strobus Pinus strobus	eastern white pine eastern white pine eastern white pine	17 27.5	2042 5343	88	Exposed roots, some dead limbs

Preliminary
07/14/2025 11:27:07 AM



RFP 08-25 ADDENDUM 1

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."

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							
IARK	DATE	DESCRIPTION					

IT FILE NO.	17-1015.002
TE:	8/7/2024
CALE:	AS NOTED
SIGNED BY:	EMB
RAWN BY:	EMB
IECKED BY:	AES

SHEET TITLE

NATURAL RESOURCE INVENTORY/FOREST STAND DELINEATION

11 OF

l		24		ı				1 1	24.5
T3193 Quercus palustris T3194 Quercus palustris T3195 Quercus palustris	pin oak pin oak pin oak	34 <u>8167</u> 91 22 <u>3419</u> 88 34 8167 78	Paving in crz Paving in crz, girdled roots Exposed roots and pavement in crz, tips of branches dead	T3412 Prunus serotina T3413 Prunus serotina	black cherry black cherry	18 2289 63 12 1017 56 23 7604 81	Multi trunk (20, 20, 13, 11.5)	T3989 <i>Ulmus parvifolia</i> Chinese elm	21.5 3266 20 2826 16 1809
T3196 Quercus palustris T3197 Quercus palustris	pin oak pin oak pin oak	22.5 <u>3577</u> 78 18.5 <u>2418</u> 63	Exposed roots and pavement in crz, lower limbs removed, tips of branches dead Exposed roots and pavement in crz, lower limbs removed, tips of branches dead	T3414 Morus rubra T3415 Morus rubra	red mulberry red mulberry	33	Multi trunk (14, 22, 21, 16.5)	T3991 <i>Ulmus parvifolia</i> Chinese elm	18.5 2418 18 2289
T3198 Quercus palustris T3199 Quercus palustris	pin oak pin oak	21 <u>3116</u> 75 18.5 2418 72	Exposed roots and pavement in crz, tips of branches dead Exposed roots and pavement in crz, tips of branches dead	T3416 Quercus rubra T3417 Acer negundo	northern red oak boxelder	28 5539 84 28 5539 88	Multi trunk (22, 18)		16.5 1923 0
T3200 Quercus palustris T3201 Quercus palustris	pin oak pin oak	22 <u>3419</u> 69 21 <u>3116</u> 72	Surface roots, paving in crz, missing limbs, dead twigs at end of branches Roadway in crz, lopsided limbs, dead branches	T3418 Morusrubra T3419 Morusrubra	red mulberry red mulberry	29 5942 75 24 4069 59	Multitrunk (13, 6, 10, 18, 14) Multitrunk (13.5, 16, 12.5)	6-11" DBH TREES (NO EXISTING CREDIT) CRZ-PER LOCATION AS A T3015 Cercis canadensis eastern redbud	ABOVE; REQUE
T3202 Quercus palustris T3203 Malus ssp.	pin oak crab apple	32 7235 91 15 1590 91	Surface roots, roadway in crz Multi trunk (9, 6, 4, 10), structure in crz, leaf spot on leaves	T3420 Morusrubra T3421 Quercus rubra	red mulberry northern red oak	14 1385 47 39.5 11023 84	Multi trunk (7.5, 12), in decline	T3016 Quercus alba white oak	7 346
T3204 Prunus x yedoensis	Yoshino cherry	25 4416 78	Multi trunk (10, 23), walkway in crz, girdled roots, wound in trunk Multi trunk (6.5, 7.5, 7), pathway in crz, exposed roots, trunks against each other, leaning	T3422 Prunus serotina T3423 Prunus serotina	black cherry black cherry	23 3737 63 28 5539 41	Multi trunk (14, 13, 13) Multi trunk (17, 12.5, 19), in decline	T3017 Juniperus virginiana eastern redcedar T3018 Juniperus virginiana eastern redcedar	7 346 9 572
T3205 Prunus x yedoensis T3206 Prunus x yedoensis	Yoshino cherry Yoshino cherry	12 1017 75 	form Multi trunk (10, 10, 9), pathway in crz, exposed roots	T3424 Cupressus x leylandii T3425 Acer negundo	Leyland cypress boxelder	23 <u>3737</u> 81 45 <u>14307</u> 91	Multitrunk (10.5, 6.5, 19) Multitrunk above dbh	T3020 Quercus rubra northern red oak	6.5 298 9 572
T3207 Prunus x yedoensis T3208 Prunus x yedoensis	Yoshino cherry Yoshino cherry	26 4776 78 17 2042 84	Multi trunk above dbh, paving in crz, girdled roots, wound in trunk Multi trunk (12, 12), exposed roots	T3426 Morusrubra T3427 Morusrubra	red mulberry red mulberry	20 <u>2826</u> 47 40 <u>11304</u> 69	Multi trunk (22, 18, 28), wounds in the bases of trunks	T3022 Acerrubrum red maple	10 707 11 855
T3209 Prunus x yedoensis T3210 Prunus x yedoensis	Yoshino cherry Yoshino cherry	21 <u>3116</u> 78 22 3419 78	Multi trunk (9.5, 19), exposed roots, multiple wounds in trunk, leaning form Multi trunk (12, 14, 12.5), exposed roots, multiple wounds in trunk, poison ivy on trunk	T3428 Morus rubra T3429 Morus rubra	red mulberry red mulberry	20 <u>2826</u> 75 12 <u>1017</u> 41	In decline		8.5 510 11 855
T3211 Prunus x yedoensis T3212 Pinus strobus	Yoshino cherry eastern white pine	21 3116 75 35.5 8904 88	Multi trunk above dbh, exposed roots, wound in the base of trunk and upper trunk of one Poison ivy on trunk, multi trunk above dbh, exposed roots	T3430 Morus alba T3431 Morus rubra	white mulberry red mulberry	16 1809 63 21 3116 66	Multi trunk (16.5, 13)	T3025 <i>Quercus alba</i> white oak T3026 <i>Quercus rubra</i> northern red oak	6 254 9 572
T3213 Pinus strobus T3214 Pinus strobus	eastern white pine eastern white pine	17 <u>2042</u> 88 30 <u>6359</u> 88	Suckers at the base, poison ivy at the base of trunk, sapsucker damage to trunk Exposed roots, lopsided lower branches	T3432 Acer saccharinum T3433 Morusrubra	silver maple red mulberry	32 7235 78 25 4416 72	Multitrunk (19.5, 13.5, 9)	T3027 <i>Cercis canadensis</i> eastern redbud T3028 <i>Juniperus virginiana</i> eastern redcedar	9.5 638 9 572
T3215 Pinus strobus T3216 Quercus palustris	eastern white pine pin oak	17 2042 56 29 5942 72	Leaning form, dead lower limbs, thin leaves, exposed roots Paving in crz, exposed roots, lopsided branching, branches dead at tips, wounds in trunk	T3434 Morus rubra T3435 Prunus serotina	red mulberry black cherry	31 6789 69 19.5 2686 59	Multi trunk (17, 16.5, 19.5) Multi trunk above dbh, dead leaders	T3029 Juniperus virginiana eastern redcedar T3030 Juniperus virginiana eastern redcedar	8 452 7 346
T3217 Quercus palustris	pin oak	33.5 7929 84	Paving in crz, exposed roots, lopsided branching, poison ivy and Virginia creeper at the base of trunk	T3436 Morusrubra T3437 Morusrubra	red mulberry	23 3737 69 30 6359 63	Multi trunk (20.5, 11) Multi trunk (12, 7, 9, 11)	T3031 <i>Acer rubrum</i> red maple T3032 <i>Acer rubrum</i> red maple	6 254 9 572
