MONTGOMERY COUNTY HISTORIC PRESERVATION COMMISSION
STAFF REPORT

Address:	6101 Wilson Lane, Bethesda	**Meeting Date:**	3/24/2021
Resource:	Master Plan Site #35/016-000A **(C.W. Lansdale House/Landon School)**	**Report Date:**	3/17/2021
		Public Notice:	3/10/2021
Applicant:	Landon School Corporation (Cox Graae & Spack, Architect)		
		Tax Credit:	No
Review:	HAWP	**Staff:**	Michael Kyne
Permit Number:	943984		

PROPOSAL: New fencing, driveway/entrance alterations, new gatehouse

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STAFF RECOMMENDATION:

Staff recommends that the HPC **approve** the HAWP application.

ARCHITECTURAL DESCRIPTION:

SIGNIFICANCE: Master Plan Site #35/016-000A, *C.W. Lansdale House/Landon School*
DATE: East End by 1876; Central section c1887-93; West End 1939

Excerpt from *Places from the Past*:

> Over the course of a century, the Lansdale House evolved from a modest log house on a farmstead to a four-part academic residence on a private school campus. When Christopher W. Lansdale purchased the 73-acre property in 1843, a log house may already have been standing. Lansdale expanded the house to six rooms by 1876. This early section, the eastern (left) part of the house, has an external east end chimney with a free-standing stack. About 1890, the center section was built, enlarging the house to eight rooms, adding a dining room, second staircase, and upstairs bedroom. It was probably during this era when a two-level gallery porch was built on the south side.
>
> The farmstead included a summer kitchen, bank barn with 32 cow stalls, 8-horse stable, double corncrib, hen house, and meat house. The bank barn and stable are still standing. In 1936, Mary Lee and Paul Landon Banfield, founders of the Landon School, purchased the property and established a school campus that was designed by architect Horace Peaslee. The Banfields had established their prestigious boys' school in 1929 in the District of Columbia, moved it to Bradley Boulevard in 1934, and then to its present site. Peaslee also designed the renovation and expansion of the residence. His two-story west addition (1939) included a kitchen, pantry, and library on the first level and one large room on the second. The project included enclosing the first level of the south gallery and moving the front door. The house is currently used as a faculty residence and meeting place.

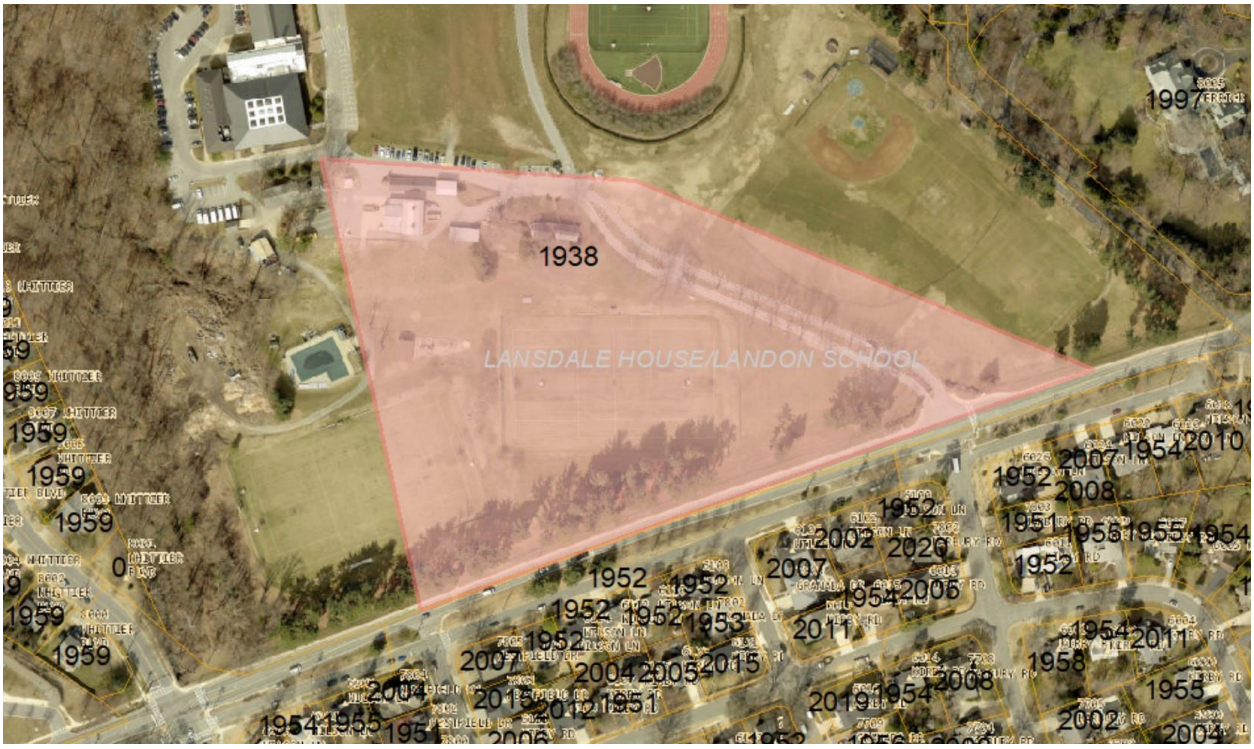


Fig. 1: Subject property.

PROPOSAL:

The applicant proposes new fencing, driveway/entrance alterations, and a new gatehouse at the subject property.

APPLICABLE GUIDELINES:

When reviewing alterations and new construction at Master Plan Sites several documents are to be utilized as guidelines to assist the Commission in developing their decision. These documents include *Montgomery County Code Chapter 24A (Chapter 24A)* and *the Secretary of the Interior's Standards for Rehabilitation (Standards)*. The pertinent information in these documents is outlined below.

Montgomery County Code; Chapter 24A-8

(b) The commission shall instruct the director to issue a permit, or issue a permit subject to such conditions as are found to be necessary to insure conformity with the purposes and requirements of this chapter, if it finds that:

(1) The proposal will not substantially alter the exterior features of an historic site or historic resource within an historic district; or

(2) The proposal is compatible in character and nature with the historical, archeological, architectural or cultural features of the historic site or the historic district in which an historic resource is located and would not be detrimental thereto or to the achievement of the purposes of this chapter; or

(3) The proposal would enhance or aid in the protection, preservation and public or private utilization of the historic site or historic resource located within an historic district in a manner compatible with the historical, archeological, architectural or cultural value of the historic site or historic district in which an historic resource is located; or

(4) The proposal is necessary in order that unsafe conditions or health hazards be remedied; or

(5) The proposal is necessary in order that the owner of the subject property not be deprived of reasonable use of the property or suffer undue hardship; or

(6) In balancing the interests of the public in preserving the historic site or historic resource located within an historic district, with the interests of the public from the use and benefit of the alternative proposal, the general public welfare is better served by granting the permit.

(c) It is not the intent of this chapter to limit new construction, alteration or repairs to any 1 period or architectural style.

Secretary of the Interior's Standards for Rehabilitation:

2. The historic character of a property [or, as in this case, the historic district] shall be retained and preserved. The removal of historic materials or alteration of features and spaces that characterize a property shall be avoided; and

9. New additions, exterior alterations, or related new construction shall not destroy historic materials that characterize the property. The new work shall be differentiated from the old and shall be compatible with the massing, size, scale, and architectural features to protect the historic integrity of the property and its environment.

10. New additions and adjacent or related new construction shall be undertaken in such a manner that if removed in the future, the essential form and integrity of the historic property and its environment would be unimpaired.

STAFF DISCUSSION:

The subject property is the Master Plan-designated C.W. Lansdale House/Landon School (c. 1876-1939). While the Landon School currently encompasses approximately 70 acres, only a wedge-shaped section at the south end of the property is designated historic by the county (see Fig. 1). Although the applicant's proposal is within the environmental setting of the historic designation, it will not directly affect the historic C.W. Lansdale House.

The applicant proposes the following work items at the subject property:

- Widen the existing Landon School driveway/entrance from Wilson Lane at the south end of the property.
    - The existing pavement and curb will be removed.
    - The two-lane driveway will be widened to accommodate safety vehicle access.
    - The widened driveway will be repaved, and concrete curbs, and gutters will be installed on the sides of the new driveway.
    - There will be a sidewalk along the west (left, as viewed from Wilson Lane) side of the

new driveway.

- The existing chain link fencing along Wilson Lane will be replaced with 4’ high Aberdeen ornamental metal fencing, and new fencing of the same height and style will be installed along the Landon School driveway/entrance.
    - The proposed replacement fencing along Wilson Lane will be approximately 1500 LF.
    - The proposed new fencing along the driveway will be approximately 500 LF.
    - The proposed new fencing will continue along the driveway/entrance and terminate at the new gatehouse.
    - There will be six 5’ high masonry piers with granite caps located at the gatehouse.

- The existing frame gatehouse with hipped roof, slate roofing, and brick foundation will be removed, and a new gatehouse will be constructed closer to the entrance at Wilson Lane.
    - The new gatehouse will be brick-clad, with a hipped roof, slate roofing, aluminum framed glass sliding doors, and aluminum storefront windows.

- Other work items include:
    - Removal and replacement of the existing trees along the driveway.
        - Twenty-two (22) total trees are proposed for removal along the driveway.
        - The trees to be removed are sixteen (16) silver maples, two (2) red maples, one (1) black walnut, and three (3) crepe myrtles.
        - The applicant has indicated that the trees to be removed are in average to poor health, and some of the trees present a hazard to vehicles and pedestrians.
        - The applicant has an approved Natural Resources Inventory/Forest Stand Delineation (NRI/FSD) for the Landon School campus, and all of the proposed tree removals are included in their approved Forest Conservation Plan (FCP).
        - Thirty-six (36) new shade trees will be installed on either side of the proposed new driveway.
        - The new shade trees will all be one species, such as sugar maple, red maple, or London plane trees.
    - Removal and later reinstallation of the existing white rocks lining the driveway.
    - Replacement of signage, lighting, and traffic control features (bollards and gates) at the driveway entrance.
    - New crosswalk striping and a new ADA ramp with brick paving at the entrance to the walkway in front of the C.W. Lansdale House (see Fig. 2 below).

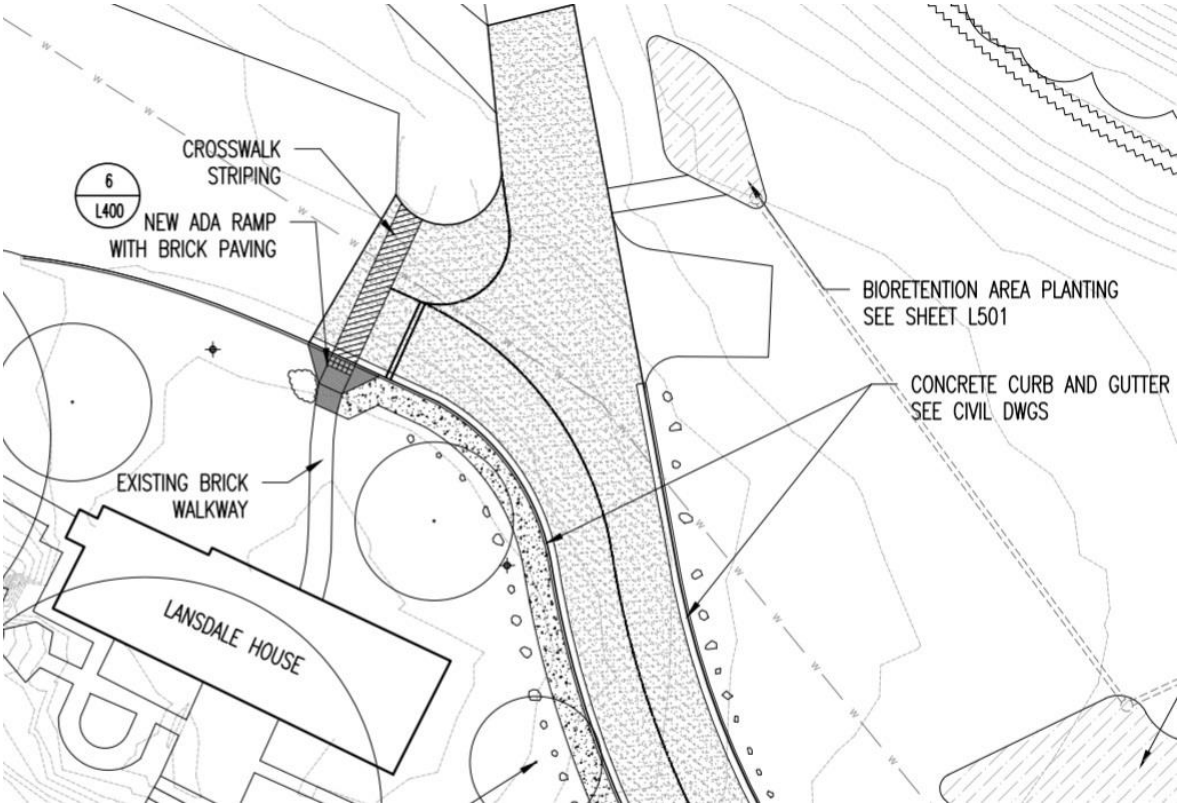


Fig. 2: Detail of the proposed new ADA ramp in front of the C.W. Lansdale House.

Staff fully supports the applicant's proposal. As noted, the proposed work items will not directly affect the historic C.W. Lansdale House, and the features being altered are key to the operation and function of the Landon School and its programming. Staff finds the proposed new fencing an appropriate replacement for the existing chain link fencing. The proposed replacement gatehouse is also appropriate, in terms of materials, size, and massing. Furthermore, the most substantial alteration –widening the existing driveway – is not only a compatible alteration, it is necessary to be compliant with current fire and safety codes.

Accordingly, staff finds that the proposal will not remove or alter character-defining features of the subject property, per *Standards #2* and *#9*. Additionally, the proposed alterations can be removed in the future without impairing the essential form and integrity of the historic property and its environment, in accordance with *Standard #10*.

After full and fair consideration of the applicant's submission staff finds the proposal as being consistent with the Criteria for Issuance in Chapter 24A-(b) 1 and 2, having found the proposal is consistent with the *Secretary of the Interior's Standards for Rehabilitation #2, #9, and #10* outlined above.

STAFF RECOMMENDATION:

Staff recommends that the Commission **approve** the HAWP application only for alterations to the main house under the Criteria for Issuance in Chapter 24A-8(b), having found that the proposal will not substantially alter the exterior features of the historic resource and is compatible in character with the district and the purposes of Chapter 24A;

and with the Secretary of the Interior's Standards for *Rehabilitation #2, #9,* and *#10.*

and with the general condition that the applicant shall present an electronic set of drawings, if applicable, to Historic Preservation Commission (HPC) staff for review and stamping prior to submission for the Montgomery County Department of Permitting Services (DPS) building permits;

and with the general condition that final project design details, not specifically delineated by the Commission, shall be approved by HPC staff or brought back to the Commission as a revised HAWP application at staff's discretion;

and with the general condition that the applicant shall notify the Historic Preservation Staff if they propose to make any alterations to the approved plans. Once the work is completed the applicant will contact the staff person assigned to this application at 301-563-3400 or michael.kyne@montgomeryplanning.org to schedule a follow-up site visit.

FOR STAFF ONLY:
HAWP# 943984
DATE ASSIGNED_____

APPLICATION FOR HISTORIC AREA WORK PERMIT

HISTORIC PRESERVATION COMMISSION
301.563.3400

APPLICANT:

Name: Landon School Corporation E-mail: Jim_Neill@landon.net

Address: 6101 Wilson Lane City: Bethesda Zip: 20817

Daytime Phone: 301-320-3200 Tax Account No.: 00426654

AGENT/CONTACT (if applicable):

Name: cox graae + spack architects E-mail: bwinterberg@cgsarchitects.com

Address: 2909 M Street NW City: Washington, D.C. Zip: 20007

Daytime Phone: 859-492-3223 Contractor Registration No.: NA

LOCATION OF BUILDING/PREMISE: MIHP # of Historic Property M:35-16

Is the Property Located within an Historic District? __Yes/District Name_____
X No/Individual Site Name CW Lansdale House/Landon School

Is there an Historic Preservation/Land Trust/Environmental Easement on the Property? If YES, include a map of the easement, and documentation from the Easement Holder supporting this application.
No, there are no Historic Preservation easements on the property.

Are other Planning and/or Hearing Examiner Approvals /Reviews Required as part of this Application? (Conditional Use, Variance, Record Plat, etc.?) If YES, include information on these reviews as supplemental information.
Yes, the Landon School exists as granted by Special Exception case number S-686-C.

Building Number: 6101 Street: Wilson Lane

Town/City: Bethesda Nearest Cross Street: Whittier Blvd.

Lot: _____ Block: _____ Subdivision: 0001 Parcel: A

TYPE OF WORK PROPOSED: See the checklist on Page 4 to verify that all supporting items for proposed work are submitted with this application. Incomplete Applications will not be accepted for review. Check all that apply:

- ☐ New Construction
- ☐ Addition
- ☑ Demolition
- ☑ Grading/Excavation
- ☐ Deck/Porch
- ☑ Fence
- ☑ Hardscape/Landscape
- ☐ Roof
- ☑ Shed/Garage/Accessory Structure
- ☐ Solar
- ☑ Tree removal/planting
- ☐ Window/Door
- ☐ Other:_____

I hereby certify that I have the authority to make the foregoing application, that the application is correct and accurate and that the construction will comply with plans reviewed and approved by all necessary agencies and hereby acknowledge and accept this to be a condition for the issuance of this permit.

Bill Spack, Principal — 03-03-2021

Signature of owner or authorized agent — Date

HAWP APPLICATION: MAILING ADDRESSES FOR NOTIFING
[Owner, Owner's Agent, Adjacent and Confronting Property Owners]

Owner's mailing address	**Owner's Agent's** mailing address
Landon School Corp. 6101 Wilson Lane Bethesda, MD 20817	cox graae + spack architects 2909 M Street NW Washington, D.C. 20007

Adjacent and confronting Property Owners mailing addresses

SEE LIST INCLUDED IN THIS APPLICATION	

DESCRIPTION OF PROPERTY: Please describe the building and surrounding environment. Include information on significant structures, landscape features, or other significant features of the property.

Landon School is a private, nonsectarian college preparatory school located in Bethesda, Maryland. The school, founded in 1929, has been located at its extant campus since 1936, when it purchased the extant campus, located at 6101 Wilson Lane, Bethesda, Maryland. The campus is now approximately seventy acres in size and has seventeen buildings with construction dates ranging from the mid-1800s to the 1990s.
The Property is located on the northern side of Wilson Lane east of its intersection with Whittier Boulevard. It is approximately 69.73634 acres (3,037,715 square feet) in size and is more specifically identified as Parcel "A," Landon School, as shown on Plat No. 21110 recorded among the Land Records of Montgomery County, Maryland on June 25, 1999. The Property is zoned R-90. The easternmost portion of the property is subject to a TDR-8.0 overlay zone for the potential increase in the maximum residential density, which Landon will not be pursuing. The Property is within the Bethesda-Chevy Chase Master Plan ("1990 Master Plan") area.
As shown on the Existing Conditions Plan and Existing Conditions Photographs, the Property is improved with various buildings associated with the Special Exception, as well as 362 surface parking spaces, and athletic facilities including several fields, an outdoor pool, tennis courts, and an athletic track. The total existing density on the Property is approximately 244,863 square feet. The existing buildings date from the mid-1800s to the 1990s.
The campus was constructed around the Lansdale Farmhouse and Barn, both of which date to the nineteenth century. The C.W. Lansdale House and surrounding land was designated a local historic site by the Montgomery County Historic Preservation Commission in 1990. The remaining campus, including the C.W. Lansdale House, was determined eligible for listing in the Maryland Inventory of Historic Places, as well as the National Register of Historic Places, in 2002.
The Landon School is an example of a private boys' school that was established in Bethesda during the 1930s. The preliminary campus plan for the campus was designed by Horace Peaslee, a prominent Washington, DC architect. Peaslee sensitively incorporated two historic properties, the Lansdale and Andrews houses, into the preliminary campus plan for the Landon School. Peaslee also designed a number of modern school buildings on the property during the 1939-1960 period that fit into the landscape and preserved the rural feel of the property. The locations and names of each of the buildings are depicted on the following image from the Landon Master Plan Summary Report.

DESCRIPTION OF WORK PROPOSED: Please give an overview of the work to be undertaken:

The scope of work for the project is to widen the existing Landon School entrance road and landscaping and provide an improved school entrance with controlled site access. Other features include new perimeter fencing, a gatehouse and gates for vehicular and pedestrian access security, new vehicular and pedestrian pavements, a new campus entrance sign, new shade and ornamental trees, new shrubs, perennials, a bioretention area planting, and new site lighting.
The existing two lanes for ingress/egress are noncompliant with the 20'-0" width requirement and will be widened to accommodate emergency vehicles. Additionally, the existing trees lining the roadway are in poor condition and hazardous to pedestrians and vehicles. The replacement trees will preserve the bucolic campus setting and be a safe distance from the widened roadway.

Work Item 1: New gatehouse at campus entrance.

Description of Current Condition:

There is currently a guard booth at the top of the driveway. The existing light wood frame guard house is in poor condition and in a location ill-suited for controlling vehicular and pedestrian access to the campus.

Proposed Work:

The existing light wood frame guard house will be demolished and removed. The new prefabricated, masonry-clad gate house will be closer to the campus entrance and have control of access to the campus. The new gate house will sit on a concrete curb and have direct supervision of ingress/egress to and from the campus. There will be three ornamental metal sliding gates located at the gatehouse. There will be one raisable gate arm operated by security staff personnel for the visitor lane. There will be two ornamental metal bollards in front of the gatehouse.

Work Item 2: Widen driveway to be compliant with safety width regulations.

Description of Current Condition:

The current two-lane drive with landscaping between lanes does not meet the 20'-0" width requirement for safety vehicle access.

Proposed Work:

The bituminous pavement and curb will be removed and the driveway lanes widened to accommodate safety vehicle access.
The roadway pavement will consist of: 2" bituminous surface course, 2" bituminous intermediate course, 3" bituminous base course, 4" dense graded aggregate base, pavement line markings.
Concrete curbs and gutters will be constructed on the sides of the driveway. There will be a sidewalk along the west side of the drive.

Work Item 3: Remove and replace existing trees lining the driveway.

Description of Current Condition:

There are existing trees lining the driveway that are ill and in poor health. They present a hazard to pedestrians and vehicles.

Proposed Work:

The trees will be replaced preserving the bucolic setting of the campus. The new landscaping will consist of:
3.5" caliper shade trees.
5 gallon container shrubs.
1 gallon container perennials and ornamental Grasses planted at 18" on center.
Seeded lawns.
There will also be a bio-retention area planting.

Work Item 4: Removal of existing white rocks lining the driveway for reinstallation at new driveway.

Description of Current Condition:	Proposed Work:
There are existing painted white rocks that line the driveway.	The white rocks will be removed and preserved for later use. The rocks will be reinstalled along the new driveway.

Work Item 5: Removal of existing brick ramp and coach light posts at Lansdale House.

Description of Current Condition:	Proposed Work:
Removal of existing brick ramp and coach light posts at Lansdale House.	A new ramp will be constructed to replace the deteriorating existing ramp. New light posts will replace the existing lights.

Work Item 6: Improvements to entrance.

Description of Current Condition:	Proposed Work:
There are existing serpentine walls, a sign wall, gates, gate posts and lamp posts located at the entrance at Wilson Lane.	The existing serpentine walls will be maintained and preserved. The sign wall, gates, gate posts and lamp posts will be removed. The limestone panel and pin letters will be preserved for re-use. The new campus sign will be a brick masonry sign wall with salvaged limestone panel and pin letters. Structurally it will be constructed of reinforced CMU wall core with concrete footing. Alternative campus sign could be: color finished aluminum metal sign panel with push-through color finished metal lettering on clear acrylic backing with internal LED illumination to backlight lettering.

Work Item 7: Replacement of chain link fence with ornamental metal fencing along Wilson Lane.

Description of Current Condition:	Proposed Work:
There is currently chain link fencing located on the Southern edge of the campus on Wilson Lane.	The existing chain link fencing will be replaced with Aberdeen ornamental metal fencing along Wilson Lane. This fencing will continue along the driveway and terminate at the new gatehouse. There will be six masonry piers with granite caps located at the gatehouse.

Work Item : _____

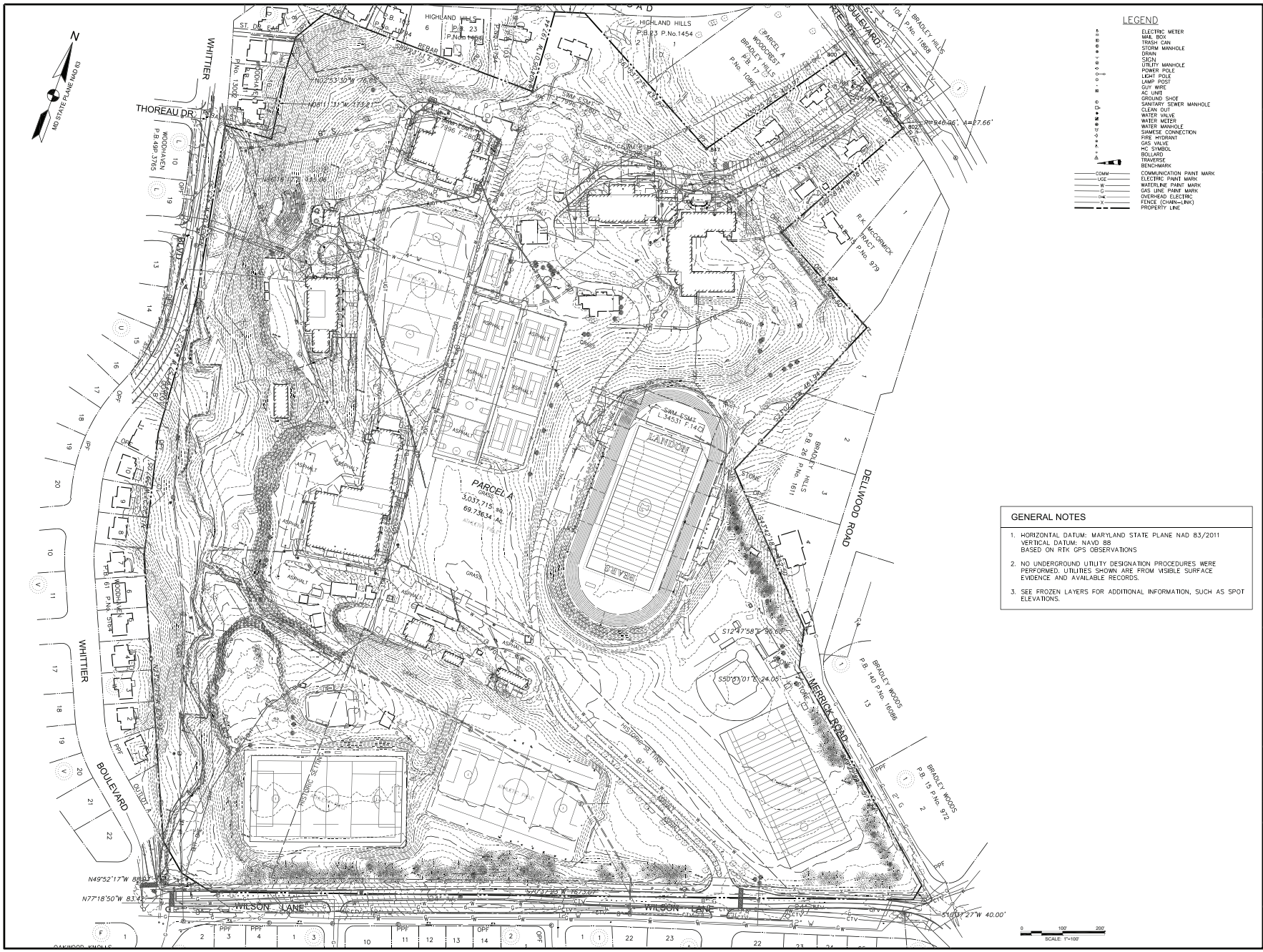
Description of Current Condition:	Proposed Work:

Work Item : _____

Description of Current Condition:	Proposed Work:

HISTORIC AREA WORK PERMIT
CHECKLIST OF
APPLICATION REQUIREMENTS

	Required Attachments						
Proposed Work	I. Written Description	2. Site Plan	3. Plans/ Elevations	4. Material Specifications	5. Photographs	6. Tree Survey	7. Property Owner Addresses
New Construction	*	*	*	*	*	*	*
Additions/ Alterations	*	*	*	*	*	*	*
Demolition	*	*	*		*		*
Deck/Porch	*	*	*	*	*	*	*
Fence/Wall	*	*	*	*	*	*	*
Driveway/ Parking Area	*	*		*	*	*	*
Grading/Excavation/Landscaing	*	*		*	*	*	*
Tree Removal	*	*		*	*	*	*
Siding/ Roof Changes	*	*	*	*	*		*
Window/ Door Changes	*	*	*	*	*		*
Masonry Repair/ Repoint	*	*	*	*	*		*
Signs	*	*	*	*	*		*



A. MORTON THOMAS AND ASSOCIATES, INC.
CONSULTING ENGINEERS
800 KING FARM BOULEVARD, 4TH FLOOR
ROCKVILLE, MD 20850
PHONE (301) 881-2545 | FAX (301) 881-0814
EMAIL: AMT1@AMTENGINEERING.COM

CONSULTANTS

STATE OF MARYLAND
AARON B. SMITH
No. 31198
PROFESSIONAL ENGINEER
10/14/20

LANDON SCHOOL

6101 WILSON LANE
BETHESDA, MD 20817

OWNER
LANDON SCHOOL
6101 WILSON LANE
BETHESDA, MD 20817

MARK	DATE	DESCRIPTION

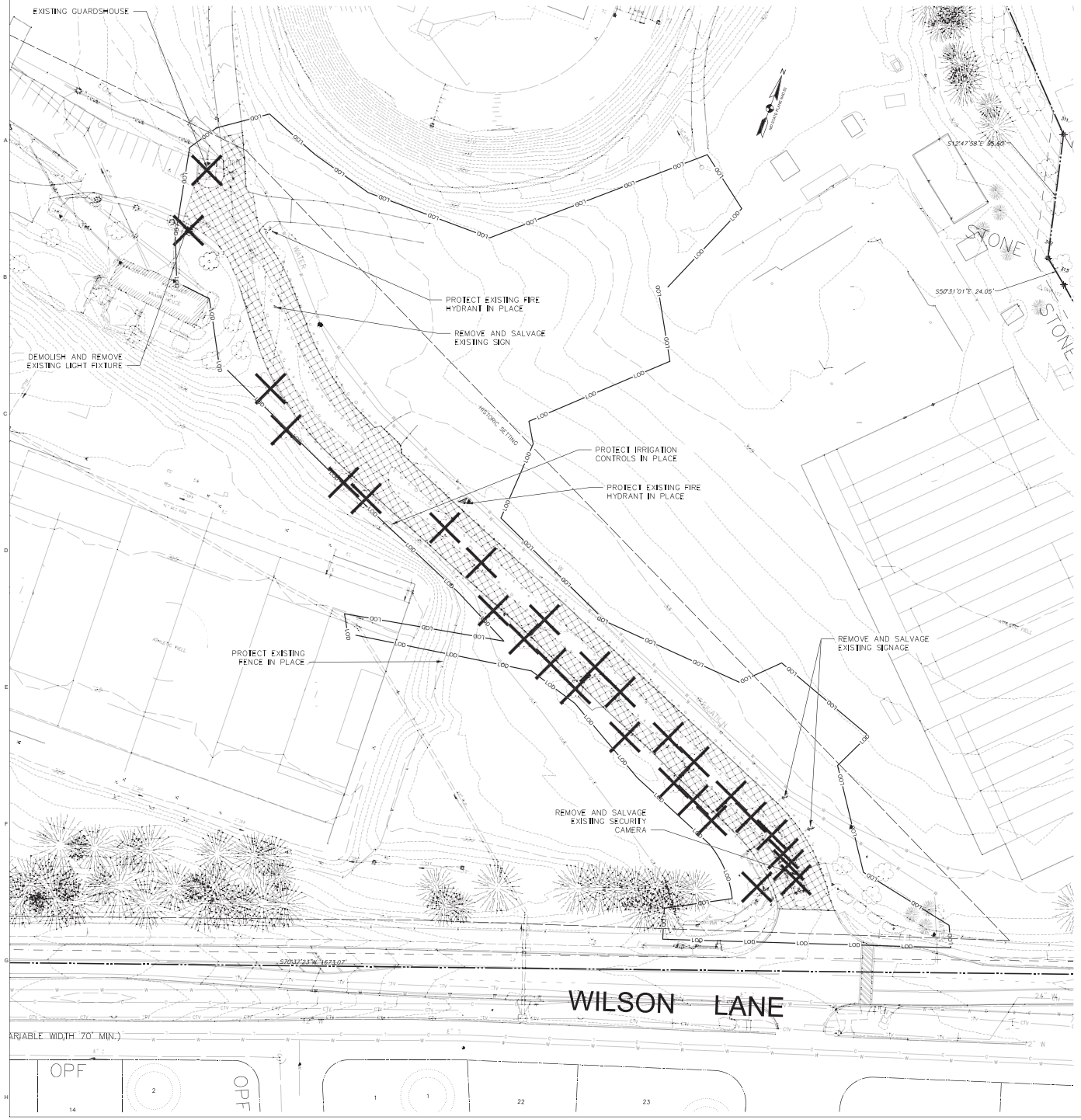
M-NCPPC PROJECT NO:	420201370, 42021029E
PROJECT NO:	17-0250.002
DATE:	10/09/2020
SCALE:	1"=100'
DESIGNED BY:	EFS
DRAWN BY:	EFS
CHECKED BY:	ABS

SHEET TITLE

EXISTING CONDITIONS
PLAN OVERALL

VF-100

SHEET OF



DEMOLITION PLAN LEGEND

- LOD — LIMIT OF DISTURBANCE
- DEMOLISH AND REMOVE EXISTING SITE FEATURE
- DEMOLISH AND REMOVE EXISTING ASPHALT PAVING

DEMOLITION NOTES

1. REMOVE AND SALVAGE WHITE STONES ADJACENT TO ROADWAY FOR REINSTALLATION. COORDINATE WITH SCHOOL FOR FINAL LOCATIONS OF STONES.

SCALE: 1"=30'

PROJECT
Landon School - Phase 0 - Welcome Center and Gatehouse

CLIENT
Landon School
6101 Wilson Lane
Bethesda Maryland 20817
T: 301.320.3200
F: #Client Fax

OWNER'S REPRESENTATIVE
Capital Projects Management
9208 Whitney Street
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F: 301.560.8700

ARCHITECT
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F: 202.965.7144

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STRUCTURAL ENGINEER
Linton Engineering
46090 Lake Center Plaza
Potomac Falls, VA 20165
T: 571.323.0320

MEP ENGINEER
Engenium Group
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Washington, DC 20001
T: 202.505.3646

LANDSCAPE ARCHITECT
Brian J. Stephenson + Co. LLC
3520 Quesada St. NW
Washington, DC 20015
T: 202.276.6522

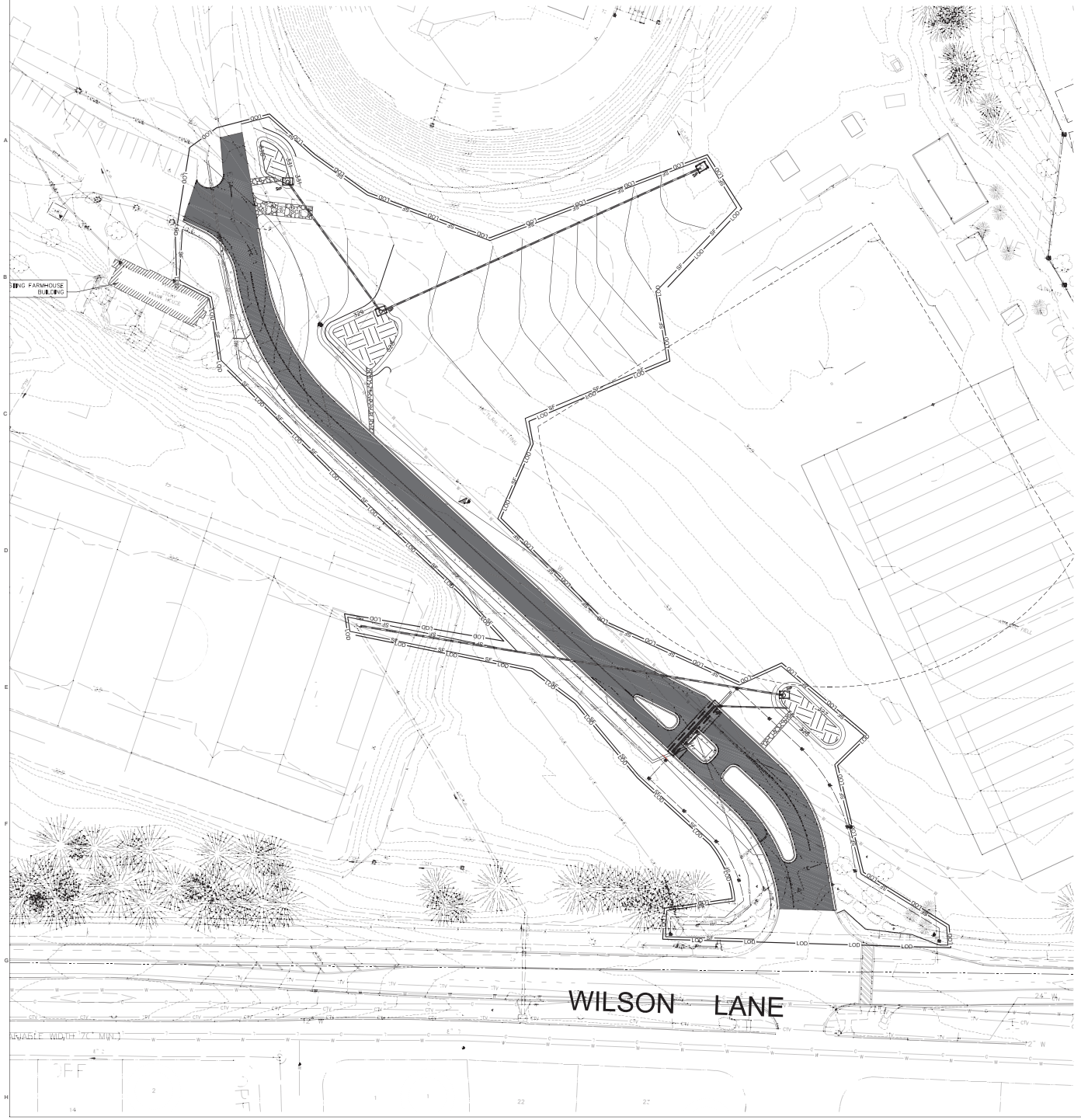
Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional architect under the laws of the State of Maryland. License No. , Expiration Date