T3218 Picea abies T3219 Picea abies	Norway spruce Norway spruce	16.5 1923 84 18 2289 94	Paving in crz, exposed roots, lopsided branching, Virginia creeper at the base of trunk Paving in crz, lopsided branching	T3438 Morusrubra	red mulberry red mulberry	34 8167 75	Multi trunk (18, 17, 23.5) Multi trunk (18, 17, 13.5, 3)		6.5 298 10 707
T3220 Quercus palustris	pin oak	31.5 <u>7010</u> 88 21.5 84	Paving in crz, lopsided branching at base Paving in crz, poison ivy and Virginia creeper at the base of the trunk, sapsucker damage on	T3439 Morusrubra T3440 Morusrubra	red mulberry red mulberry	25 4416 75	Multi trunk (16, 11, 16.5)	T3035 Quercus rubra northern red oak	10 707 8.5 510
T3221 Pyrus calleryana T3222 Pyrus calleryana	Callery pear Callery pear	3266 17 2042 81	trunk, multi-leader above dbh, lopsided branching Roadway in crz, massive wound in the base of the trunk, suckers at the base of trunk	T3441 Morus alba T3442 Picea abies	white mulberry Norway spruce	19 2550 47 21 3116 88	In decline	, , ,	6.5 <u>298</u> 10 707
T3223 Picea abies T3224 Picea abies	Norway spruce Norway spruce	23 <u>3737</u> 94 27.5 <u>5343</u> 88	Paving in crz, lopsided branching at lower half of tree Multi trunk above dbh, poison ivy and greenbrier at the base of tree, paving in crz	T3444 Morus rubra T3445 Picea abies	red mulberry Norway spruce	21 3116 88 21 3116 97	Multi trunk (11.5, 17)	T3039 Juniperus virginiana eastern redcedar	11 855
T3225 Picea abies T3226 Salix alba	Norway spruce white willow	25 <u>4416</u> 94 32 <u>7235</u> 91	Roadway in crz, porcelain verry growing through lower branches Roadway in crz, multi-trunk above dbh, poison ivy growing at base of multi	T3446 Morus rubra T3447 Morus rubra	red mulberry red mulberry	12 1017 81 14.5 1485 84	Stone placed at trunk notch	T3041 Acer saccharinum silver maple	8.5 510
T3227 Picea pungens T3228 Pyrus calleryana	blue spruce Callery pear	17 <u>2042</u> 91 19.5 <u>2686</u> 84	Die-off on minor branches, slight leaning form Roadway in crz, suckers at base, lopsided branches, sapsucker damage to trunk	T3448 Morusrubra T3450 Morusrubra	red mulberry red mulberry	16 1809 75 25 4416 84	Multi trunk (8, 8.5, 10.5)	T3042 Juniperus virginiana eastern redcedar T3043 Juniperus virginiana eastern redcedar	9 572 9 572
T3229 Picea abies T3230 Picea abies	Norway spruce Norway spruce	22 <u>3419</u> 97 24 <u>4069</u> 94	Roadway in crz, surface roots Roadway in crz, poison ivy growing on trunk, minor branch die-off	T3 451 Morusrubra T3 45 2 Morusrubra	red mulberry red mulberry	36 9156 72 28 5539 69	Multi trunk (16, 23)	T3044 <i>Quercus alba</i> white oak T3045 <i>Quercus rubra</i> northern red oak	6 <u>254</u> 7 <u>346</u>
T3231 Pyrus calleryana T3232 Picea abies	Callery pear Norway spruce	15.5 <u>1697</u> 84 23 <u>3737</u> 94	Roadway in crz, multi trunk above dbh, sapsucker damage on trunk Large celastrus growing along trunk, poison ivy at the base of trunk, roadway in crz	T3453 <i>Morus rubra</i> T3454 <i>Morus rubra</i>	red mulberry red mulberry	27 5150 84 25.5 4594 78	Two trunks merged to one	T3046 <i>Quercus rubra</i> northern red oak T3047 <i>Cercis canadensis</i> eastern redbud	8 452 6.5 298
T3234 Picea pungens T3235 Picea abies	blue spruce Norway spruce	16.5 <u>1923</u> 91 32 <u>7235</u> 94	Lower branch die-off, wire wrapped around dead limb Poison ivy at the base of trunk, roadway in crz, interior limb die-off Roadway in crz, multi trunk above dab, wound in lower portion of trunk	T3456 Morus rubra T3457 Morus rubra	red mulberry red mulberry	20 <u>2826</u> 69 18 <u>2289</u> 66	Multi trunk (13, 13), in decline	T3048 <i>Quercus alba</i> white oak T3065 <i>Cercis canadensis</i> eastern redbud	9 572 8 452
T3236 Picea abies T3237 Picea abies	Norway spruce Norway spruce	35 <u>8655</u> 91 18 <u>2289</u> 91 28 5539 91	Roadway in crz, multi trunk above dbh, wound in lower portion of trunk Roadway in crz, poison ivy on trunk, lightly girdled roots Poison ivy and English ivy on trunk, roadway in crz	T3458 Liquidambar styraciflua T3459 Liquidambar styraciflua	sweetgum sweetgum	22 <u>3419</u> 81 16 1809 88		T3096 <i>Koelreuteria paniculata</i> golden rain tree 1 T3152 <i>Picea pungens</i> blue spruce	11.5 934 6 254
T3238 Pinus strobus T3239 Picea abies T3240 Picea abies	eastern white pine Norway spruce Norway spruce	28 <u>5539</u> 91 19 <u>2550</u> 97 21 3116 100	Paving in crz	T3460 Liquidambar styraciflua T3461 Prunus serotina	sweetgum black cherry	22 3419 91 28 5539 81		T3153 <i>Picea pungens</i> blue spruce T3154 <i>Picea pungens</i> blue spruce	6 <u>254</u> 6 <u>254</u>
T3241 Quercus rubra T3242 Quercus alba	northern red oak white oak	32 <u>7235</u> 66 30 6359 97	Paving in crz, celastrus at base of tree, lopsided limbs, large dead limb, in de	T3462 Picea abies T3463 Acer saccharum	Norway spruce sugar maple	17 2042 94 17 2042 84		T3155 <i>Picea pungens</i> blue spruce T3156 <i>Picea pungens</i> blue spruce	5 <u>177</u> 6 <u>254</u>
T3273 Pseudotsuga menziesi T3274 Pseudotsuga menziesii	i Douglas fir Douglas fir	32.5 <u>7462</u> 91 12 <u>1017</u> 69	Co-dominant above	T3464 Picea abies T3465 Prunus serotina	Norway spruce	26 4776 97 16 1809 41	In decline	T3159 Thuja occidentalis arborvitae T3160 Thuja occidentalis arborvitae	9 572 8 452
T3275 Pinus strobus T3278 Acer platanoides	eastern white pine Norway maple	24 4069 84 23.5 3902 94		T3466 Metasequoia glyptostrobol		24 4069 100 23 3737 91	Multi trunk (12.5, 19)	T3161 Thuja occidentalis arborvitae T3162 Thuja occidentalis arborvitae	6 254 7 346