Mark	Date	Description
	10.26.20	Schematic Design
	12.16.20	Design Development
	01.22.21	70% CD Progress Set
	01.29.21	100% CD/Permit

Drawing Title:
DEMOLITION PLAN

Graphic Scale:
1" = 30'

Project No: 2026
Date: 1/29/21
Drawing No: CD-101



EROSION AND SEDIMENT CONTROL LEGEND

- LOD — LIMIT OF DISTURBANCE
- SF — SILT FENCE
- SCE — STABILIZED CONSTRUCTION ENTRANCE
- WR — WASH RACK

SCALE: 1"=30'

PROJECT
Landon School - Phase 0 - Welcome Center and Gatehouse

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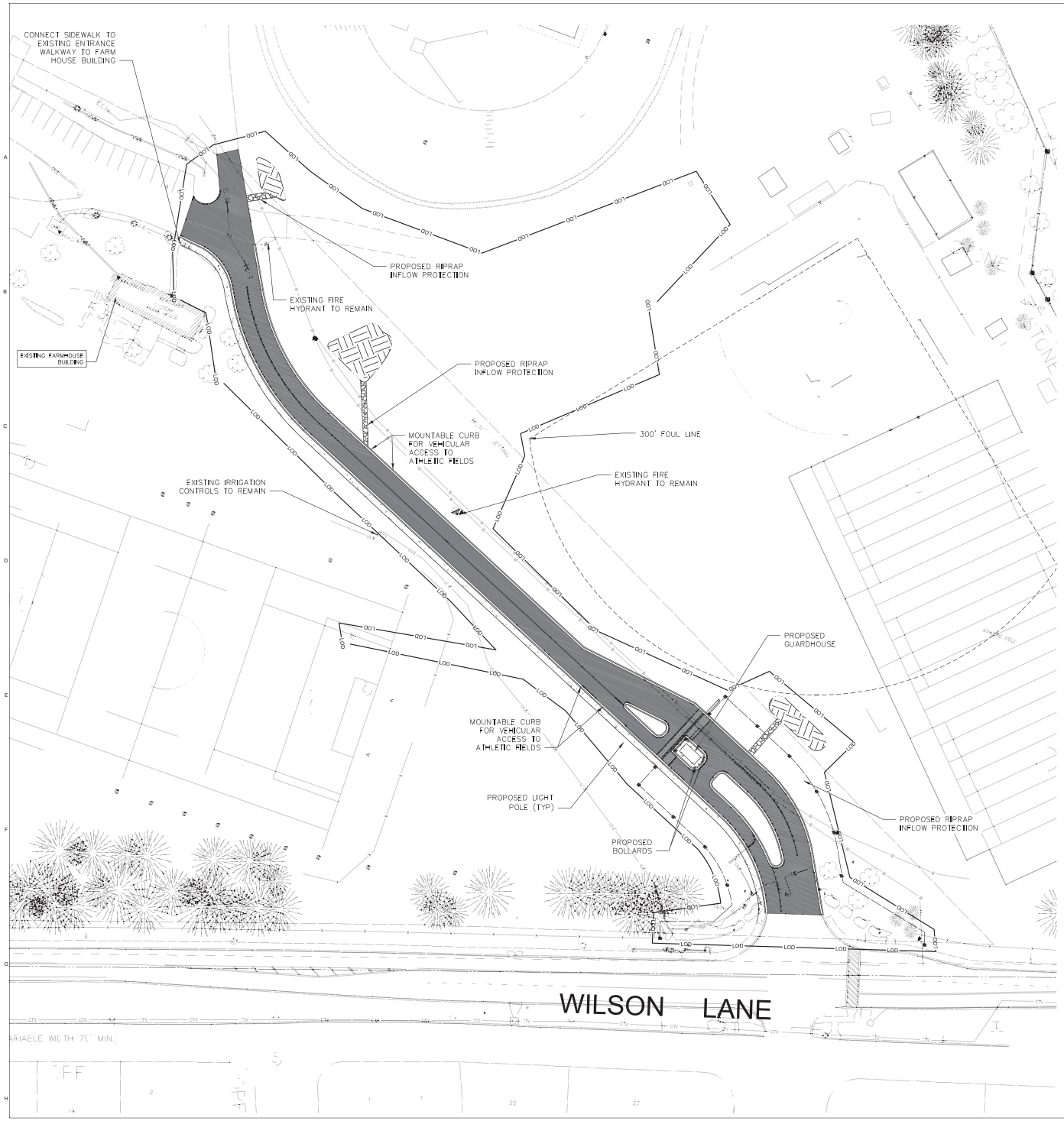
Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional architect under the laws of the State of Maryland.
License No. , Expiration Date

Mark	Date	Description
	10.26.20	**Schematic Design**
	12.16.20	**Design Development**
	01.22.21	**70% CD Progress Set**
	01.29.21	**100% CD/Permit**

Drawing Title:
ESC PLAN

Graphic Scale:
1" = 30'

Project No: 2026
Date: 1/29/21
Drawing No: CE-101



SITE PLAN LEGEND

- 100 YEAR FLOODPLAIN
- FOREST
- LIMIT OF DISTURBANCE
- PROPERTY LINE
- HISTORIC SETTING
- MINOR CONTOUR
- MAJOR CONTOUR
- FENCE
- LIGHT POLE
- CONCRETE CURB AND GUTTER
- STORMWATER MANAGEMENT FACILITY
- NEW ASPHALT PAVEMENT
- NEW CONCRETE SIDEWALK
- NEW GRANITE PAVERS

NOTES

1. SEE LANDSCAPE PLANS FOR ADDITIONAL SITE LAYOUT DETAILS

PROJECT
Landon School - Phase 0 - Welcome Center and Gatehouse

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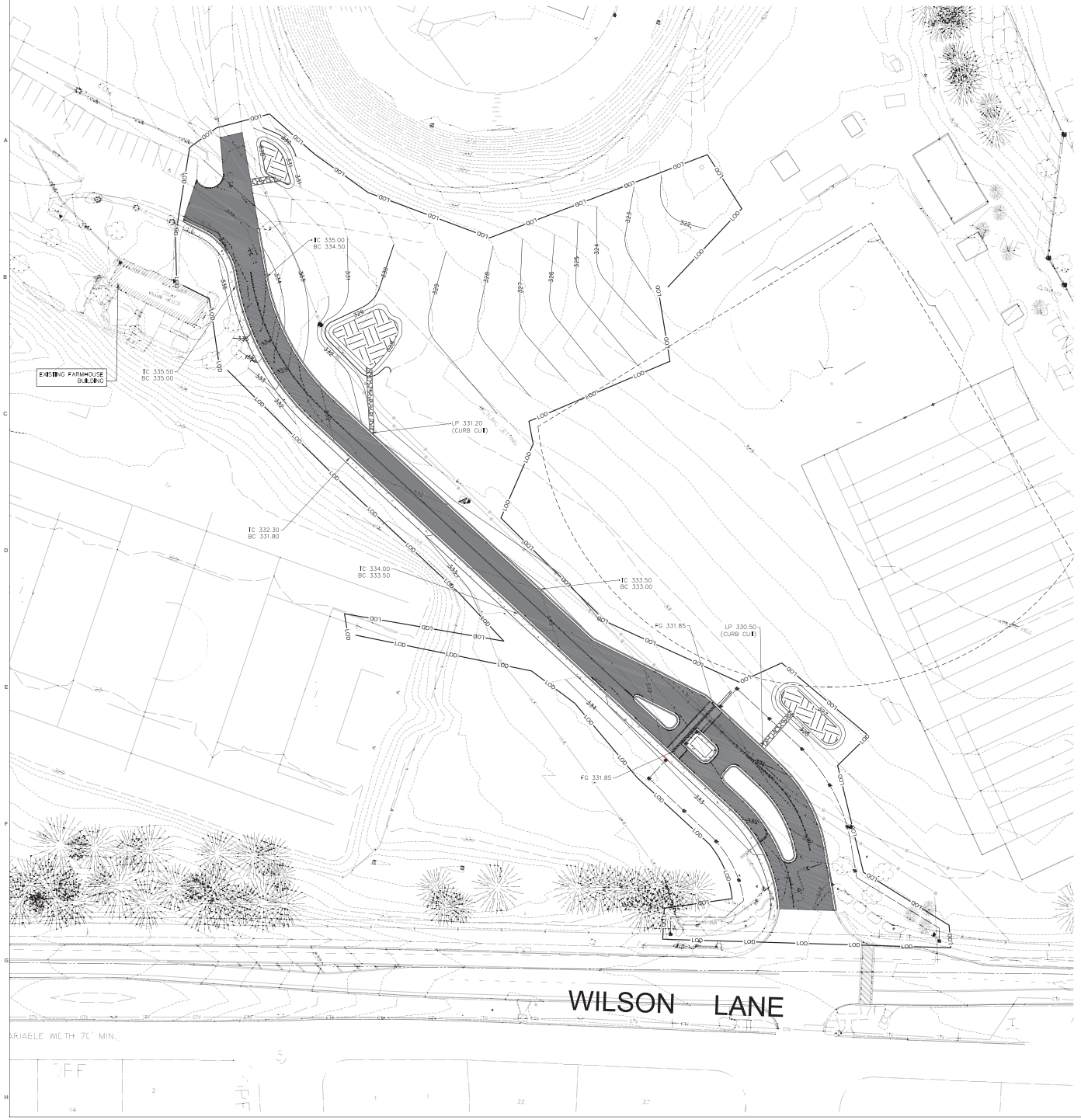
Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional architect under the laws of the State of Maryland. License No. , Expiration Date

Mark	Date	Description
	10.26.20	Schematic Design
	12.16.20	Design Development
	01.22.21	70% CD Progress Set
	01.29.21	100% CD/Permit

Drawing Title:
SITE PLAN

Graphic Scale:
1" = 30'

Project No: 2026
Date: 1/29/21
Drawing No: CS-101



SITE PLAN LEGEND

- FP — 100 YEAR FLOODPLAIN
- FOREST
- LOD — LIMIT OF DISTURBANCE
- PROPERTY LINE
- HISTORIC SETTING
- 321 — MINOR CONTOUR
- 320 — MAJOR CONTOUR
- STORMWATER MANAGEMENT FACILITY
- NEW ASPHALT PAVEMENT
- NEW CONCRETE SIDEWALK

SCALE: 1"=30'

PROJECT
Landon School - Phase 0 - Welcome Center and Gatehouse

CLIENT
Landon School
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F: #Client Fax

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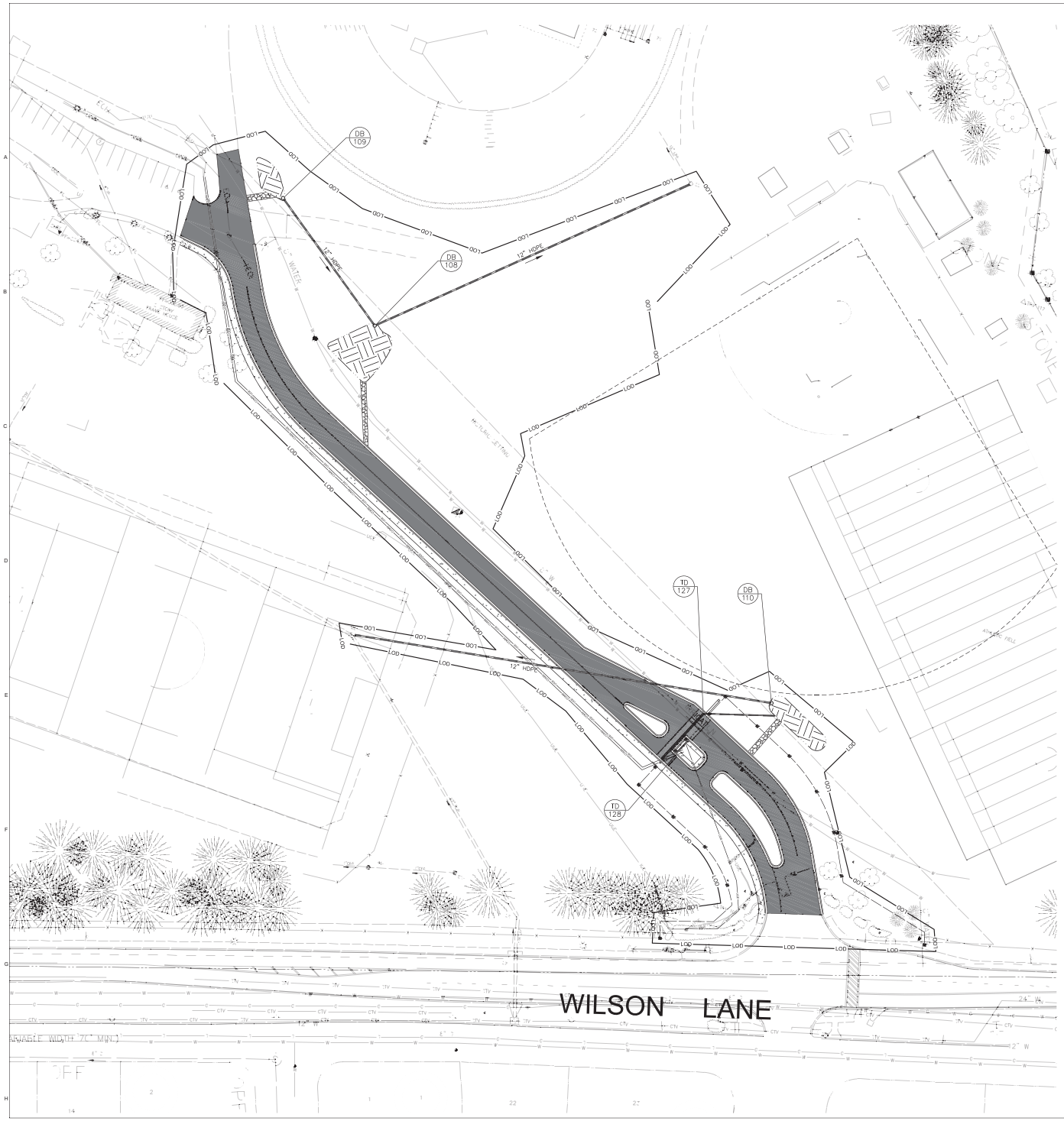
Mark	Date	Description
	10.26.20	**Schematic Design**
	12.16.20	**Design Development**
	01.22.21	**70% CD Progress Set**
	01.29.21	**100% CD/Permit**

Drawing Title:
GRADING PLAN

Graphic Scale:
1" = 30'

Project No: 2026
Date: 1/29/21
Drawing No: CG-101



UTILITY PLAN LEGEND

- LOD — LIMIT OF DISTURBANCE
- PROPERTY LINE
- PAVEMENT
- EXISTING BUILDING
- WOOD FENCE
- YARD INLET
- STORM DRAIN LINE
- STORM DRAIN MANHOLE
- SANITARY LINE
- SANITARY MANHOLE
- FO — FIBER OPTIC
- W — UNDERGROUND WATER LINE
- WATER VALVE
- OHE — OVERHEAD ELECTRIC UTILITY
- CTV — CABLE TV
- G — GAS LINE
- UGT — UNDERGROUND TELEPHONE LINE
- UGE — UNDERGROUND ELECTRIC
- PROPOSED STORM DRAIN LINE
- PROPOSED STORM DRAIN MANHOLE
- S — PROPOSED SANITARY LINE
- PROPOSED SANITARY MANHOLE
- FO — PROPOSED FIBER OPTIC
- PROPOSED FIRE HYDRANT
- W — PROPOSED UNDERGROUND WATER LINE
- OHE — PROPOSED OVERHEAD ELECTRIC UTILITY
- CTV — PROPOSED CABLE TV
- G — PROPOSED GAS LINE
- COMM — PROPOSED UNDERGROUND COMMUNICATION LINE
- UGE — PROPOSED UNDERGROUND ELECTRIC LINE
- UGT — PROPOSED UNDERGROUND TELEPHONE LINE
- PROPOSED BUILDING

SCALE: 1"=30'

PROJECT
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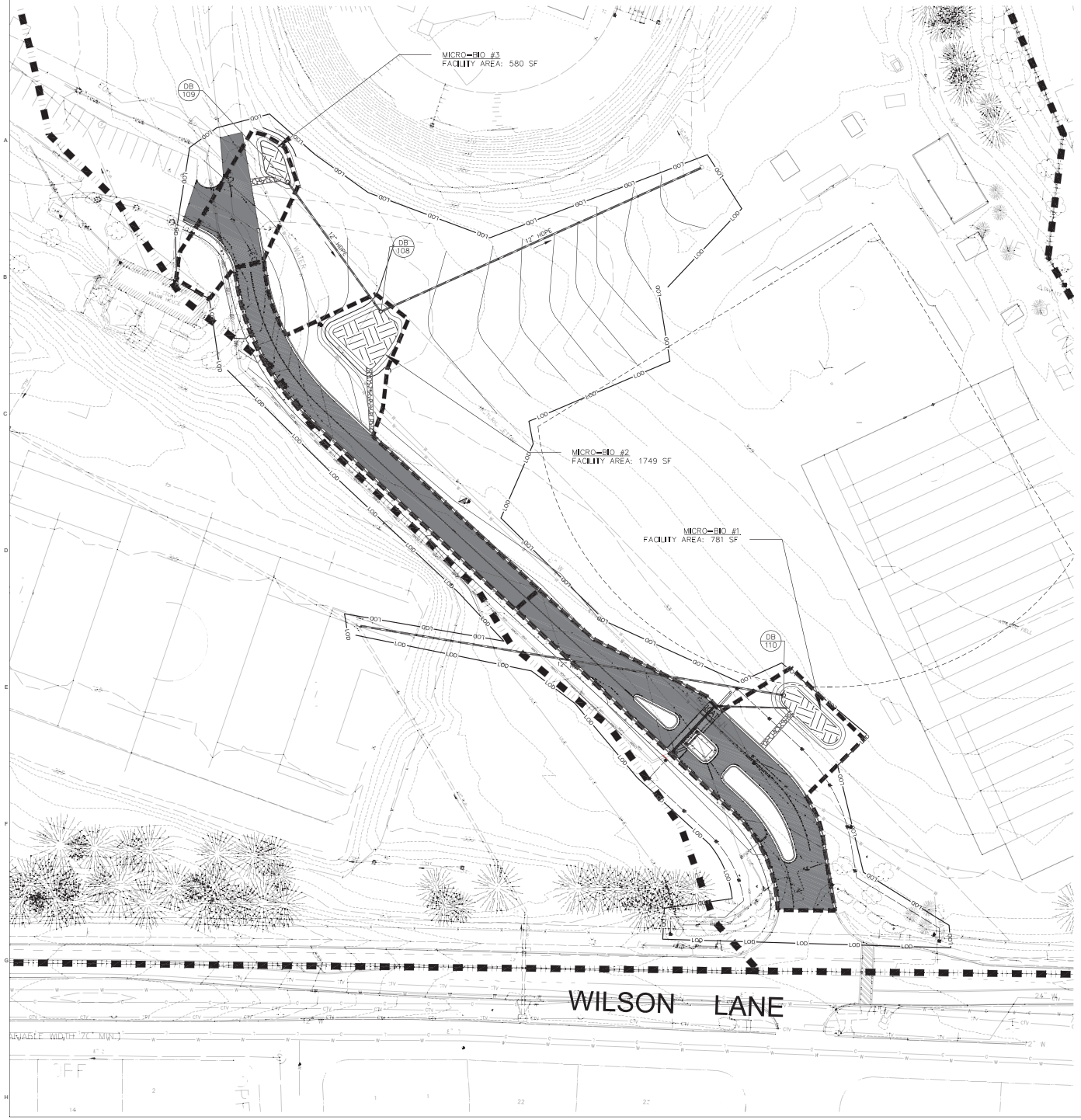
Mark	Date	Description
	10.26.20	Schematic Design
	12.16.20	Design Development
	01.22.21	70% CD Progress Set
	01.29.21	70% CD Set

Drawing Title:
UTILITY PLAN

Graphic Scale:
1" = 30'

Project No: 2026
Date: 1/29/21
Drawing No:
CU-101



STORMWATER MANAGEMENT LEGEND

- NEW STORMWATER MANAGEMENT FACILITY (MICRO-BIORETENTION)
- NEW MINOR CONTOUR
- NEW MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- FACILITY DRAINAGE DIVIDE
- LOD — LIMIT OF DISTURBANCE
- STUDY POINT DRAINAGE DIVIDE
- PROPERTY LINE

SCALE: 1"=30'

PROJECT
Landon School - Phase 0 - Welcome Center and Gatehouse

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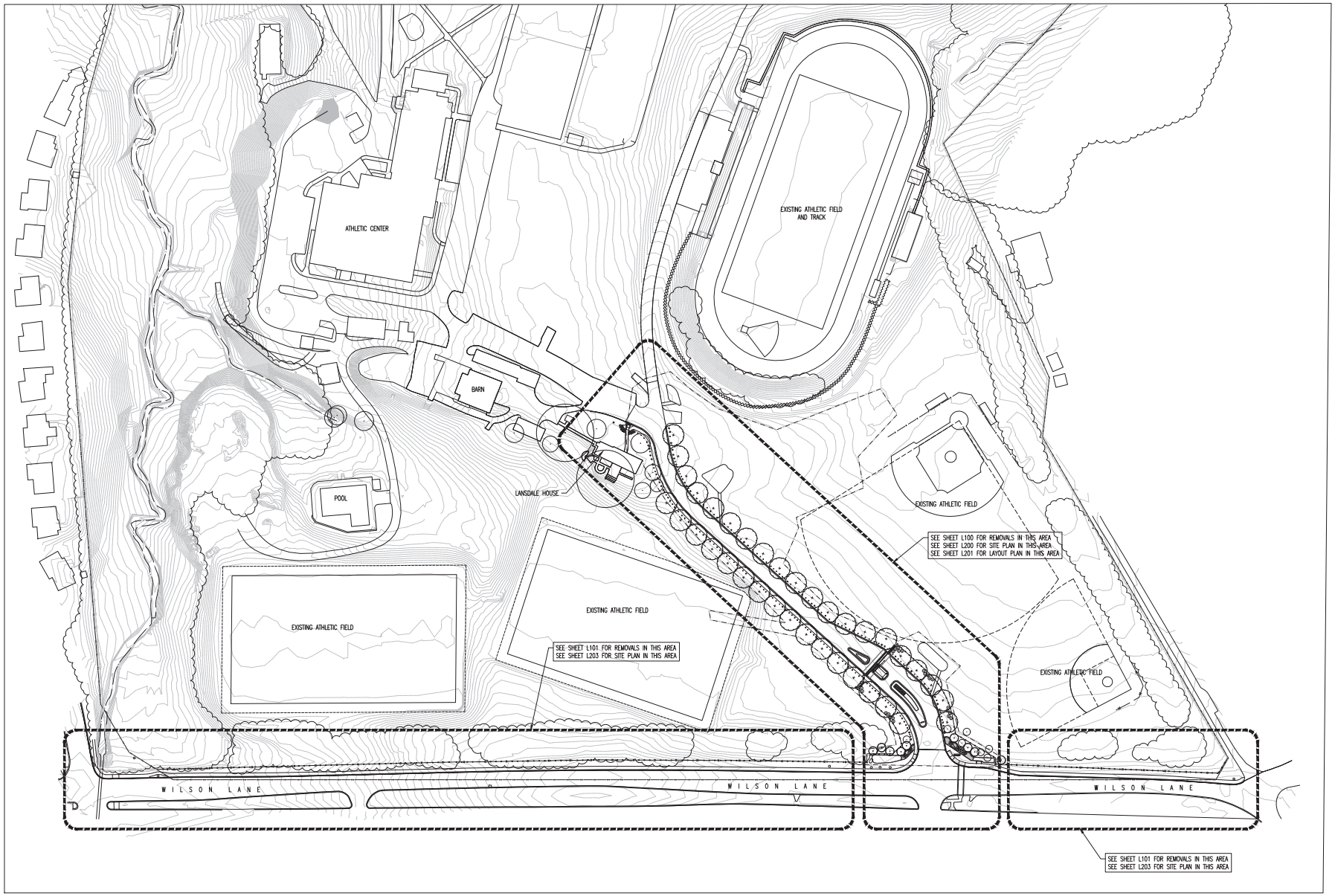
	10.26.20	Schematic Design
	12.16.20	Design Development
	01.22.21	70% CD Progress Set
	01.29.21	100% CD/Permit

Drawing Title:
SWM PLAN

Graphic Scale:
1" = 30'

Project No: 2026
Date: 1/29/21
Drawing No: CW-101



1 **OVERALL KEY PLAN**
SCALE: 1" = 60'-0"

PROJECT
Landon School - Phase 0 - Welcome Center and Gatehouse

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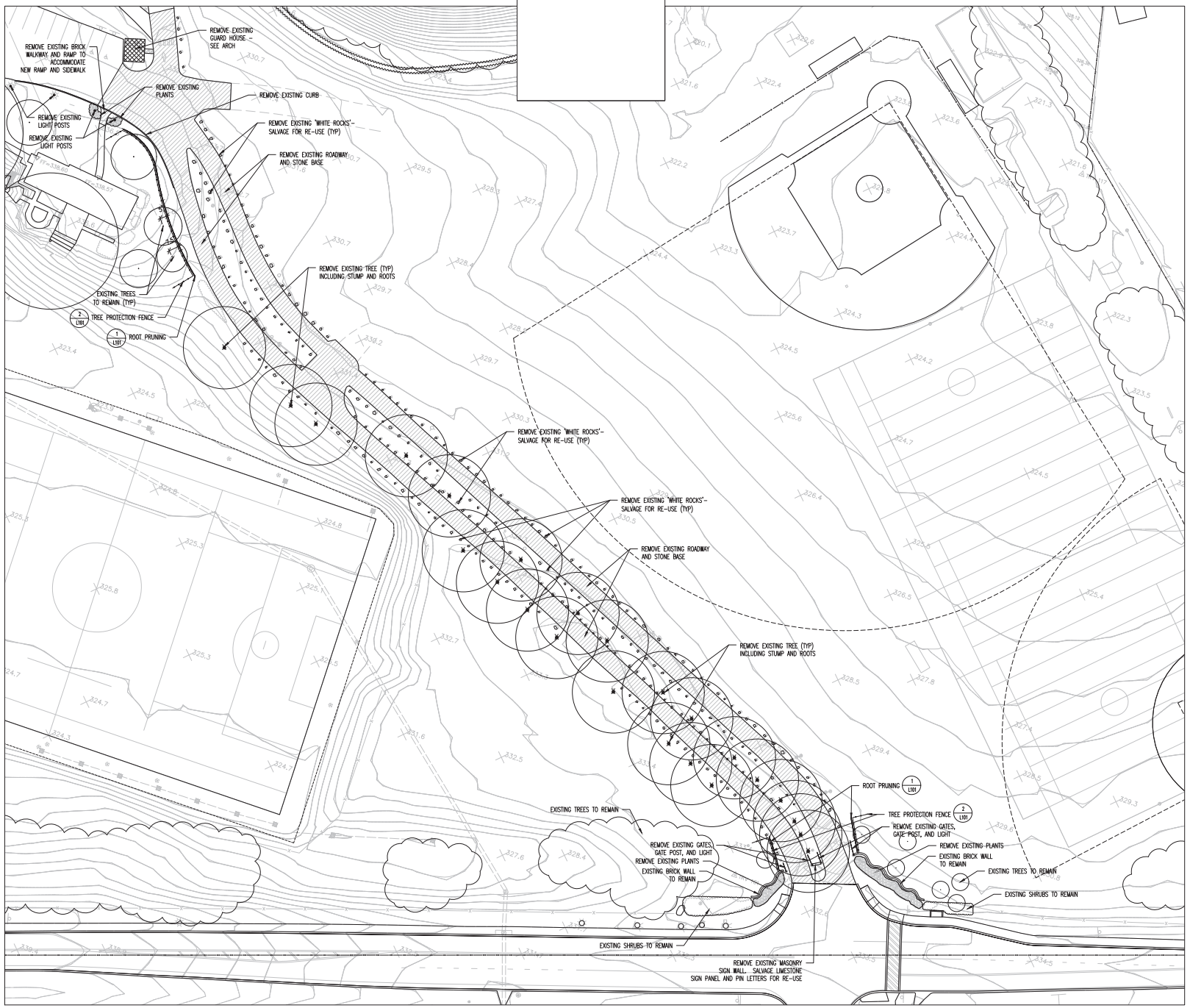
License No, 817, Expiration 1.13.2022

Mark	Date	Description
	10.26.20	Schematic Design
	12.16.20	Design Development
	01.22.21	70% CD Progress Set
	01.29.21	100% CD Submission

Drawing Title:
Overall Key Plan

Graphic Scale:
0 60' 120' 180'

Project No: 2026
Date: 01.29.2021
Drawing No: L001



1 CAMPUS ENTRANCE ROAD AND GATEHOUSE - SITE AND LANDSCAPE REMOVALS PLAN, TREE PROTECTION PLAN

SCALE: 1" = 25'-0"

PROJECT
Landon School - Phase 0 - Welcome Center and Gatehouse

CLIENT
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6101 Wilson Lane
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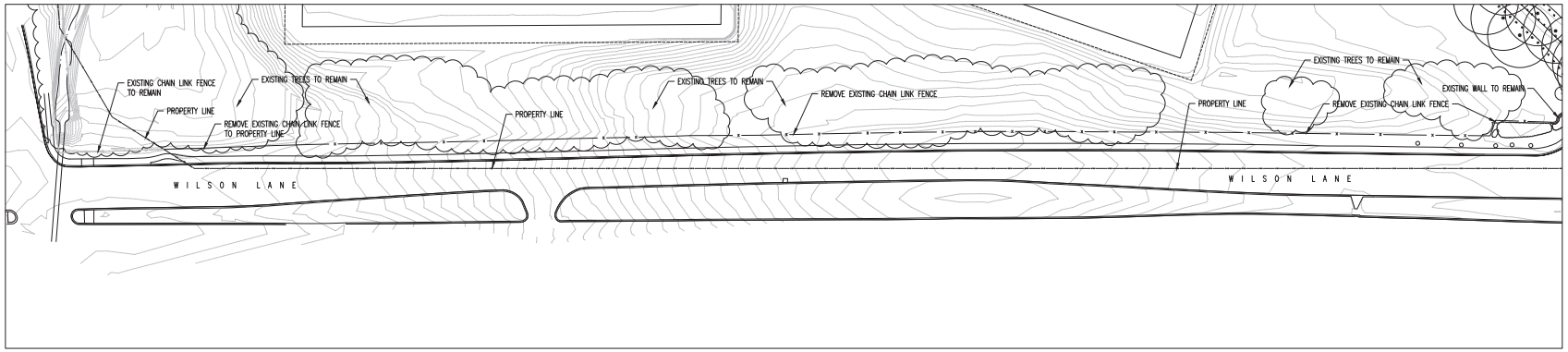
Mark	Date	Description
	10.26.20	Schematic Design
	12.16.20	Design Development
	01.22.21	70% CD Progress Set
	01.29.21	100% CD Submission

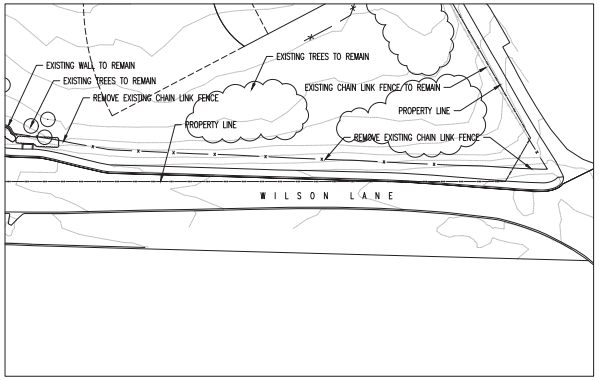
Drawing Title:
Site and Landscape Removals Plan
Tree Protection Plan

Graphic Scale:
0 25' 50' 75'

Project No: 2026
Date: 01.29.2021
Drawing No: L100



1 **WILSON LANE WEST - FENCE REMOVALS**
SCALE: 1" = 40'-0"



2 **WILSON LANE EAST - FENCE REMOVALS**
SCALE: 1" = 40'-0"

PROJECT
Landon School - Phase 0 - Welcome Center and Gatehouse

CLIENT
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6101 Wilson Lane
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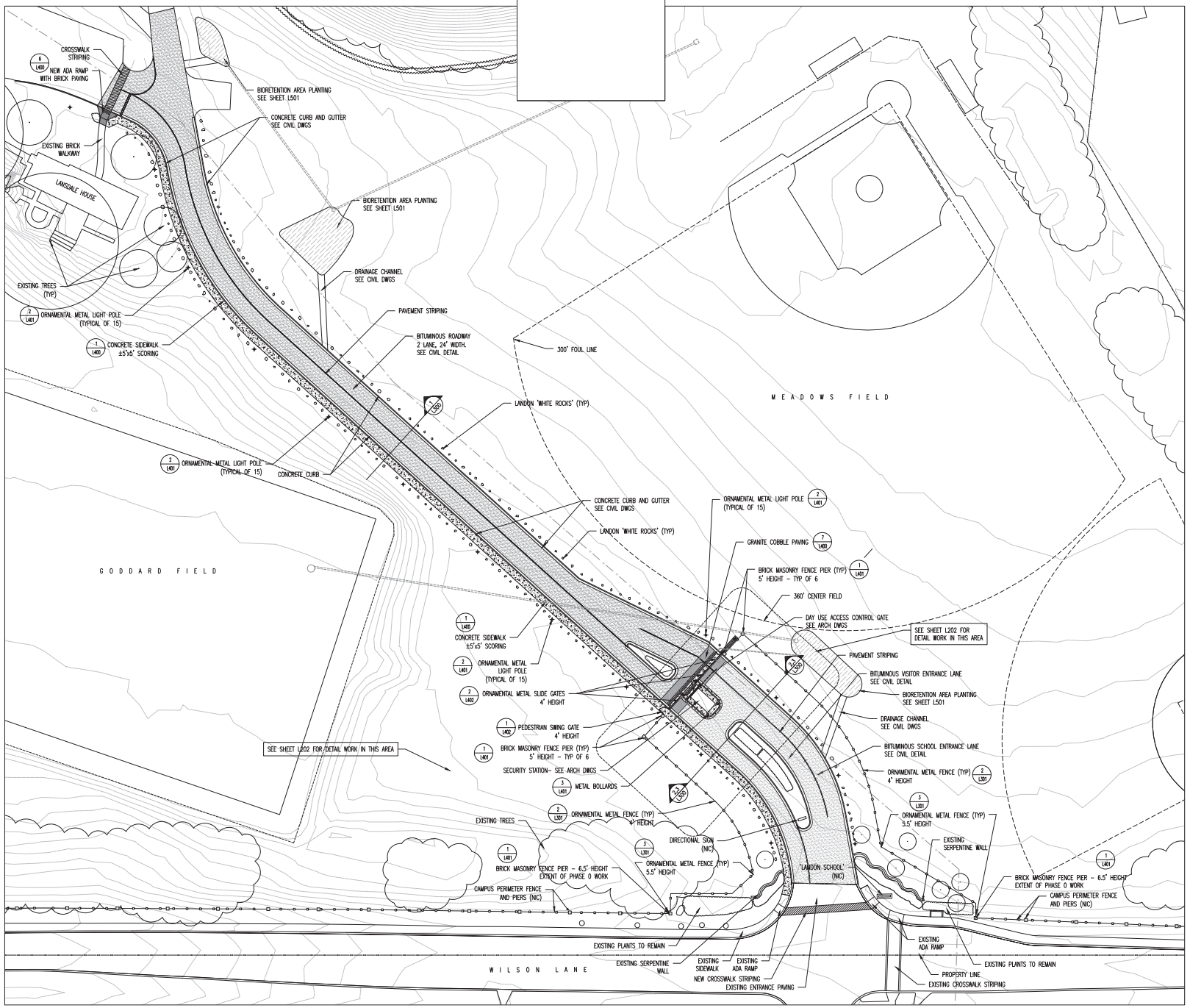
Mark	Date	Description
	10.26.20	Schematic Design
	12.16.20	Design Development
	01.22.21	70% CD Progress Set
	01.29.21	100% CD Submission

Drawing Title:
Wilson Lane Fence Removals

Graphic Scale:
0 40' 80' 120

Project No: 2026
Date: 01.29.2021
Drawing No: L101



1 CAMPUS ENTRANCE ROAD AND GATEHOUSE - SITE PLAN

SCALE: 1" = 25'-0"