T3279 Pinus strobus T3280 Pinus strobus	eastern white pine eastern white pine	24 <u>4069</u> 97 22 3419 84		T3467 Cedrus atlantica T3468 Fagus sylvatica	atlas cedar European beech	25 4416 97	Purple leaf cultivar	T3163 Thuja occidentalis arborvitae T3164 Thuja occidentalis arborvitae	7 346 9 572
T3281 Salix alba T3282 Salix alba	white willow white willow	29 <u>5942</u> 81 36 9156 63	Co-dominant, covered in invasive species	T3469 Pinus strobus T3478 Acer saccharum	eastern white pine sugar maple	34.5 8409 91 14 1385 66 14 1385 91	Multi trunk (6, 5, 4, 5, 5, 3, 4, 1, 4, 3, 2, 2) Multi trunk (4.5, 3, 5, 8, 8, 4)	1 1	6.5 <u>298</u> 11 <u>855</u>
T3283 Pyrus calleryana T3284 Quercus palustris	Callery pear pin oak	23 3737 91 42 12463 91	Trunk covered in invasive species	T3498 Cupressus x leylandii T3499 Cupressus x leylandii T3501 Pinus strobus	Leyland cypress Leyland cypress	15 1590 84	Multi trunk above dbh	T3246 <i>Quercus alba</i> white oak T3251 <i>Nyssa sylvatica</i> blackgum	10 707 7 346
T3285 Quercus palustris T3286 Quercus palustris	pin oak pin oak	32.5 7462 94 38 10202 81		T3521 Pinus strobus T3522 Pinus strobus	eastern white pine eastern white pine eastern white pine	12 1017 69 32 7235 88 26 4776 91	Multi trunk above dbh Multi trunk above dbh	, ,	7.5 397 11.5 934
T3287 Quercus palustris T3288 Quercus palustris	pin oak pin oak	29.5 6148 84 37 9672 63	Dead leader	T3522 Finassilobus T3523 Pinus strobus T3526 Liquidambar styraciflua	eastern white pine eastern white pine sweetgum	28 5539 44 20 2826 88	In decline	T3323 Pyrus calleryana Callery pear T3326 Liquidambar styracíflua sweetgum	10 707 8 452
T3289 Quercus palustris T3290 Quercus palustris	pin oak pin oak	33		T3527 Quercus phellos T3914 Pinus strobus	willow oak eastern white pine	16 1809 84 32 7235 78	2 trunks (16, 27.5), broken limbs	T3328 Pyrus calleryana Callery pear	8.5 510 10 707
T3291 Quercus palustris T3292 Pinus strobus	pin oak eastern white pine	30.5 6572 94 29.5 6148 91	Co-dominant above dbh Co-dominant above dbh	T3915 Pinus strobus T3916 Pinus strobus	eastern white pine eastern white pine	28.5 5739 78 26.5 4961 78	Broken limbs Broken limbs	T3332 Salix alba white willow T3333 Salix alba white willow	6 254 7 346
T3293 Pinus strobus T3294 Quercus palustris	eastern white pine pin oak	23 3737 97 29 5942 88		T3917 Pinus strobus T3918 Pinus strobus	eastern white pine eastern white pine	22 3419 78 21.5 3266 78	Broken limbs Broken limbs		7 346 11 855
T3295 Quercus palustris T3296 Quercus palustris	pin oak pin oak	26 4776 91 30 6359 56	In decline	T3919 Pinus strobus T3920 Tsuga canadensis	eastern white pine eastern hemlock	32 7235 78 18 2289 78	Broken limbs 3 trunks (15.5, 6.5, 6), dead limbs	· · · · · · · · · · · · · · · · · · ·	6 254 7.5 397
T3297 Quercus palustris T3313 Morus alba	pin oak white mulberry	26 4776 84 20 2826 63	Multi trunk (7, 7, 10, 13.5)	T3921 Ulmus parvifolia T3922 Prunus serotina	Chinese elm black cherry	28 5539 81 15 1590 72	Broken limbs Broken limbs, suckers at base	T3348 Juglans nigra black walnut T3349 Prunus serotina black cherry	8 452 7 346
T3321 Robinia pseudoacacia T3322 Prunus serotina	black locust black cherry	20 2826 69 16 1809 47	Multi trunk above dbh In decline	T3923 Pinusstrobus T3925 Pinusstrobus	eastern white pine eastern white pine	25 4416 78 26 4776 78	2 trunks (17, 18), broken limbs Broken limbs	T3356 Prunus serotina black cherry	10 707 10 707 11 855
T3324 Pyrus calleryana T3325 Pyrus calleryana	Callery pear Callery pear	14 1385 63 18 2289 81		T3926 <i>Picea abies</i> 'Pendula' T3927 <i>Quercus palustris</i>	Weeping Norway spruce pin oak	18 2289 69 25 4416 78	Broken limbs Dead limbs	T3400 <i>Morus alba</i> white mulberry	7 346
T3329 Morus rubra T3330 Juniperus virginiana	red mulberry eastern redcedar	16 1809 72 18 2289 75	Multi trunk (8, 10, 10)	T3928 Pinus strobus T3929 Pinus strobus	eastern white pine eastern white pine	25 4416 78 23 3737 78	Broken limbs Broken limbs	T3449 <i>Morus rubra</i> red mulberry	11 855 11 855
T3331 Salix alba T3335 Juglans nigra	white willow black walnut	24 4069 81 14 1385 78		T3930 Pinus strobus T3931 Pinus strobus	eastern white pine eastern white pine	13 1194 78 16 1809 78	Broken limbs Broken limbs	T3455 Liquidambar styraciflua sweetgum T3470 Ulmus pumila Siberian elm	8 452 8 452
T3338 Juglans nigra T3354 Platanus occidentalis	black walnut American sycamore	18 2289 75 13 1194 75	Multi trunk (10, 5, 7)	T3932 Pinus strobus T3933 Pinus strobus	eastern white pine eastern white pine	17 2042 81 21 3116 72	Broken limbs Broken limbs	T3471 Ulmus pumila Siberian elm T3472 Ailanthus altissima tree of heaven T3473 Ulmus pumila Siberian elm	6 254 6 254 6 254
T3355 Platanus occidentalis T3362 Cedrus deodara	American sycamore deodar cedar	15 <u>1590</u> 84 24 4069 94	Multi trunk (8, 8, 7, 5, 3)	T3934 Pinus strobus T3935 Pinus strobus	eastern white pine eastern white pine	23.5 3902 78 23.5 3902 78	Broken limbs Broken limbs	T3474 Cupressus x leylandii Leyland cypress	8 452 10 707
T3363 Cedrus deodara T3371 Pinus strobus	deodar cedar eastern white pine	25 4416 97 15 1590 81	Multi trunk (13, 13, 10, 7, 12)	T3936 Pinus strobus T3937 Pinus virginiana	eastern white pine Virginia pine	23 3737 78 19 2550 66	Broken limbs Broken limbs, wounds in trunk	T3476 Cupressus x leylandii Leyland cypress	9 572 10 707
T3372 Pinus strobus T3373 Acer platanoides	eastern white pine Norway maple	21.5 <u>3266</u> 94 20.5 <u>2969</u> 91		T3939 Betula nigra T3940 Betula nigra	river birch river birch	27 5150 78 27 5150 81	3 trunks (14, 15.5, 16.5), dead limbs 4 trunks (12, 15.5, 12.5, 14), vines in canopy	T3479 <i>Cupressus x leylandii</i> Leyland cypress T3480 <i>Cupressus x leylandii</i> Leyland cypress	9 572 8 452