PROJECT
Landon School - Phase 0 - Welcome Center and Gatehouse

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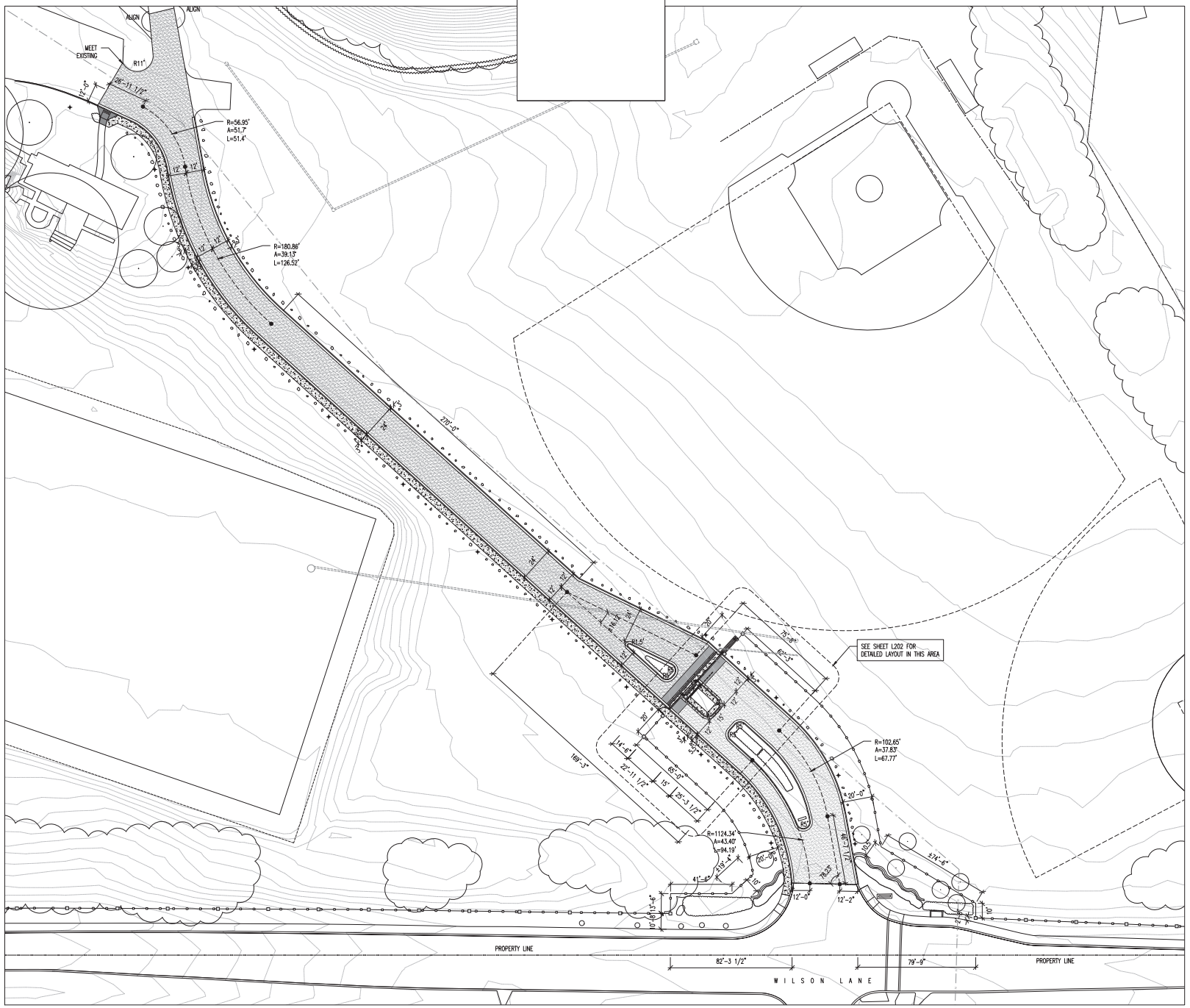
Mark	Date	Description
	10.26.20	Schematic Design
	12.16.20	Design Development
	01.22.21	70% CD Progress Set
	01.29.21	100% CD Submission

Drawing Title:
Site Plan

Graphic Scale:
0 25' 50' 75'

Project No: 2026
Date: 01.29.2021
Drawing No: L200



1 CAMPUS ENTRANCE ROAD AND GATEHOUSE - SITE LAYOUT PLAN
SCALE: 1" = 25'-0"

PROJECT
Landon School - Phase 0 - Welcome Center and Gatehouse

CLIENT
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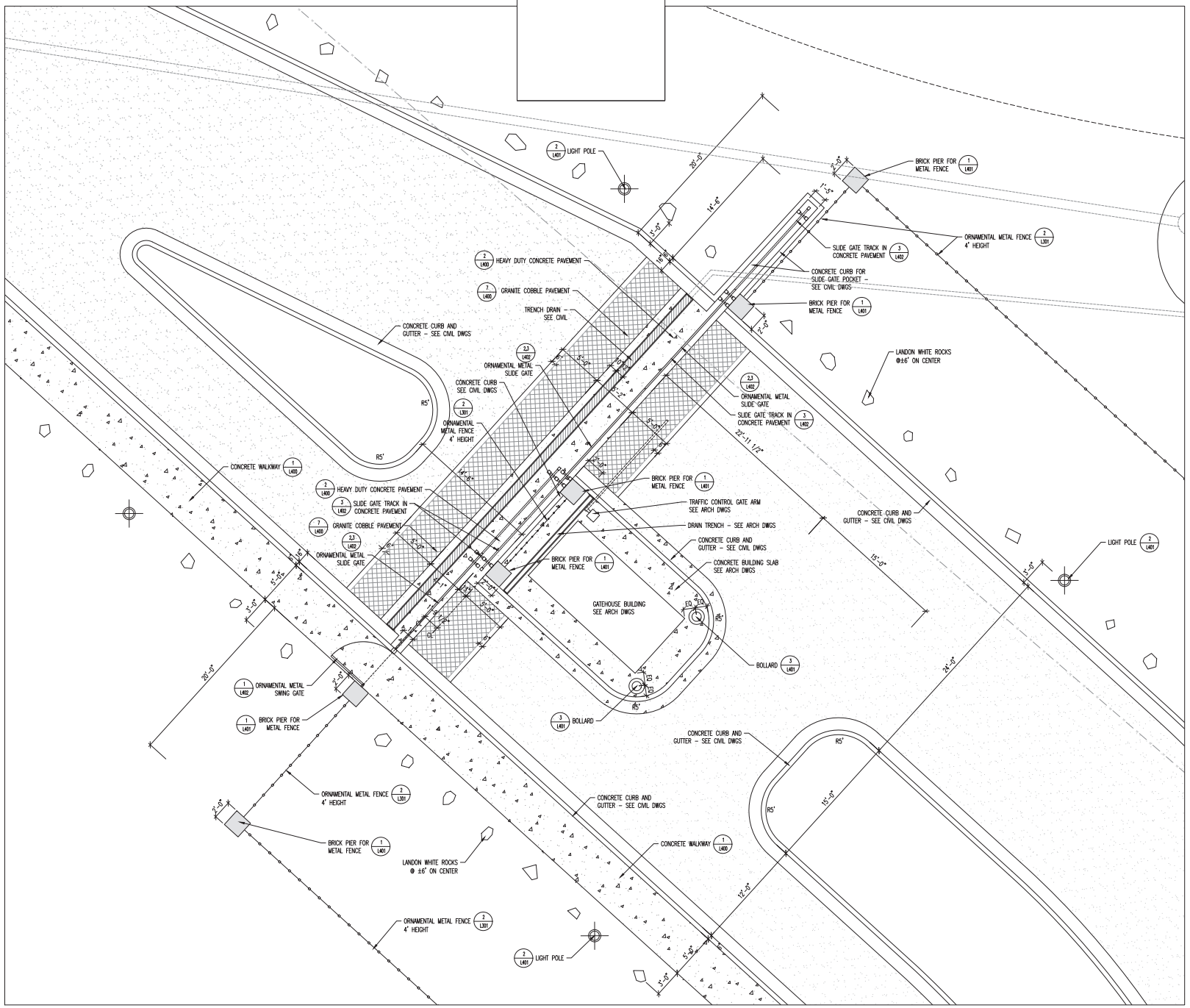
Mark	Date	Description
	10.26.20	Schematic Design
	12.16.20	Design Development
	01.22.21	70% CD Progress Set
	01.29.21	100% CD Submission

Drawing Title:
Site Layout Plan

Graphic Scale:
0 25' 50' 75'

Project No: 2026
Date: 01.29.2021
Drawing No: L201



1 CAMPUS ENTRANCE ROAD AND GATEHOUSE - DETAIL SITE PLAN AT GATEHOUSE

SCALE: 1/4" = 1'-0"

PROJECT
Landon School - Phase 0 - Welcome Center and Gatehouse

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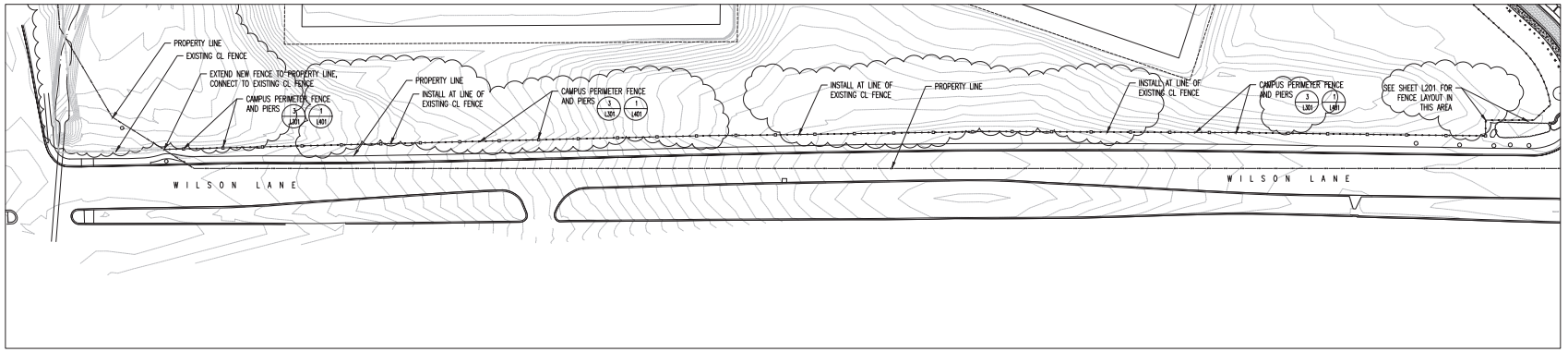
Mark	Date	Description
	10.26.20	Schematic Design
	12.16.20	Design Development
	01.22.21	70% CD Progress Set
	01.29.21	100% CD Submission

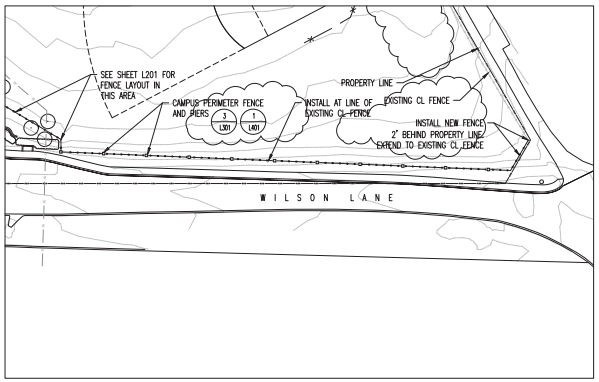
Drawing Title:
Detail Site Plan at Gatehouse

Graphic Scale:
0 4' 8' 12'

Project No: 2026
Date: 01.29.2021
Drawing No: L202



1 **WILSON LANE WEST - NEW CAMPUS FENCE**
SCALE: 1" = 40'-0"



2 **WILSON LANE EAST - NEW CAMPUS FENCE**
SCALE: 1" = 40'-0"

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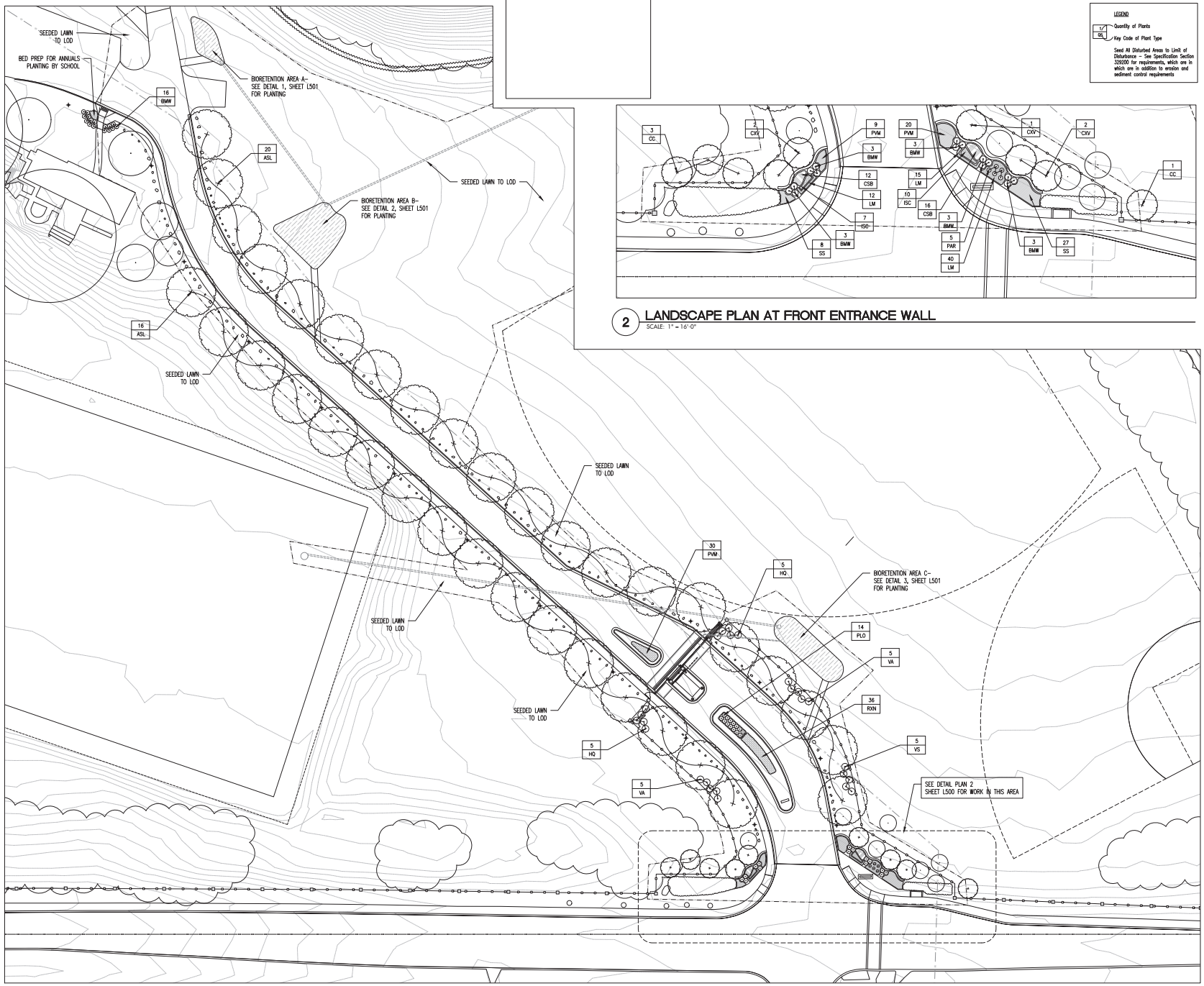
Mark	Date	Description
	10.26.20	Schematic Design
	12.16.20	Design Development
	01.22.21	70% CD Progress Set
	01.29.21	100% CD Submission

Drawing Title:
Wilson Lane - New Campus Fence

Graphic Scale:
0 40' 80' 120

Project No: 2026
Date: 01.29.2021
Drawing No: L203



2 LANDSCAPE PLAN AT FRONT ENTRANCE WALL
SCALE: 1" = 16'-0"

1 CAMPUS ENTRANCE ROAD AND GATEHOUSE - LANDSCAPE PLAN
SCALE: 1" = 25'-0"

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Mark	Date	Description
	10.26.20	Schematic Design
	12.16.20	Design Development
	01.22.21	70% CD Progress Set
	01.29.21	100% CD Submission

Drawing Title:
Landscape Plan

Graphic Scale:
0 25' 50' 75'

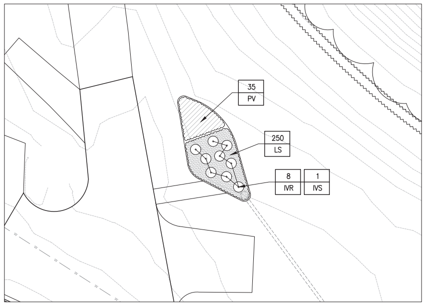
Project No: 2026
Date: 01.29.2021
Drawing No: L500

LEGEND

Quantity of Plants

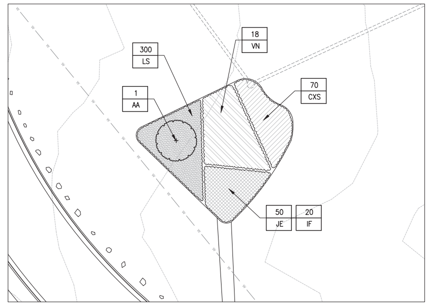
Key Code of Plant Type

Seed All Disturbed Areas to Limit of Disturbance – See Specification Section 329200 for requirements, which are in which are in addition to erosion and sediment control requirements



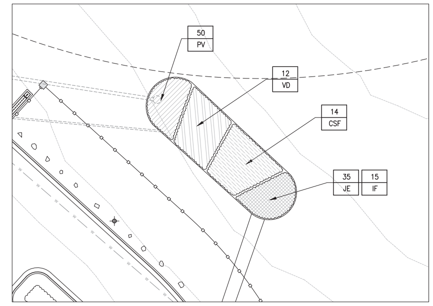
1 BIO-RETENTION AREA A PLANTING PLAN

SCALE: 1" = 16'-0"



2 BIO-RETENTION AREA B PLANTING PLAN

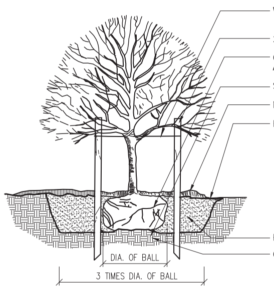
SCALE: 1" = 16'-0"



3 BIO-RETENTION AREA C PLANTING PLAN

SCALE: 1" = 16'-0"

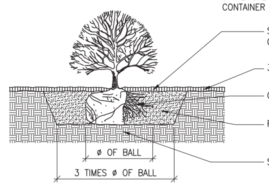
NOTE:
SET PLANTS IN ERECT, VERTICAL, STABLE POSITIONS.
REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.



4 TREE PLANTING AND STAKING - TREES 4" CALIPER AND LESS

NOT TO SCALE

NOTES:
1. SET PLANTS IN ERECT VERTICAL, STABLE POSITIONS. REFER TO SPECIFICATIONS FOR ADDITIONAL INFORMATION.
2. SHRUBS SHALL HAVE NO MORE THAN 3" OF SOIL ABOVE THE FIRST SCAFFOLD ROOTS.
3. REMOVE CONTAINER & THOROUGHLY FRAY ROOTS OF CONTAINER GROWN PLANTS



5 SHRUB PLANTING DETAIL

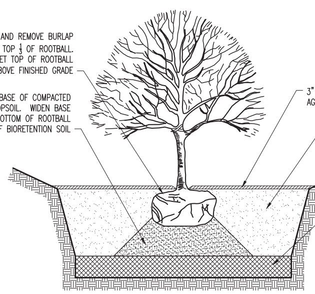
NOT TO SCALE

SITE PLANTING SCHEDULE

Key	Qty.	Botanical Name	Common Name	Size	Note
		TREES			
ASL	36	Acer saccharum 'Legacy	Legacy Sugar Maple	3.5" Cal, B&B	Matched Specimens
CC	4	Cercis canadensis 'Appalachian Red'	Appalachian Red Redbud	2.5" Cal, B&B	
CXV	5	Cornus x 'Venus'	Venus Dogwood	2.5" Cal, B&B	
		SHRUBS AND GRASSES			
BMW	31	Buxus microphylla 'Wintergreen'	Wintergreen Boxwood	30" Hgt, Cont.	
HQ	10	Hydrangea quercifolia 'Snow Queen'	Snow Queen Oak Leaf Hydrangea	30" Hgt, Cont.	
PLO	14	Prunus laurocerasus 'Otto Luyken'	Otto Luyken Cherry Laurel	30" Hgt. Cont.	
PVM	59	Panicum virgatum 'Heavy Metal'	Heavy Metal Switchgrass	2 Gal. Cont.	Plant 24" OC
RXN	36	Rosa x 'Nooschnee	White Flower Carpet Rose	24" Spr. Cont.	Plant 30" OC
SS	35	Schizachyrium scoparium 'Blue Heaven'	Blue Heaven Bluestem	2 Gal. Cont.	Plant 24" OC
VA	10	Viburnum x 'Allegheny'	Allegheny Viburnum	36" Hgt. Cont.	
VS	5	Viburnum x 'Shasta'	Shasta Viburnum	36" Hgt. Cont.	
		PERENNIALS, GROUND COVERS, AND VINES			
CSB	28	Christhanemum x superba 'Becky'	Becky Shasta Daisy	1 Gal. Cont.	Plant 18" OC
ISC	17	Iris siberica 'Caesar's Brother'	Caesar's Brother Siberian Iris	1 Gal. Cont.	Plant 18" OC
LM	67	Liriope muscari 'Big Blue'	Big Blue Liriope	2 QT. Cont.	Plant 15" OC
PAR	5	Perovskia atriplicifolia	Russian Sage	2 Gal. Cont.	

CUT AND REMOVE BURLAP FROM TOP ⅓ OF ROOTBALL. SET TOP OF ROOTBALL 4" ABOVE FINISHED GRADE

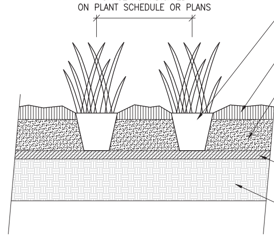
SET BIORETENTION TREE ON BASE OF COMPACTED SANDY LOAM TOPSOIL. WIDEN BASE AT 45° ANGLE FROM BOTTOM OF ROOTBALL AND EXTEND TO BASE OF BIORETENTION SOIL



6 TREE PLANTING IN BIORETENTION AREA

NOT TO SCALE

SPACE AS INDICATED ON PLANT SCHEDULE OR PLANS



7 PERENNIAL AND ORNAMENTAL GRASS PLANTING DETAIL

SCALE: NOT TO SCALE

BIORETENTION AND SWM EASEMENT PLANTING SCHEDULE

Key	Qty.	Botanical Name	Common Name	Size	Note
		TREES			
AA	1	Amelanchier x grandiflora "Autumn Brilliance'	Autumn Brilliance Serviceberry	8-9' Hgt B&B	Multi-Stem
		SHRUBS AND GRASSES			
CSF	14	Cornus sericea 'Farrow'	Arctic Fire Red Twig Dogwood	24-30" Cont.	Plant 5' OC in Bioretention
CXS	70	Carex stricta	Tussock Sedge	#1 Cont.	Plant 24" OC
IVR	8	Ilex verticillata 'Winter Red'	Winter Red Winterberry	24-30" Cont.	Plant 3' OC in Bioretention
IVS	1	Ilex verticillata 'Southern Gentleman'	Southern Gentleman Winterberry	24-30" Cont.	Plant 3' OC in Bioretention
JE	85	Juncus effusus	Common Rush	#1 Cont.	Plant 24" OC
PV	85	Panicum virgatum 'Heavy Metal'	Heavy Metal Switchgrass	#1 Cont.	Plant 24" OC
VD	12	Viburnum dentatum 'Chicago Lustre'	Chicago Lustre Viburnum	30" Hgt, Cont.	
VN	18	Viburnum nudum 'Winterthur'	Winterthur Viburnum	30" Hgt, Cont.	Plant 5' OC in Bioretention
		PERENNIALS, GROUND COVERS, AND VINES			
IF	35	Iris fulva	Copper Iris	#1 Cont.	Plant 24" OC
LS	300	Liriope spicata	Lilyturf	5" Plug	Plant 12" OC

8 LANDSCAPE PLANTING SCHEDULES

SCALE: NONE

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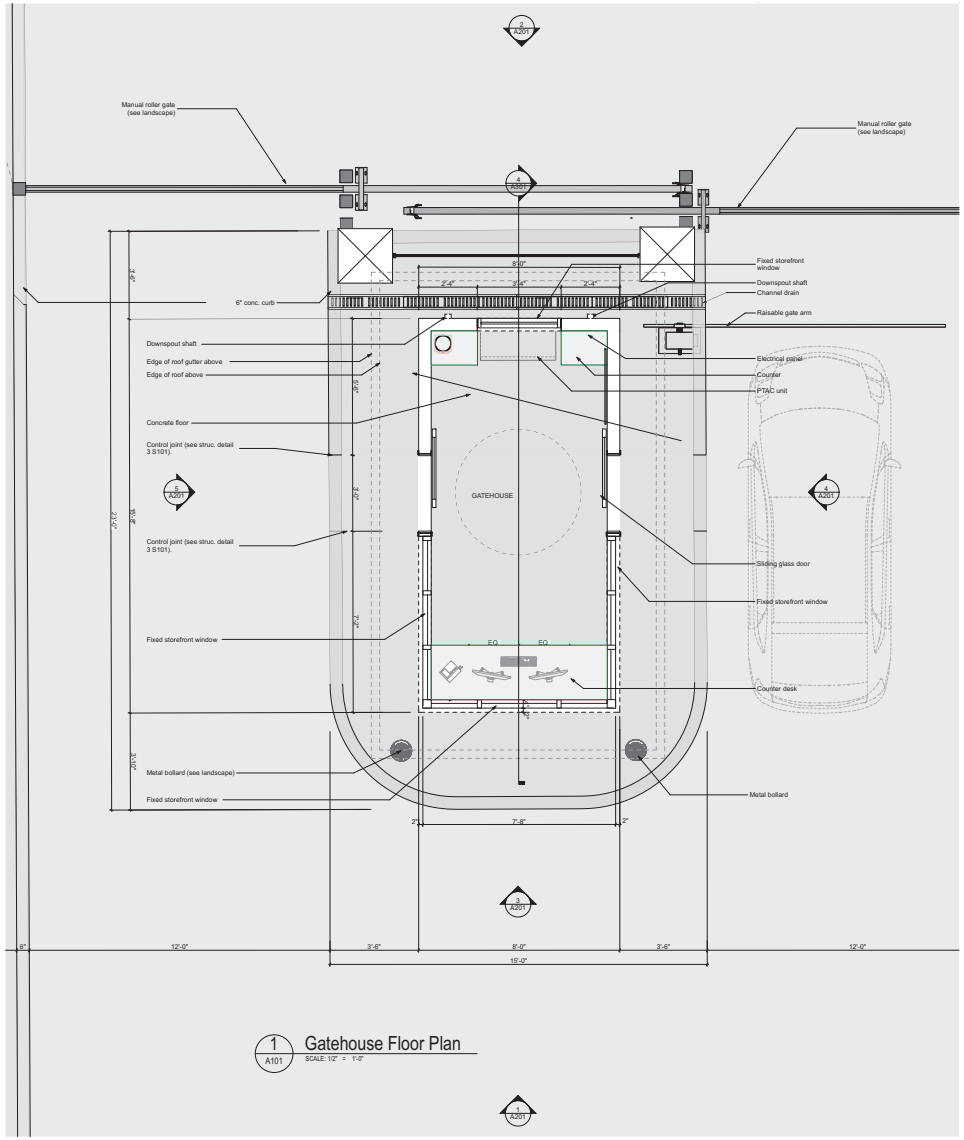
Mark	Date	Description
	10.26.20	**Schematic Design**
	12.16.20	**Design Development**
	01.22.21	**70% CD Progress Set**
	01.29.21	**100% CD Submission**

Drawing Title:
Landscape Plan - Bio-retention Areas Planting Schedules and Details

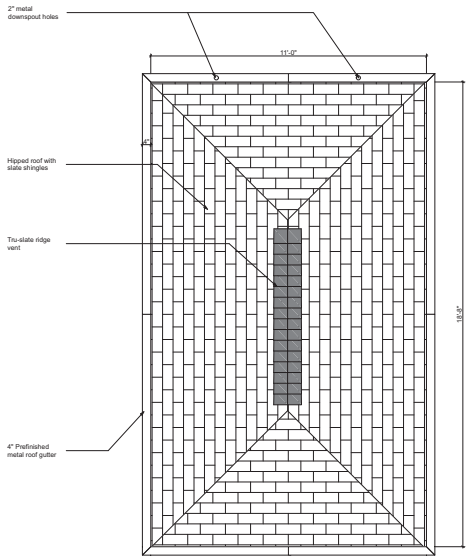
Graphic Scale:
0 16' 32' 48'

Project No: 2026
Date: 01.29.2021

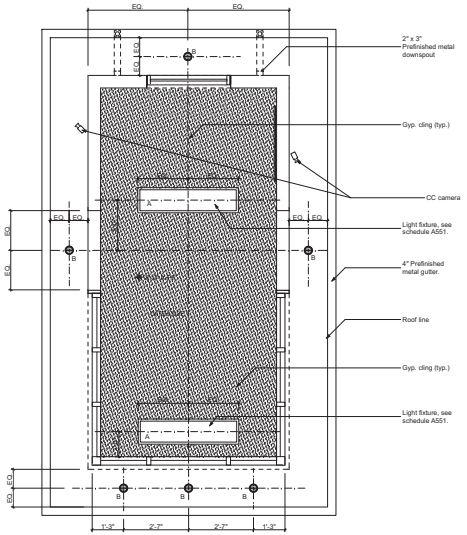
Drawing No:
L501



1 A101 Gatehouse Floor Plan
SCALE: 1/2" = 1'-0"



2 A101 Gatehouse Roof Plan
SCALE: 1/2" = 1'-0"



3 A101 Gatehouse Reflected Ceiling Plan
SCALE: 1/2" = 1'-0"

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Mark	Date	Description
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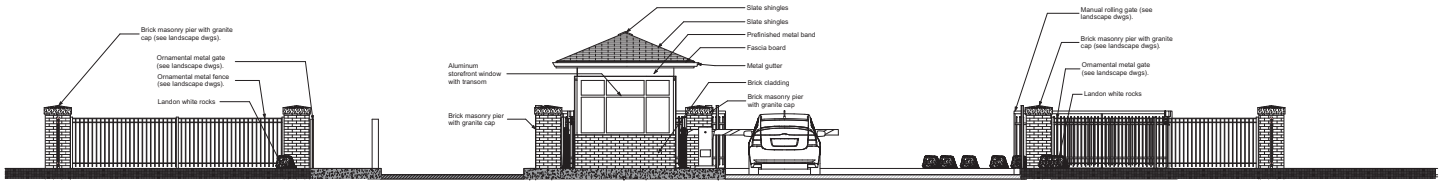
	12.16.20	Design Development
	01.22.21	70% CD Progress Set
	01.29.21	100% CD Submission

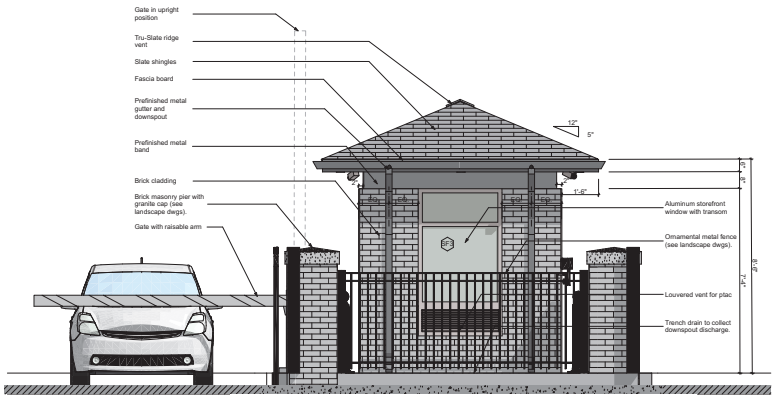
Drawing Title:
1st Floor Plans

Graphic Scale:

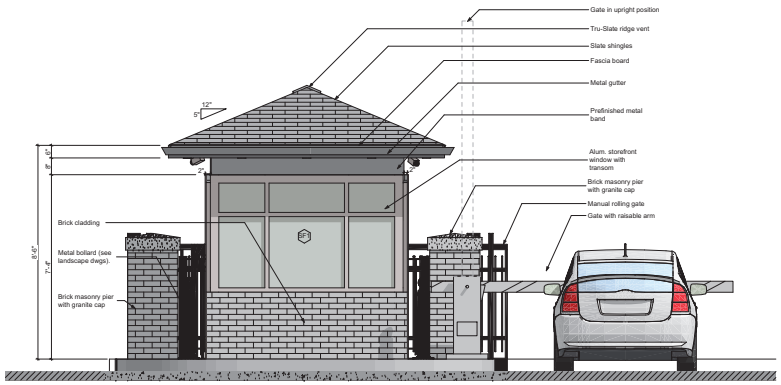
Project No: 2026
Date: 2/16/21
Drawing No: A101



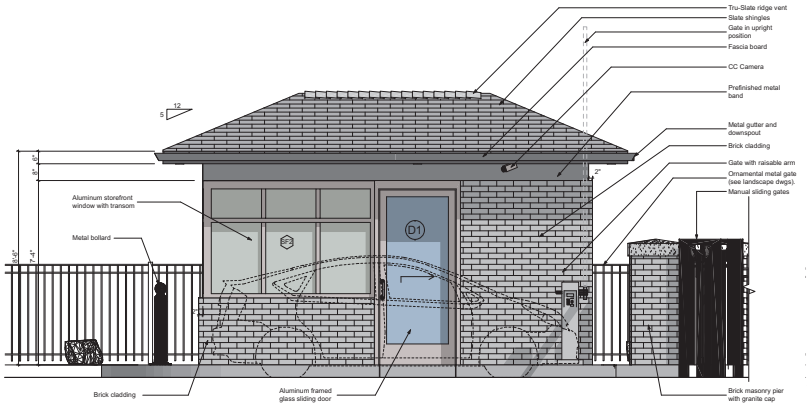
1 A201 **Exterior Site Elevation**
SCALE: 1/4" = 1'-0"



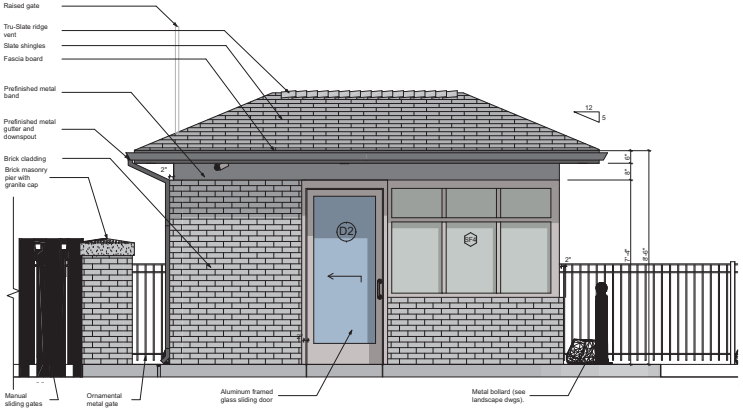
2 A201 **Exterior Elevation**
SCALE: 1/2" = 1'-0"