T3374 Acer platanoides T3375 Pinus strobus	Norway maple eastern white pine	22 <u>3419</u> 100 23 <u>3737</u> 97		T3941 Quercus palustris T3942 Quercus palustris	pin oak pin oak 	33	Broken limbs Broken limbs	T3481 <i>Cupressus x leylandii</i> Leyland cypress T3482 <i>Cupressus x leylandii</i> Leyland cypress	9 572 9 572
T3376 Quercus coccinea T3377 Quercus rubra	scarlet oak northern red oak	32 7235 84 24 4069 59	In decline, missing leader	T3943 Quercus palustris T3944 Pinus strobus	pin oak eastern white pine	33	Broken limbs, vines on trunk Broken limbs, wound in trunk Broken limbs, couting tops on trunk	T3483 <i>Cupressus x leylandii</i> Leyland cypress T3484 <i>Cupressus x leylandii</i> Leyland cypress	10 707 9 572
T3378 Quercus palustris T3379 Quercus palustris	pin oak pin oak	24 4069 66 28 5539 53	In decline, missing leader	T3945 Pinus strobus T3946 Pinus strobus	eastern white pine eastern white pine	25.5 4594 78 22.5 3577 78 25 4416 78	Broken limbs, caution tape on trunk Broken limbs Vines on trunk and in canopy	T3485 Cupressus x leylandii Leyland cypress	9 572 10 707
T3380 Ailanthus altissima	tree of heaven tree of heaven	22 3419 81 22 3419 91	, ,	T3947 Picea abies T3948 Picea pungens T3949 Prunus serotina	Norway spruce blue spruce black cherry	25 4416 78 20 2826 72 14 1385 66	Vines on trunk, dead limbs	T3487 <i>Cupressus x leylandii</i> Leyland cypress T3488 <i>Cupressus x leylandii</i> Leyland cypress	9 572 9 572
T3381 Ailanthus altissima T3382 Ailanthus altissima	tree of heaven	26 4776 84		T3950 Acer rubrum T3951 Picea abies	red maple Norway spruce	18 2289 94 22.5 3577 78	Girdled roots Broken limbs	T3489 <i>Cupressus x leylandii</i> Leyland cypress T3490 <i>Cupressus x leylandii</i> Leyland cypress	10 707 9 572
T3383 Ailanthus altissima T3384 Ailanthus altissima	tree of heaven tree of heaven	14 1385 72 23 3737 91		T3952 Pinusstrobus T3953 Quercus palustris	eastern white pine pin oak	21.5 3266 78 40 11304 78	Broken limbs Broken limbs	T3491 <i>Cupressus x leylandii</i> Leyland cypress T3492 <i>Cupressus x leylandii</i> Leyland cypress	8 452 10 707
T3385 Prunus serotina T3386 Ailanthus altissima	black cherry tree of heaven	18 2289 84 17 2042 84		T3954 Quercus palustris T3955 Quercus palustris	pin oak pin oak pin oak	37 9672 78 35.5 8904 78	Broken limbs Broken limbs	T3493 <i>Cupressus x leylandii</i> Leyland cypress T3494 <i>Cupressus x leylandii</i> Leyland cypress	9 572 10 707
T3387 Quercus palustris T3388 Quercus palustris	pin oak pin oak	33		T3956 Ulmus parvifolia T3957 Ulmus parvifolia	Chinese elm Chinese elm	21 3116 78 19 2550 78	Surface roots, dead limbs Surface roots, dead limbs	T3495 <i>Cupressus x leylandii</i> Leyland cypress T3496 <i>Cupressus x leylandii</i> Leyland cypress	8 452 9 572
T3389 Pinus strobus T3390 Pinus strobus	eastern white pine eastern white pine	27 5150 88 30 6359 84		T3958 Ulmus parvifolia T3959 Ulmus parvifolia	Chinese elm Chinese elm	23 3737 78 22 3419 78	Surface roots, dead limbs Surface roots, dead limbs		8 452 10 707
T3391 Prunus serotina T3392 Prunus serotina	black cherry black cherry	28 5539 66 16 1809 56	Multi trunk (18, 18, 12)	T3960 Acerrubrum T3962 Ulmus parvifolia	red maple Chinese elm	20 2826 72 20.5 2969 75	Girdled roots Surface roots, fungus on trunk	·	11 855 10.5 779
T3393 Ailanthus altissima T3394 Pinus strobus	tree of heaven eastern white pine	12 1017 78 22 3419 59		T3965 Prunus serotina T3966 Prunus serotina	black cherry black cherry	18 2289 50 19 2550 66	Vines on trunk and in canopy, broken leader, fallen tree leaning on branches 5 trunks (10, 9, 7, 8, 7), vines on trunk and in canopy, dead leader	T3530 Robinia pseudoacacia black locust	10 707 11 855
T3395 Pinus strobus T3396 Morus alba	eastern white pine white mulberry	20 <u>2826</u> 84 20 <u>2826</u> 88		T3968 Pinus strobus T3969 Pinus strobus	eastern white pine eastern white pine	24 4069 78 28 5539 69	Broken limbs Broken limbs, vines on trunk and in canopy	*BOLD DENOTES SPECIMEN TREES	11.5 934
T3397 Prunus serotina T3398 Morus alba	black cherry white mulberry	22 3419 69 25 4416 56		T3970 Picea abies T3971 Pinus strobus	Norway spruce eastern white pine	26 4776 81 19 2550 25	Vines on trunk and in canopy 2 trunks (8, 17), in decline		
T3399 Morus alba T3401 Morus alba	white mulberry white mulberry	13 1194 56 12 1017 56	Multi trunk (7, 5, 7, 6) Multi trunk (6, 10)	T3972 Pinus strobus T3973 Pinus strobus	eastern white pine eastern white pine	18 2289 78 28 5539 78	Broken limbs, vines on trunk Broken limbs		
T3402 Morus alba T3403 Betula nigra	white mulberry river birch	50 17663 75 31 6789 84	Multi trunk (18, 16, 17, 8)	T3974 Pinus strobus T3976 Pinus strobus	eastern white pine eastern white pine	19 2550 72 21.5 3266 78	Broken limbs Broken limbs		
T3404 Betula nigra	river birch	27 5150 88 31 6789 84	Multi trunk (16, 16, 18) Multi trunk (25, 18, 6)	T3977 Pinus strobus T3978 Pinus virginiana	eastern white pine Virginia pine	30 6359 72 13.5 1288 25	Broken limbs In decline		
T3405 Betula nigra T3406 Platanus occidentalis	river birch American sycamore	12 1017 88	,,, -,	T3979 Pinus strobus T3980 Prunus serotina	eastern white pine black cherry	23 3737 78 15 1590 25	Broken limbs In decline		
T3407 Morus alba T3408 Morus alba	white mulberry white mulberry	23 3737 63	Multi trunk (17, 15) Multi trunk (24, 24.5)	T3984 Prunus serotina T3985 Ulmus parvifolia	black cherry Chinese elm	17 2042 66 24 4069 72	2 trunks (10, 14), broken limbs, wound in trunk, dead leader Fungus on trunk, dead limbs, compacted root zone		
T3409 Pinus strobus T3410 Pinus strobus	eastern white pine eastern white pine	26 4776 88	Codominant above dbh	T3986 Ulmus parvifolia T3987 Ulmus parvifolia	Chinese elm Chinese elm	22 3419 72 21 3116 72	Fungus on trunk, dead limbs, compacted root zone Fungus on trunk, dead limbs, compacted root zone		
T3411 Pinus strobus	eastern white pine	27.5 5343 97							