3 A201 **Exterior Elevation**
SCALE: 1/2" = 1'-0"



4 A201 **Exterior Elevation**
SCALE: 1/2" = 1'-0"



5 A201 **Exterior Elevation**
SCALE: 1/2" = 1'-0"

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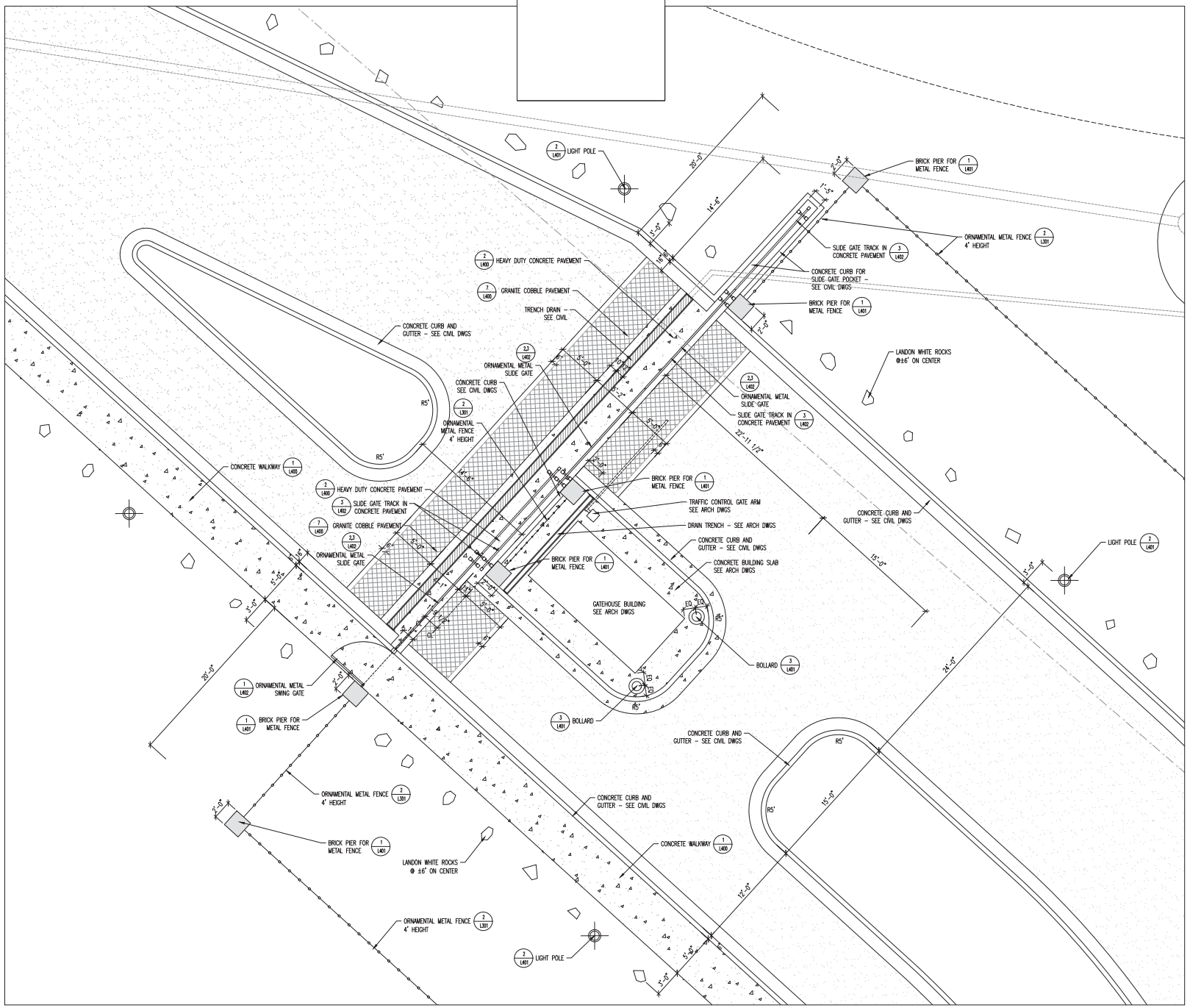
	01.29.21	100% CD Submission

Drawing Title:
Exterior Elevations

Graphic Scale:

Project No: 2026
Date: 2/16/21
Drawing No: A201



1 CAMPUS ENTRANCE ROAD AND GATEHOUSE - DETAIL SITE PLAN AT GATEHOUSE

SCALE: 1/4" = 1'-0"

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Mark	Date	Description
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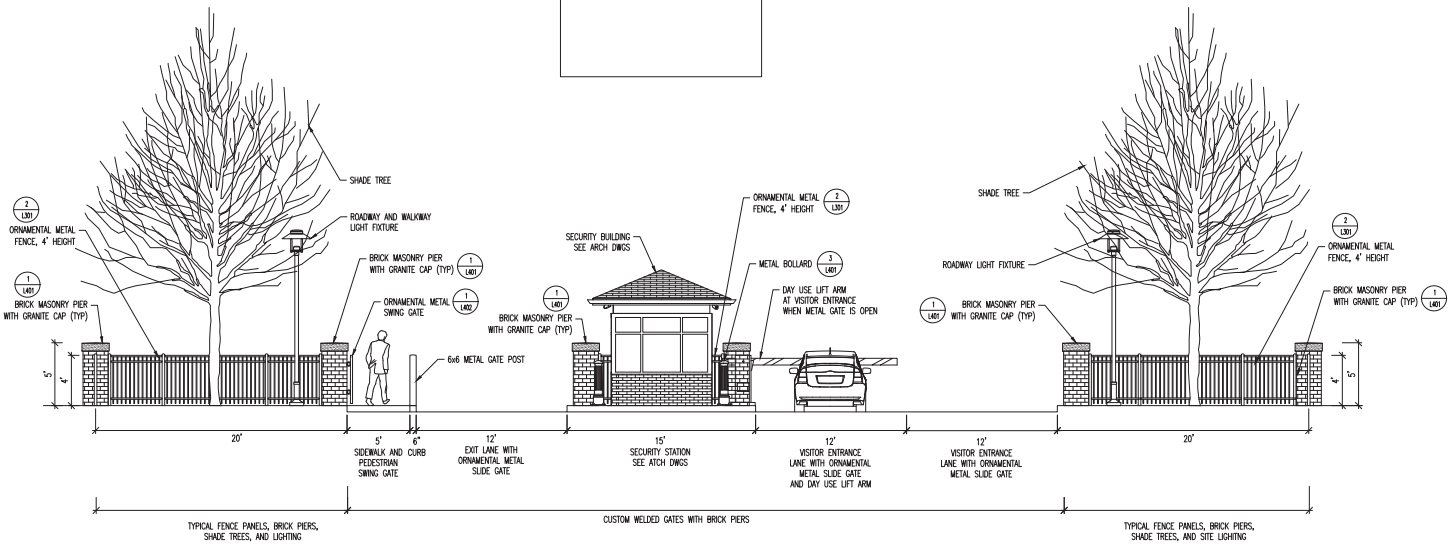
	12.16.20	Design Development
	01.22.21	70% CD Progress Set
	01.29.21	100% CD Submission

Drawing Title:
Detail Site Plan at Gatehouse

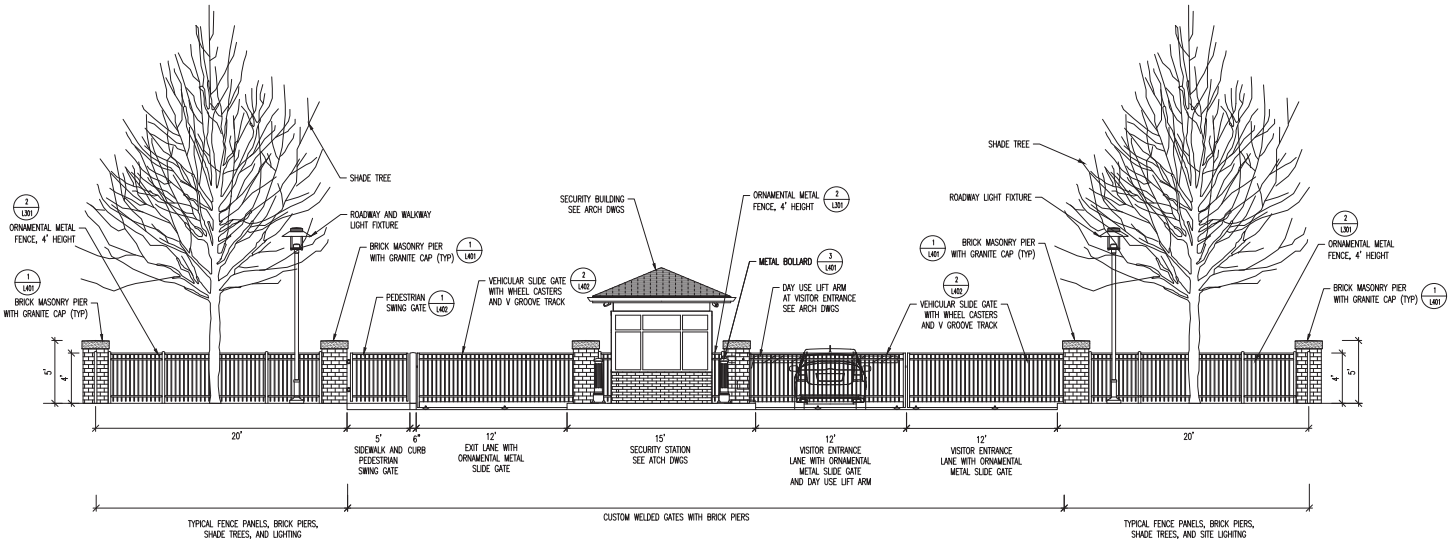
Graphic Scale:
0 4' 8' 12'

Project No: 2026
Date: 01.29.2021
Drawing No: L202



1 ELEVATION - ORNAMENTAL METAL GATES AT SECURITY STATION - GATES OPEN

SCALE: 1/4" = 1'-0"



2 ELEVATION - ORNAMENTAL METAL GATES AT SECURITY STATION - GATES CLOSED

SCALE: 1/4" = 1'-0"

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	12.16.20	Design Development
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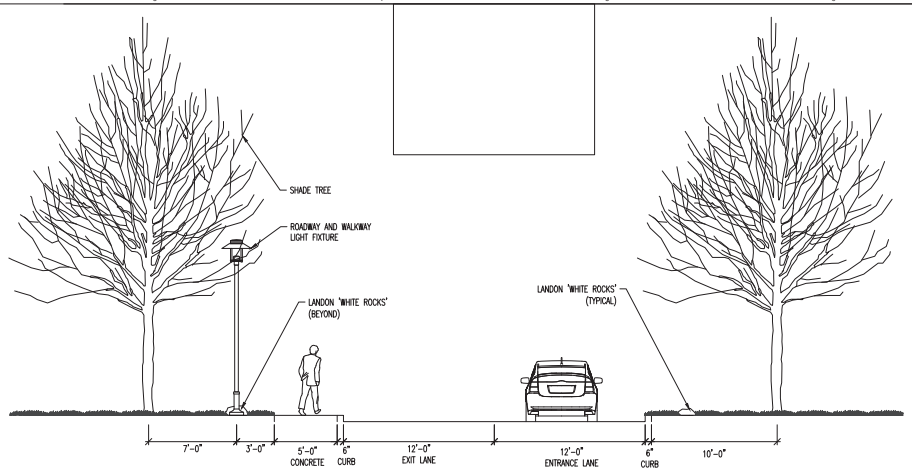
	01.29.21	100% CD Submission

Drawing Title:
Site Elevations

Graphic Scale:
Scale as Noted

Project No: 2026
Date: 01.29.2021
Drawing No: L300



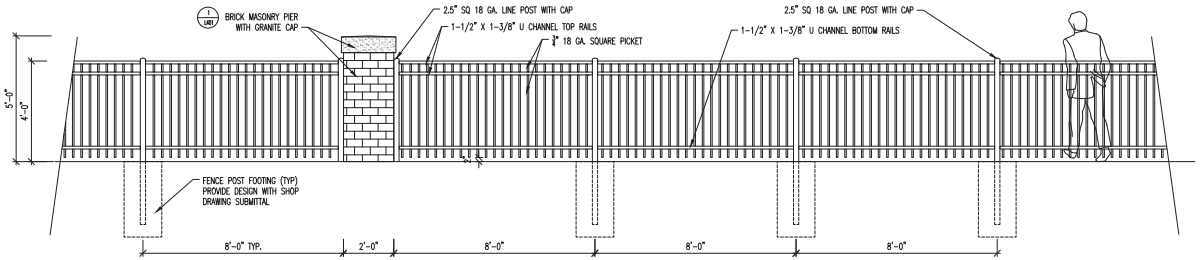
1 ELEVATION - TYPICAL ENTRANCE ROAD SECTION

SCALE: 1/4" = 1'-0"

ELEVATION SHOWS DESIGN INTENT AND BASIS OF DESIGN FOR PRICING. FENCE MANUFACTURER SHALL PROVIDE FENCE ATTACHMENT DETAILS AND FENCE FOUNDATION DESIGN PREPARED BY A MARYLAND REGISTERED STRUCTURAL ENGINEER. PROJECT STRUCTURAL ENGINEER WILL REVIEW THE FENCE FOUNDATION DESIGN SUBMITTED FOR PROJECT CONFORMANCE. STRUCTURAL DESIGN SHALL BE BASED ON 3'-0" MINIMUM FROST DEPTH, BEARING CAPACITY OF 3000 PSF, ACTIVE SOIL PRESSURE OF Ka=45 PSI

NOTES:
1. STEEL TO BE HOT DIPPED GALVANIZED
2. FINISH TO BE POLYESTER POWDERCOAT

BASIS OF DESIGN:
'ABERDEEN' INDUSTRIAL FENCE
IRON WORLD FENCING, LAUREL, MD



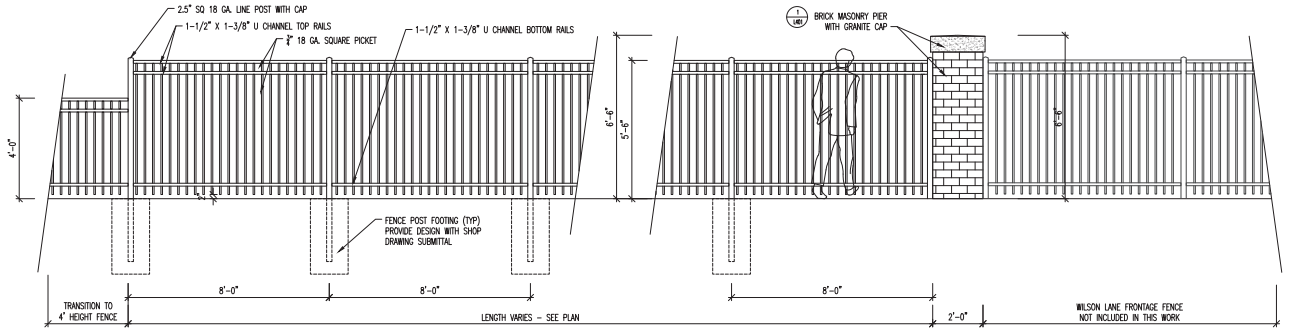
2 TYPICAL FENCE ELEVATION - 4' HEIGHT ORNAMENTAL METAL FENCE WITH MASONRY PIERS @ CORNERS AND GATES

SCALE: 1/2" = 1'-0"

ELEVATION SHOWS DESIGN INTENT AND BASIS OF DESIGN FOR PRICING. FENCE MANUFACTURER SHALL PROVIDE FENCE ATTACHMENT DETAILS AND FENCE FOUNDATION DESIGN PREPARED BY A MARYLAND REGISTERED STRUCTURAL ENGINEER. PROJECT STRUCTURAL ENGINEER WILL REVIEW THE FENCE FOUNDATION DESIGN SUBMITTED FOR PROJECT CONFORMANCE. STRUCTURAL DESIGN SHALL BE BASED ON 3'-0" MINIMUM FROST DEPTH, BEARING CAPACITY OF 3000 PSF, ACTIVE SOIL PRESSURE OF Ka=45 PSI

NOTES:
1. STEEL TO BE HOT DIPPED GALVANIZED
2. FINISH TO BE POLYESTER POWDERCOAT

BASIS OF DESIGN:
'ABERDEEN' INDUSTRIAL FENCE
IRON WORLD FENCING, LAUREL, MD



3 TYPICAL ELEVATION - 5.5' HEIGHT ORNAMENTAL METAL FENCE WITH MASONRY TERMINATION PIER

SCALE: 1/2" = 1'-0"

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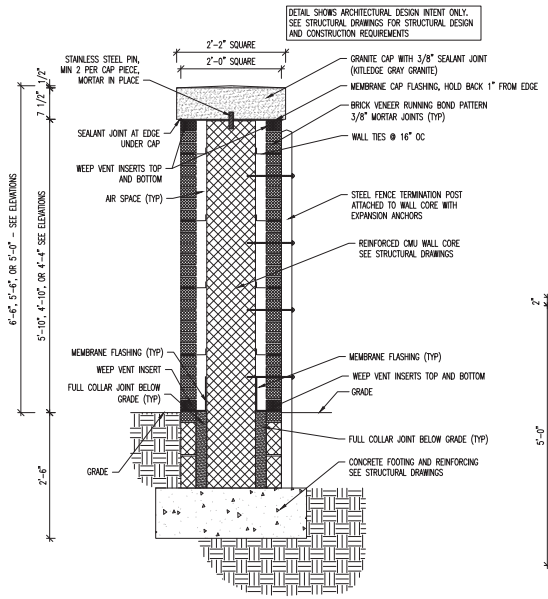
	01.22.21	70% CD Progress Set
	01.29.21	100% CD Submission

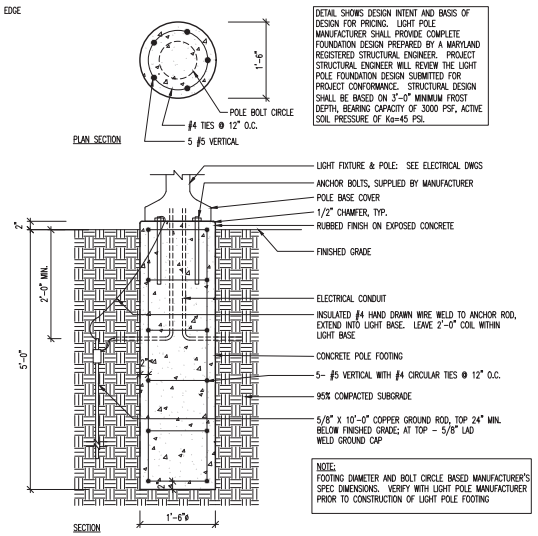
Drawing Title:
Site Elevations

Graphic Scale:
Scale as Noted

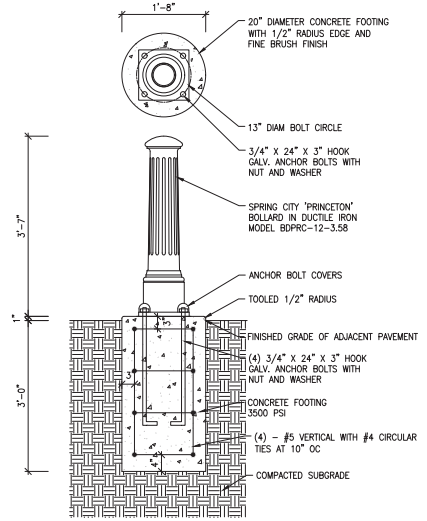
Project No: 2026
Date: 01.29.2021
Drawing No: L301



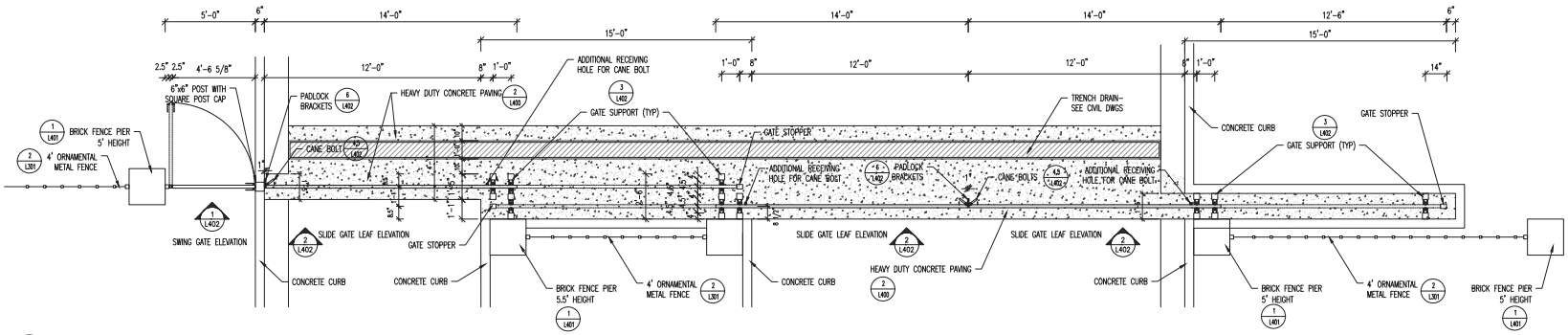
1 BRICK PIER FOR PERIMETER FENCE
SCALE: 1" = 1'-0"