	Ulmus parvifolia Ulmus parvifolia	Chinese elm Chinese elm	21.5	3266 2826	72 72	Fungus on trunk, dead limbs, compacted root zone Fungus on trunk, dead limbs, compacted root zone
	Ulmus parvifolia Ulmus parvifolia	Chinese elm Chinese elm	16 18.5	1809 2418	69 72	Fungus on trunk, dead limbs, compacted root zone Fungus on trunk, dead limbs, compacted root zone
T3998	Pinus strobus	eastern white pine	18	2289	78	Broken limbs, vines on trunk
T3999	Pinus strobus	eastern white pine	16.5	1923 0	91	Broken limbs
		EDIT) CRZ-PER LOCATION A		T I		P, OPTIONAL FOR NRI
	Cercis canadensis Quercus alba	eastern redbud white oak	7 7	346	91 98	
	Juniperus virginiana	eastern redcedar	7	346	98	
	Juniperus virginiana Quercus alba	eastern redcedar white oak	9 6.5	298	98 98	
	Quercus rubra	northern red oak	9	572	97	
	Juniperus virginiana	eastern redcedar	10	707	98	
	Acer rubrum Liriodendron tulipifera	red maple tulip tree	11 8.5	855 510	98 95	
T3024	Acerrubrum	red maple	11	855	94	Codominant leaders
	Quercus alba Quercus rubra	white oak northern red oak	6 9	254 572	94 94	
	Cercis canadensis	eastern redbud	9.5	638	94	
	Juniperus virginiana	eastern redcedar	9	572	94	
	Juniperus virginiana Juniperus virginiana	eastern redcedar eastern redcedar	8 7	452 346	92 92	
	Acer rubrum	red maple	6	254	94	
	Acer rubrum Quercus alba	red maple white oak	9 6.5	572 298	94 94	
	Liriodendron tulipifera	tulip tree	10	707	94	
	Quercus rubra	northern red oak	10	707	80	
	Juniperus virginiana Cercis canadensis	eastern redcedar eastern redbud	8.5 6.5	510 298	89 91	
	Juniperus virginiana	eastern redcedar	10	707	89	
	Juniperus virginiana	eastern redcedar	11	855	91	
	Cercis canadensis Acer saccharinum	eastern redbud silver maple	8.5 8.5	510 510	99 95	
T3042	Juniperus virginiana	eastern redcedar	9	572	97	
	Juniperus virginiana Quercus alba	eastern redcedar white oak	9 6	572 254	97 94	
	Quercus rubra	northern red oak	7	346	91	
	Quercus rubra	northern red oak	8	452	88	
	Cercis canadensis Quercus alba	eastern redbud white oak	6.5 9	298 572	94 95	
T3065	Cercis canadensis	eastern redbud	8	452	84	Many side sprouts around original trunk
	Koelreuteria paniculata	golden rain tree	11.5 6	934	100 97	Vines in branches
	Picea pungens Picea pungens	blue spruce blue spruce	6	254	100	viites in bronenes
	Picea pungens	blue spruce	6	254	100	Marking Land
	Picea pungens Picea pungens	blue spruce blue spruce	5 6	254	91 94	Multi trunk (4, 2.5), invasive species growing in tree Multi trunk (1, 3, 5), vines growing in branches
	Thuja occidentalis	arborvitae	9	572	78	Multi trunk (5.5, 7.5), building in crz, leaning form
	Thuja occidentalis Thuja occidentalis	arborvitae arborvitae	8 6	452 254	91 91	Multi trunk (5, 6), building in crz Building in crz
	Thuja occidentalis	arborvitae	7	346	91	Multi trunk (3.5, 4, 5), building in crz
	Thuja occidentalis Thuja occidentalis	arborvitae arborvitae	7 9	346 572	88 91	Building in crz, branching over roof Multi trunk (5, 5, 4, 2, 4, 2), building in crz
	Thuja occidentalis	arborvitae	6.5	298	81	Building in crz, branching over roof, dead trunk
	Thuja occidentalis	arborvitae	11	855	91	Building in crz, leaning form
	Quercus alba Nyssa sylvatica	white oak blackgum	10 7	707 346	94 94	Poor form Crowded crz, poison ivy in trunk
	Nyssa sylvatica	blackgum	7.5	397	94	Dead tree leaning on trunk, leaning form, crowded crz
	<i>Nyssa sylvatica</i> Pyrus calleryana	blackgum Callery pear	11.5 10	934 707	91 59	Crowded crz, poison ivy at the base of trunk, lopsided branches
	Liquidambar styraciflua	sweetgum	8	452	84	
	Pyrus calleryana Pyrus calleryana	Callery pear Callery pear	8.5 10	707	78 78	
T3332	Salix alba	white willow	6	254	91	Multi trunk (4, 4)
	Salix alba Salix alba	white willow white willow	7 7	346 346	91 63	Multi trunk (6.5, 2) Multi trunk (3, 3, 5)
	Robinia pseudoacacia	black locust	11	855	78	Multi trunk (10, 5)
	Robinia pseudoacacia Robinia pseudoacacia	black locust black locust	6 7 <i>.</i> 5	254 397	84 75	
	Juglans nigra	black walnut	8	452	88	
	Prunus serotina	black cherry	7 10	346	69 88	
	Juglans nigra Prunus serotina	black walnut black cherry	10	707	91	
T3370	Metasequoia glyptostroboides	dawn redwood	11	855	81	
	Morus alba Malus angustifolia	white mulberry southern crab apple	7 11	346 855	56 72	Multi trunk (7.5, 6, 5)
T3449	Morus rubra	red mulberry	11	855	88	
	Liquidambar styraciflua Ulmus pumila	sweetgum Siberian elm	8 8	452 452	94 88	Multi trunk (1.5, 3, 3, 6.5), on pond edge
T3471	Ulmus pumila	Siberian elm	6	254	91	Multi trunk (4, 4), on pond edge
	Ailanthus altissima Ulmus pumila	tree of heaven Siberian elm	6 6	254 254	84 84	
T3474	Cupressus x leylandii	Leyland cypress	8	452	78	
	Cupressus x leylandii Cupressus x leylandii	Leyland cypress Leyland cypress	10 9	707 572	75 75	
T3477	Cupressus x leylandii	Leyland cypress	10	707	78	Multiteral (O. A)
	Cupressus x leylandii Cupressus x leylandii	Leyland cypress Leyland cypress	9 8	572 452	91 91	Multi trunk (8, 4) Multi trunk (7, 4)
	Cupressus x leylandii	Leyland cypress	9	572	91	Multi (5, 8)
	Cupressus x leylandii	Leyland cypress	9 10	572	91 91	Multitrunk (3, 4, 7)
	Cupressus x leylandii Cupressus x leylandii	Leyland cypress Leyland cypress	10 9	707 572	91 91	Multi trunk (7, 6, 3, 3) Multi trunk (7, 5)
T3485	Cupressus x leylandii	Leyland cypress	9	572	88	Multitrunk (8, 4, 3)
	Cupressus x leylandii Cupressus x leylandii	Leyland cypress Leyland cypress	10 9	707 572	84 84	Multi trunk (8, 5, 3) Multi trunk (7, 5, 3)
T3488	Cupressus x leylandii	Leyland cypress	9	572	84	Multitrunk (7, 5)
	Cupressus x leylandii Cupressus x leylandii	Leyland cypress Leyland cypress	10 9	707 572	84 81	Multi trunk (9, 3, 3, 2, 2) Multi trunk (8, 5)
T3491	Cupressus x leylandii	Leyland cypress	8	452	78	Multi trunk (2, 7, 4)
	Cupressus x leylandii Cupressus x leylandii	Leyland cypress Leyland cypress	10 9	707 572	88 84	Multi trunk (9, 4, 2) Multi trunk (7, 6)
	Cupressus x leylandii	Leyland cypress	10	707	81	Multi trunk (7, 5, 4, 3)
	Cupressus x leylandii Cupressus x leylandii	Leyland cypress	8 9	452 572	78 81	Multi trunk (6, 4, 3) Multi trunk (7, 5, 2)
	Cupressus x leylandii Cupressus x leylandii	Leyland cypress Leyland cypress	8	452	88	Multi trunk (7, 5, 2) Multi trunk (6, 4, 3)
	Cupressus x leylandii Pinus strobus	Leyland cypress eastern white pine	10 11	707 855	78 84	
	Pinus strobus Pinus strobus	eastern white pine eastern white pine	10.5	779	66	
T3507			4.0	707	88	
T3507 T3510 T3529	Robinia pseudoacacia	black locust	10 11		QΛ	
T3507 T3510 T3529 T3530	Robinia pseudoacacia Robinia pseudoacacia Prunus serotina	black locust black cherry	10 11 11.5	855 934	94 66	Wound in trunk, dead limbs, leaning

CONSULTANTS REGISTRATION STAMP PROJECT TITLE 14500 AVERY ROAD ROCKVILLE, MD 20853 MARK DATE AMT FILE NO. SCALE: DESIGNED BY: DRAWN BY: CHECKED BY: SHEET TITLE

A. MORTON THOMAS AND ASSOCIATES, INC.

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RFP 08-25 ADDENDUM 1



"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."

CITY OF ROCKVILLE DEPARTMENT OF RECREATION **AND PARKS**

111 MARYLAND AVENUE ROCKVILLE, MD 20850

REDGATE PARK

REVISIONS DESCRIPTION

17-1015.002 8/7/2024 AS NOTED EMB AES

NATURAL RESOURCE INVENTORY/FOREST STAND DELINEATION

Preliminary 07/14/2025 11:27:14 AM

T3938	Betula nigra	river birch	5	177	81	4 trunks (3, 3, 2, 1)
T3961	Koelreuteria paniculata	golden rain tree	11.5	934	66	Dead limbs, leaning
T3963	Picea abies	Norway spruce	11	855	72	Broken limbs, vines on trunk
T3964	Tsuga canadensis	eastern hemlock	11	855	78	Vines on trunk and in canopy
T3967	Metasequoia glyptostroboides	dawn redwood	9	572	25	2 trunks (6.5, 6.5), vines on trunk and in canopy, in decline
T3975	Tsuga canadensis	eastern hemlock	10	707	72	Broken limbs
T3981	Prunus serotina	black cherry	10	707	66	Vines on trunk, dead leader
T3982	Metasequoia glyptostroboides	dawn redwood	7	346	78	
T3983	Metasequoia glyptostroboides	dawn redwood	7	346	78	2 trunks (4, 6), dead limbs
T3992	Liquidambar styraciflua	sweetgum	9	572	81	Vines on trunk and in canopy
T3993	Cupressus x leylandii	Leyland cypress	8	452	81	Vines on trunk and in canopy
	Cupressus x leylandii	Leyland cypress	8	452	81	2 trunks (6, 6), vines on trunk and in canopy
T3995	Cupressus x leylandii	Leyland cypress	9	572	81	2 trunks (5, 8), vines on trunk and in canopy
T3996	Liquidambar styraciflua	sweetgum	6	254	94	Vines on trunk
13997	Acer rubrum	red maple	6	254 0	100	
NEESIT	E CRZ-PER LOCATION AS A	ROVE		U		
	Fagus sylvatica	European beech	26	4776	94	Purple leaf cultivar
	Cupressus x leylandii	Leyland cypress	8	452	84	Multi trunk (3, 5.5, 3, 3.5)
T3300	Fagus sylvatica	European beech	22	3419	88	Purple leaf cultivar
T3301	Nyssa sylvatica	blackgum	6	254	56	
	Acer rubrum	red maple	9	572	56	
	Prunus serotina	black cherry	8	452	53	Multi trunk (3.5, 3.5, 2.5, 6), growing into 2 other trees
	Prunus serotina	black cherry	16	1809	50	Other tree cutting into trunk
T3305	Pyrus calleryana	Callery pear	11	855	78	Multitrunk (7, 8)
	Platanus occidentalis	American sycamore	13.5	1288	84	
T3307	Cryptomeria japonica	Japanese cryptomeria	11	855	91	Multitrunk (8, 7)
	Cryptomeria japonica	Japanese cryptomeria	10	707	94	mate dam(s) / /
	Liriodendron tulipifera	tulip tree	32	7235	81	Multi trunk (20, 22, 12)
	Malus angustifolia	southern crab apple	12	1017	69	Multi trunk (9, 2, 7)
	Malus angustifolia	southern crab apple	19	2550	66	Multi trunk (11, 8.5, 13)
	Cryptomeria japonica	Japanese cryptomeria	10	707	91	
	Morus alba	white mulberry	15	1590	50	Multi trunk (9, 12)
	Cryptomeria japonica	Japanese cryptomeria	11	855	88	Maid Cank (3, 12)
	Pyrus calleryana	Callery pear	14	1385	81	
	Pyrus calleryana	* *	17	2042	47	In decline
	•	Callery pear	18		75	
	Pyrus calleryana	Callery pear	12	2289		Multi trunk (12, 8, 9, 5)
	Pyrus calleryana	Callery pear	18	1017	66 60	Multitrunk (10, 11, 11)
	Juniperus virginiana	eastern redcedar	ŀ	2289	69	Maintralik (10, 11, 11)
	Liriodendron tulipifera	tulip tree	20.5	2969	94	Co dominant about dish
	Acer negundo	blocklosust	9	572	84 72	Co-dominant above dbh
	Robinia pseudoacacia	black locust	9	572	72 75	Dood looder
	Prunus serotina	black cherry	10	707	75 0.4	Dead leader
	Juglans nigra	black walnut	32	7235	94	March: A I. (40, 20)
	Quercus rubra	northern red oak	55 .	21372	97	Multi trunk (40, 38)
	Juglans nigra	black walnut	25 24	4416	81	
	Quercus alba	white oak	34	8167	94	
	Quercus alba	white oak	25	4416	84	
	Prunus serotina	black cherry	30	6359	72	Multitrumk (20, 2 E, 7)
	Acerrubrum	red maple	31	6789	81	Multi trunk (30, 2.5, 7)
	Acerrubrum	black locust	18	2289	88	
	Quercus phellos	willow oak	26	4776	91	
	Quercus rubra	northern red oak	23	3737	88	
	Quercus rubra	northern red oak	18	2289	88	
	Quercus rubra	northern red oak	18	2289	94	
Г3535	Quercus rubra	northern red oak	19	2550 0	81	

RESOURCE DATA TABLE (INFORMATION TO BE SHOWN IS SQUARE FEET)	TOTAL AREA	IMPACTED AREA	NOT IMPACTED	AFFORESTATION OR REFORESTATION	CLEARED FOREST
PRIORITY FOREST	904,769.34	N/A	N/A	N/A	N/A
NON-PRIOIRTY 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 REQURED %	MTC SF REQUIRED	
5,707,470.17	PARK	15	856,120.53	

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

				REDGATE PARK			
A. Total tract	area						5,707,470.17
B. Deductions	3						0.00
C. Net Tract A	Area				.=		5,707,470.17
LAND USE CA	ATEGORY:						
ZONING: Place a "1" under the column corresponding to the correct zone of the site	R-400, R-200	R-90, R-75, R-60, R-150	A CONTRACTOR OF THE PARTY OF TH	I-L, I-H, RPR, RPC, MXT, MXC, MXNC, MXB, MXE, MXCD, MXTD			
Zone:	0	0	0	1			
(choose only o	one)						
D. Afforestation	on Threshold				15%	xF=	856,120.53
E. Conservati	on Threshold				15%	xF=	856,120.53
EXISTING FOR	REST COVER:						
F. Existing fo	rest cover (with	in net tract).		.=			1,328,329.82
G. Area of for	est above cons	ervation thres	hold	=			472,209.29
BREAK EVEN	POINT:						
H. Breakeven	Point (amount	of forest reta	ined so that i	no mitigation is required)	=		950,562.38
	mitted without				The state of the s		377,767.44

	S	OILS 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	В
1C	GAILA SILT LOAM, 8-15% SLOPES	0.43	WELL DRAINED	NO	5	В
2B	GLENELG SILT LOAM, 3-8% SLOPES	0.37	WELL DRAINED	NO	0	В
2UB	GLENELG-URBAN LAND COMPLEX, 0-8% SLOPES	0.28	WELL DRAINED	NO	0	В
2UC	GLENELG-URBAN LAND COMPLEX, 8-15% SLOPES	0.28	WELL DRAINED	NO	0	В
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	В
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

FOREST STAND SUMMARY ANALYSIS Property Name: | Redgate Park 14500 Avery Road, Rockville, MD 20853 Prepared By: Erin Batlas, Lauren Gray, Maliyah Hatchell Date: 6/27/2024 Stand #13 Plot #1 Stand #1 Plot #1 Stand #2 Plot #1 Stand #3 Plot #1 Stand #4 Plot #1 Stand #5 Plot #1 Stand #6 Plot #1 Stand #7 Plot #1 Stand #8 Plot #1 Stand #9 Plot #1 Stand #10 Plot #1 Stand #11 Plot #1 Stand #12 Plot #1 (S3P1) (S5P1) (S6P1) (S9P1) (S12P1) (S13P1) Quercus montana, Nyssa . Dominant species/ Liriodendron tulipifera, Acer Nyssa sylvatica, Quercus Acer rubrum Quercus alba Liriodendron tulipifera Quercus alba, Quercus rubra Nyssa sylvatica, Quercus alba Liriodendron tulipifera American Beech Nyssa sylvatica, Quercus rubra Prunus serotina Nyssa sylvatica Codominant species rubrum, Quercus rubra montana sylvatica River Birch - Sycamore River Birch - Sycamore Chestnut Oak Association Tulip Poplar Association Chestnut Oak Association Tulip Poplar Association Chestnut Oak Association Chestnut Oak Association Chestnut Oak Association 2. Forest Association Tulip Poplar Association Chestnut Oak Association Chestnut Oak Association Tulip Poplar Association Association Association Early-Mid 100 Early Early-Mid Early-Mid Early-Mid Early Early-Mid Early . Successional stage 105 4. Basal area in s.f. per acre 110 5. Size class of dominant 10-17.9" dbh 2-5.9" dbh 10-17.9" dbh 10-17.9" dbh 2-5.9" dbh 2-5.9" dbh 10-17.9" dbh 18-29.9" dbh 18-29.9" dbh 6-9.9" dbh 18-29.9" dbh 2-5.9" dbh 10-17.9" dbh 95.8 6. Percent of canopy closure . Number of tree species Juniperus virginana, Rubus Acer rubrum, Nyssa sylvatica, Nyssa sylvatica, Lonicera Acer rubrum, Nyssa sylvatica, Acer rubrum, Nyssa sylvatica, Acer rubrum, Nyssa sylvatica, Rosa ssp., Celastrus phoenicolasius, rosa ssp., llex opaca, Lonicera mackii, Rubus phoenicolasius, Prunus Lonicera maackii, Celastrus Nyssa sylvatica, Carya maackii, Acer rubrum, Lonicera maackii, Berberis Nyssa sylvatica, Fagus llex opaca, Lonicera maackii, 8. Common understory species Carpinus caroliniana, Berberis Prunus serotina, Carya Kalmia latifolia, llex opaca, orbiculatus, Similax orbiculatus, Rubus Vaccinium angustifolium, llex Parthenocissus quercifolia Liriodendron tulipifera, grandifolia serotina, Ligustrum japonicum tomentosa, Fagus grandifolia thunbergii, Rosa ssp. Rubus phoenicolasius rotundifolia, Albizia julibrissin tomentosa Ligustrum japonicum thunbergii phoenicolasius Lonicera maackii opaca 9. Percent of understory cover 42 37 15 34 8 76 3' to 20' tall 10. Number of understory 3 species 3' to 20' tall Toxicodendron radicans, Prunus serotina, Rubus Quercus montana, Prunus Quercus montana, Dryopteris marginalis, Prunus serotina, Lonicera japonica, Lonicera phoenicolasius, Ampelopsis Celastrus orbiculatus, Acer Parthenocissus quinquefolia, serotina, Liriodendron Wisteria sp., Toxicodendron Celastrus orbiculatus, Lonicera | Euonymus fortunei, Celastrus Parthenocissus quinquefolia, maackii, Toxicodendron Microstegium vimineum, brevipedunculata, rubrum, Prunus serotina, Vitis Parthenocissus quinquefolia, Quercus montana, Rubus Celastrus orbiculatus, Trifolium repens, Vitis sp., maackii, Parthenocissus orbiculatus, Phytolacca Cirsium vulgare, Celastrus tulipifera, Microstegium radicans, Ampelopsis 11. Common herbaceous radicans, Ampelopsis Trillium grandiflorum, Parthenocissus quinquefolia, sp., Berberis thunbergii, Vitis sp., Lonicera maackii, phoenicolasius, Parthenocissus quinquefolia, Celastrus orbiculatus, quinquefolia, Toxicodendron americana, Toxicodendron orbiculatus, Vitis ssp , vimineum, Acer rubrum, brevipedunculata, brevipedunculata, Celastrus orbiculatus, Carya Polystichum acrostichoides, Parthenocissus quinquefolia, Celastrus orbiculatus, Toxicodendron radicans, Acer Toxicodendron radicans, species radicans, Similax rotundifolia, |radicans, Similax rotundifoliar, Ampelopsis brevipedunculata Microstegium vimineum, Parthenocissus quinquefolia, Parthenocissus quinquefolia, rubrum, Similax rotundifolia, Rubus phoenicolasius Microstegium vimineum, Similax rotundifolia, Microstegium vimineum, Phytolacca americana, Rubus tomentosa, Impatiens Ampelopsis brevipedunculata Similax rotundifolia, Celastrus orbiculatus, Carya Quercus phellos, Rhus typhina llex opaca Solanum carolinense Toxicodendron radicans Microstegium vimineum campensis Microstegium vimineum, phoenicolasius Ligustrum japonicum, tomentosa, Lonicera maackii Celastrus orbiculatus Lespedeza sp. Loxicodendron radicans, Prunus serotina, Rubus Quercus montana, Quercus montana, Prunus Dryopteris marginalis, Lonicera japonica, Lonicera phoenicolasius, Ampelopsis Celastrus orbiculatus, Acer Prunus serotina, Parthenocissus quinquefolia, Parthenocissus quinquefolia, serotina, Liriodendron Wisteria sp., Toxicodendron Celastrus orbiculatus, Lonicera | Euonymus fortunei, Celastrus maackii, Toxicodendron Microstegium vimineum, brevipedunculata, rubrum, Prunus serotina, Vitis Parthenocissus quinquefolia, Quercus montana, Rubus Celastrus orbiculatus, maackii, Parthenocissus Trifolium repens, Vitis sp., orbiculatus, Phytolacca Cirsium vulgare, Celastrus tulipifera, Microstegium radicans, Ampelopsis 12. Common herbaceous & radicans, Ampelopsis Trillium grandiflorum, Parthenocissus quinquefolia, sp., Berberis thunbergii, Vitis sp., Lonicera maackii, phoenicolasius, Parthenocissus quinquefolia, orbiculatus, Vitis ssp , quinquefolia, Toxicodendron vimineum, Acer rubrum, americana, Toxicodendron Celastrus orbiculatus, brevipedunculata, Celastrus orbiculatus, Carya woody plant cover 0' to 3' tall Polystichum acrostichoides, Parthenocissus quinquefolia, Toxicodendron radicans, brevipedunculata, Celastrus orbiculatus, Toxicodendron radicans, Acer Ampelopsis brevipedunculata Microstegium vimineum, Parthenocissus quinquefolia, Parthenocissus quinquefolia, radicans, Similax rotundifolia, |radicans, Similax rotundifoliar, Similax rotundifolia, Microstegium vimineum, rubrum, Similax rotundifolia, Rubus phoenicolasius Microstegium vimineum, tomentosa, Impatiens Phytolacca americana, Rubus Ampelopsis brevipedunculata Similax rotundifolia, Celastrus orbiculatus, Carya Quercus phellos, Rhus typhina llex opaca Solanum carolinense Microstegium vimineum, Toxicodendron radicans phoenicolasius Microstegium vimineum campensis tomentosa, Lonicera maackii Ligustrum japonicum, Celastrus orbiculatus Lespedeza sp. Lonicera maackii, Rubus Lonicera maackii, Cirsium Similax rotundifolia, Microstegium vimineum, Celastrus orbiculatus, Rubus phoenicolasius, Celastrus orbiculatus, Rubus Similax rotundifolia, phoenicolasius, Euonymus vulgare, Microstegium mpelopsis brevipedunculata, Microstegium vimineum, onicera maackii, Celastrus Ampelopsis brevipedunculata, Microstegium vimineum, Berberis thunbergii, Rubus Celastrus orbiculatus, Lonicera 13. List of major invasive plant Celastrus orbiculatus, Celastrus orbiculatus, Berberis phoenicolasius, Similax Ampelopsis brevipedunculata, fortunei, Celastrus orbiculatus, Similax rotundifolia, Celastrus orbiculatus, Lonicera Berberis thunbergii, Rubus orbiculatus, Rubus maackii, Similax rotundifolia vimineum, Celastrus Lonicera maackii, Lonicera phoenicolasius, Celastrus rotundifolia, Microstegium Albizia julibrissin, Wisteria sp., Similax rotundifolia, species & percent of cover flicrostegium vimineum - 26% thunbergii, Microstegium orbiculatus, Ampelopsis aponica, Solanum carolinense Microstegium vimineum, maackii - 20% phoenicolasius, Celastrus phoenicolasius - 7.4% orbiculatus - 4.8% 1.4% Ampelopsis brevipedunculata vimineum - 51% vimineum - 13.4% Celastrus orbiculatus - 70% brevipedunculata - 64% Rubus phoenicolasius - 29% orbiculatus - 52% Lespedeza sp. - 51% *50%* 14. Number of standing dead 0 2 3 2 0 3 trees ≥6" dbh 15. Comments

Preliminary
07/14/2025 11:27:23 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."

CITY OF ROCKVILLE
DEPARTMENT OF RECREATION
AND PARKS

111 MARYLAND AVENUE

ROCKVILLE, MD 20850

PROJECT TITLE

DRAWN BY:

CHECKED BY:

SHEET TITLE

REDGATE PARK

14500 AVERY ROAD

ROCKVILLE, MD 20853

	REVISIONS				
MARK	DATE	DESCRIPTION			
AMT F	ILE NO.	17-1015.002			
DATE:		8/7/2024			
SCALE	:	AS NOTED			
DESIG	NED BY:	EMB			

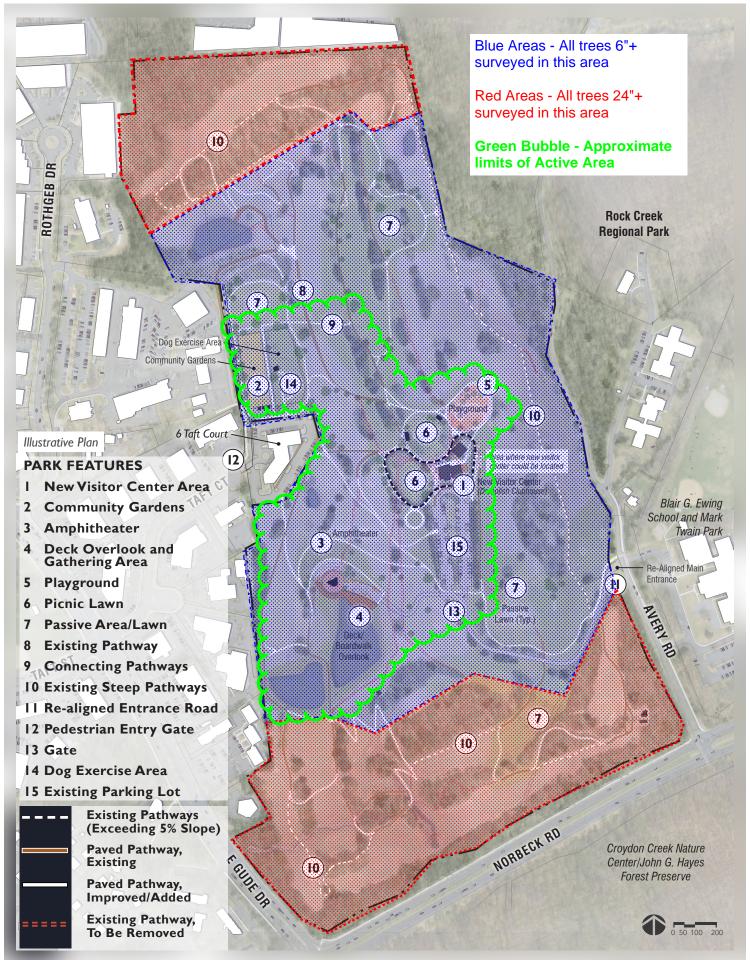
NATURAL RESOURCE INVENTORY/FOREST STAND DELINEATION

EMB

AES

LN-113
SHEET 13 OF

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



Checklist for Forest Conservation Plan

11/24

City of Rockville *Department of Community Planning and Develop*

-	ment of Community Planning s/Forestry Division	-			
	ryland Avenue, Rockville, Maryl 240-314-8700 • Fax: 240-314	and 20850			
Type of	FCP (check one):				
◯ı SFD	☐ Forestry-SWM Overlay	O Pre FCP	○ Final FCP	○ Amended FCP	
		Pleas	e Print Clearly	or Type	
Project N	Name:				
Legal De	escription of Property:				
Tax Acct	i. ID(s):				
Size of F	Property:				
Name of	f Firm Preparing Plan:				
Contact	Name:			Phone:	
Email:_			Limits of Di	sturbance:	
Type of I	Plan Submission to CPDS (chec	k one): O STP	O SPX O PJ	T OSFD	
CPDS Ca	ase 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.

Application Section 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
- Completed forest conservation worksheet
- 3. _____ Minimum tree cover table
- 4. _____ Plan showing proposed limits of disturbance, all significant trees, CRZ's and disposition
- 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
Page 2
11/24

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
	Limits of disturbance
6.	
	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.
	Stockpile areas for soil, material, equipment and staging
10.	Concrete washout area
11.	Location of temporary trailers including construction and sales
	All existing and proposed utility locations, easements and rights of way
	Proposed dedication including road and land areas
14.	Location and type of sediment control measures
	Current Erosion and Sediment Control plan
	Sequence of construction (must match Sediment Control Sequence)
	Forest retention areas including size of area(s) and priority designation of area(s)
	Forest cleared areas including size of area(s) and priority designation of area(s)
19.	Reforestation and afforestation areas
	Location and type of tree protection measures
	Location of permanent protection devices
	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 plantir list with type, size, quantity, and form for all trees
	City of Rockville Tree Planting Details
27.	City of Rockville Forest and Tree Preservation Ordinance Notes
	Landscape plan
	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
Page 3
11/24

	Family Dwellings All applicable items from the NR	II/FSD except if submitting a combined plan
	Significant tree table from approved NRI with proposed disposition of all trees (save or remove), number of	
2.		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	
of removal		lings, sidewalks, utilities, fences, driveways, etc. to be removed and method
6.	All proposed construction including house, sidewalks, stormwater management facilities, walls, paths, sheds, driveway	
	Stockpile areas for soil, material, equipment and staging	
	Concrete washout area	
	All existing and proposed utility locations, easements and rights of way	
	Proposed dedication including road and land areas	
	Proposed landscaping showing location of significant replacement trees	
	Plant list with tree types, sizes and form	
	Sequence of construction	
	Location and type of tree protec	
	Specifications/details for tree protection measures	
	Specifications/details for tree m	
	City of Rockville Tree Planting Details City of Rockville Forest and Tree Preservation Ordinance Notes Written justification for removing specimen trees	
	Hhe Erosion and Sediment Control Plan	
21	Any other information the City Forester deems necessary	
Additional	Requirements:	
Comments	S.	
 Date		Name of Firm Preparing Plan
		g
Signature of Plan Preparer		Type or Print Name
Plan Prepare	er Qualification	
Checklist up	dated November 2024	

FCP Checklist