2 LIGHT POLE FOOTING
SCALE: 1" = 1'-0"



3 DECORATIVE BOLLARD
SCALE: 1" = 1'-0"



4 DETAIL GATE PLAN AT SECURITY STATION
SCALE: 3/8" = 1'-0"

PROJECT
Landon School - Phase 0 - Welcome Center and Gatehouse

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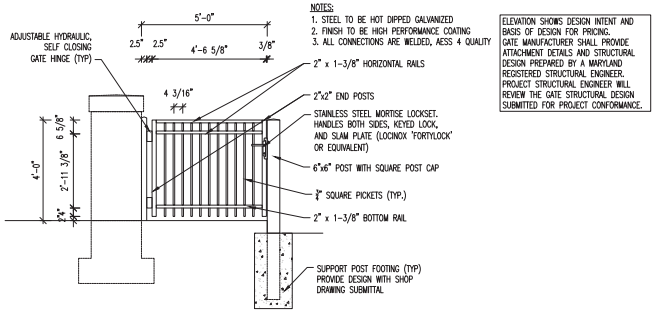
Professional Certification:
I certify that these documents were prepared or approved by me, and that I am a duly licensed landscape architect under the laws of Maryland.
License No, 817, Expiration 1.13.2022

Mark	Date	Description
	10.26.20	Schematic Design
	12.16.20	Design Development
	01.22.21	70% CD Progress Set
	01.29.21	100% CD Submission

Drawing Title:
Site Details

Graphic Scale:
Scale as Noted

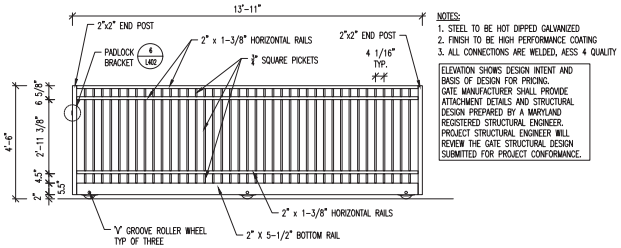
Project No: 2026
Date: 01.29.2021
Drawing No: L401



NOTES:
1. STEEL TO BE HOT DIPPED GALVANIZED
2. FINISH TO BE HIGH PERFORMANCE COATING
3. ALL CONNECTIONS ARE WELDED, AESS 4 QUALITY

ELEVATION SHOWS DESIGN INTENT AND BASIS OF DESIGN FOR PRICING. GATE MANUFACTURER SHALL PROVIDE ATTACHMENT DETAILS AND STRUCTURAL DESIGN PREPARED BY A MARYLAND REGISTERED STRUCTURAL ENGINEER. PROJECT STRUCTURAL ENGINEER WILL REVIEW THE GATE STRUCTURAL DESIGN SUBMITTED FOR PROJECT CONFORMANCE.

1 SWING GATE ELEVATION
SCALE: 1/2" = 1'-0"



NOTES:
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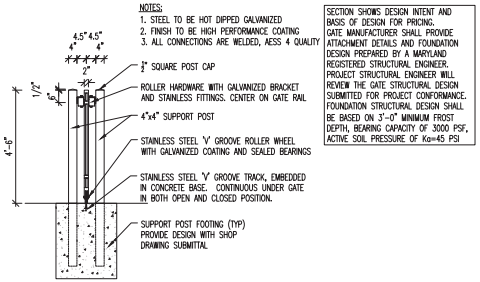
2 TYPICAL SLIDE GATE LEAF ELEVATION
SCALE: 1/2" = 1'-0"



NOTES:
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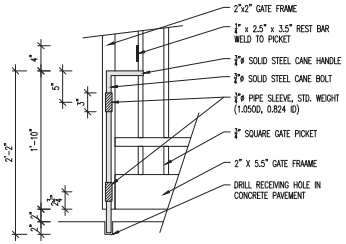
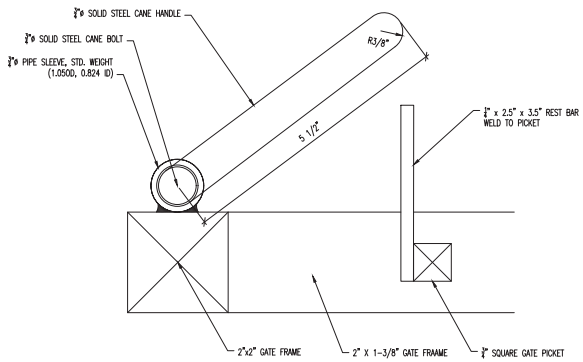
2. FINISH TO BE HIGH PERFORMANCE COATING
3. ALL CONNECTIONS ARE WELDED, AESS 4 QUALITY

SECTION SHOWS DESIGN INTENT AND BASIS OF DESIGN FOR PRICING. GATE MANUFACTURER SHALL PROVIDE ATTACHMENT DETAILS AND FOUNDATION DESIGN PREPARED BY A MARYLAND REGISTERED STRUCTURAL ENGINEER. PROJECT STRUCTURAL ENGINEER WILL REVIEW THE GATE STRUCTURAL DESIGN SUBMITTED FOR PROJECT CONFORMANCE. FOUNDATION STRUCTURAL DESIGN SHALL BE BASED ON 3'-0" MINIMUM FROST DEPTH, BEARING CAPACITY OF 3000 PSF, ACTIVE SOIL PRESSURE OF Ka=45 PSI

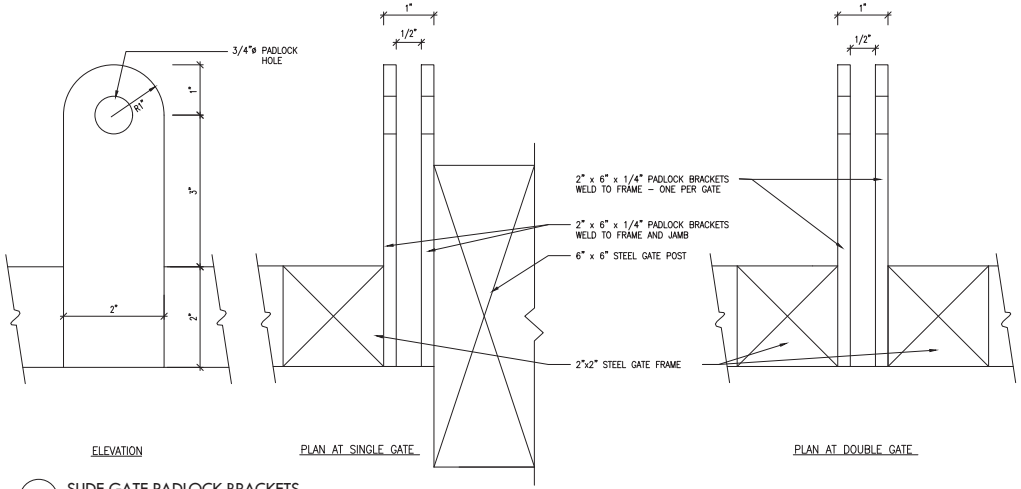
3 SLIDE GATE SUPPORT SECTION
SCALE: 1/2" = 1'-0"



4 CANE BOLT ASSEMBLY - ELEVATION
SCALE: 1 1/2" = 1'-0"



5 CANE BOLT ASSEMBLY - PLAN
SCALE: FULL SCALE



6 SLIDE GATE PADLOCK BRACKETS
SCALE: FULL SCALE

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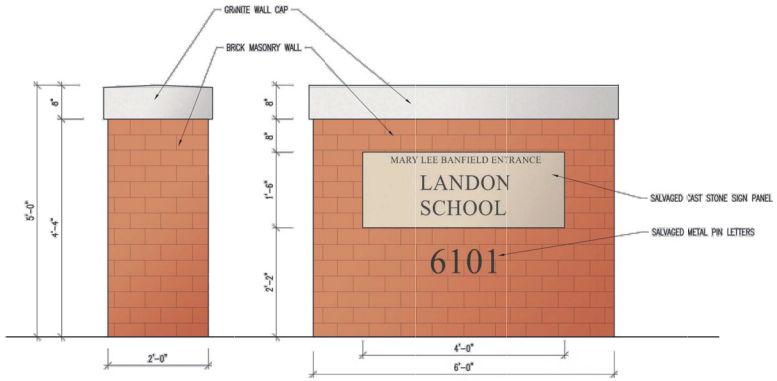
Mark	Date	Description
	10.26.20	Schematic Design
	12.16.20	Design Development
	01.22.21	70% CD Progress Set
	01.29.21	100% CD Submission

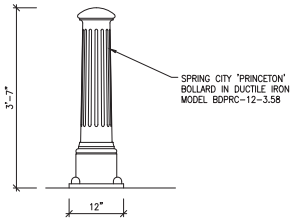
Drawing Title:
Site Details

Graphic Scale:
Scale as Noted

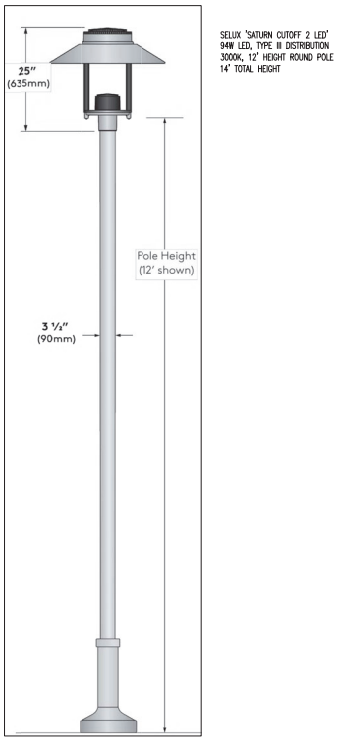
Project No: 2026
Date: 01.29.2021
Drawing No: L402



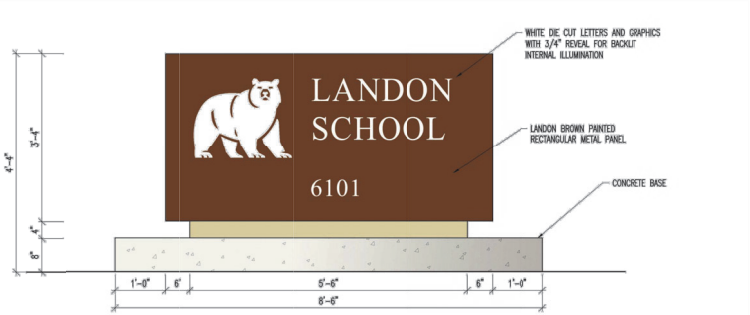
1 SALVAGED AND RECONSTRUCTED WILSON LANE ENTRANCE SIGN
SCALE: 1" = 1'-0"



2 DECORATIVE BOLLARD
SCALE: 1" = 1'-0"



4 PROPOSED LIGHT FIXTURE
SCALE: 1" = 1'-0"



3 WILSON LANE ENTRANCE SIGN - ALTERNATE
SCALE: 1" = 1'-0"

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Mark	Date	Description
	10.26.20	**Schematic Design**
	12.16.20	**Design Development**

Drawing Title:
Site Details

Graphic Scale:
As Noted

Project No:

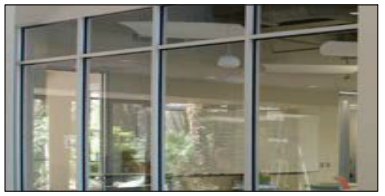
Date:
12.16.2020

Drawing No:
L400

EXTERIOR MATERIALS

The exterior materials for the proposed Landon - Phase 0 entrance and site improvements have been selected to be compatible with the existing architecture on campus and the character of the surrounding environment. The primary cladding material will be red brick cladding chosen to match existing campus buildings. The replacement fence along Wilson Lane will be a black, ornamental metal fence. Near the gatehouse entrance will be six masonry clad piers with granite caps. The gatehouse will be a small, prefabricated structures that will be masonry-clad in the field. It will have prefinished aluminum storefront windows, two sliding doors and a hipped roof. The roof will be clad in slate tiles to match the existing campus buildings.

Aberdeen Black Ornamental Metal Fence

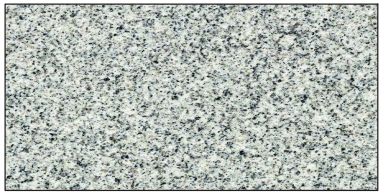


Prefinished Aluminum Storefront Windows

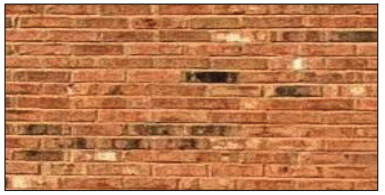
Spring City Princeton Metal Bollards

Slate Shingle Roofing to Match Existing Campus

Selux Saturn 1 LED Light Pole

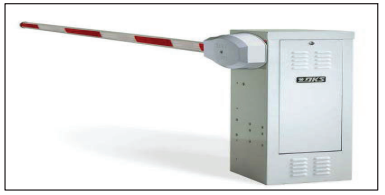


Kitledge Gray Granite for Masonry Pier Caps



Brick Masonry Cladding to Match Existing Campus Buildings

Prefinished Metal Clad Fascia and Vented Soffit



Raisable Gate Arm at Lane 1 Visitor Entrance

Q. Fiber Reinforced Panel: ASTM D5319 in color and texture indicated.

R. Interior Latex Paint: Two coats over latex primer/sealer: MPI INT 9.2A. Eggshell finish.

S. Exterior High Performance Coating: Semi-Gloss Polyurethane, Pigmented, Over High-Build Epoxy Coating System: One coat over intermediate coat recommended by topcoat manufacturer and epoxy anticorrosive primer. MPI EXT 5.3L
1. Properly prepare all hot-dip galvanized surfaces per coating manufacturer's written requirements to receive specified high-performance coating systems.

T. Solid-Surface-Material Countertop complying with ANSI SS1.

U. High-Pressure Decorative Laminate: NEMA LD 3.

2.3 PREFABRICATED SHELTER

A. Size: Custom, Reference Drawings

B. Height: Reference Drawings.

C. Prefabricated building with connections internally fastened with no exposed fasteners on building exterior.
1. Building Style:
   a. Custom as indicated on Drawings.

2. Doors:
   a. Sliding doors as indicated on Drawings.

3. Windows:
   a. Fixed windows as indicated on Drawings.
   b. 4" Aluminum storefront frame with clear anodized finish.
   c. Glazing:
      1) 1 inch (24 mm) thick, insulated, tempered safety glass (GL-1) as indicated on Drawings

4. Roof Type:
   a. Hipped roof with Slate shingles to match campus as indicated on Drawings.

5. Roof Overhang:
   a. 18". As indicated on drawings.

D. Frame Construction: Concealed structural steel and light gauge framing.

E. Base/Floor: Finished floor sealed concrete w/ anti-slip additive (installed by General Contractor). Rubber wall base as indicated in Drawings.

F. Wall Panel: Pre-finished Aluminum or Galvanized Steel exterior wall panels as indicated in Drawings.
1. Exterior Finish: Exterior panel faces shall have a manufacturer's finish as follows:

a. Custom color as selected by the Architect.

G. Roof: Slate Shingles to match campus buildings. Roof drains into prefinished metal gutters that convey precipitation to (2) 3” x 4” prefinished metal downspouts in the rear of the gatehouse.

2.4 BUILDING ACCESSORIES

A. Prefinished metal and glass manual sliding doors: 1-3/4 inches (44 mm) thick, insulated, A60 Galvannealed or G90 Galvanized steel
1. Commercial Grade Metal and Glass Manual Sliding Door 36 inches by 84 inches with 24 in by 48 in lite with hardware as follows, US32D typical:
Continuous hinge
1 Cylindrical turn deadlock
2 Pull/Push bars, 12”, vertical orientation both sides
1 Roller Latch
1 Wall stop
1 Weatherstripping
1 Door Bottom
1 Door Sweep
1 Threshold
1 Closer (concealed in head frame)
2. Insulated galvanized steel frame

B. Electrical Power Service: Provide in accordance with NEC Standards.
1. 125 amp, 120/240 VAC, single-phase, 3-wire service with 8-16 circuit breaker panel.
2. All conduit to be concealed in wall cavity.
3. Provide (2) 120-V GFCI power duplex receptacles with tester.
4. Provide (1) Data outlet
5. Provide (2) J-Boxes with 1/2” empty conduit runs for Data & Communications lines.

C. Indoor Lighting Fixtures:
1. Recessed LED fixtures as scheduled (Type A)
2. Provide dimmer switch mounted adjacent to door to control lighting fixtures.

D. Outdoor Lighting Fixtures:
1. Recessed linear LED light fixtures as scheduled (Type B).
2. Provide dimmer switches mounted adjacent to door to control lighting fixtures.

E. Heating & Cooling Units:

1. Ductless Split-System Heating and Air Conditioning Unit. Basis of design: LG High Efficiency Single Zone Inverter #LS090HSV4.

F. Communications Equipment:
1. Devices as indicated in Drawings and provided by others. GC to coordinate purchasing and installation with Owner.

G. Security Equipment:
1. Devices as indicated in Drawings and provided by others. GC to coordinate purchasing and installation with Owner.

H. Work Station:

1. Built-in millwork with solid-surface countertop.

a. 1/2” thick Solid-Surface-Material Countertop supported by metal brackets, with grommet hole for wiring and eased edges; as indicated on Drawings.

b. Plastic Laminate base cabinet and drawer, lockable, as indicated on Drawings.

c. Frameless concealed hinges (European Type): BHMA A156.9, B01602

d. Drawer slides: BHMA A156.9, B05091

e. Exposed hardware finishes: Satin Stainless Steel BHMA 630

2.5 FABRICATION

A. Fabricate factory built, prefabricated structures and shelters completely in factory.

B. Preglaze windows and doors at factory.

C. Prewire factory built, prefabricated structures and shelters at factory, ready for connection to service at Project site.

D. Separate dissimilar materials using nonconductive tape, paint, or other material not visible in finished work.

E. Fabricate factory built, prefabricated structures and shelters for forklift unloading under base of booth with forklift pockets in base of booth or welded in place concealed lifting lugs at roof that are suitable for placement of the structure on prepared foundations.

PART 3 EXECUTION

3.1 EXAMINATION

A. Examine supporting foundations for compliance with manufacturer's requirements, including installation tolerances and other conditions affecting performance of

supporting members.

B. Check installed anchor bolts for accuracy. Verify that bearing surfaces are ready to receive the work.

C. Verify the rough-in of required mechanical and electrical services prior to placement of the structure.

D. If preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

3.2 PREPARATION

A. Clean surfaces thoroughly prior to installation.

B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

3.3 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Separate dissimilar materials using nonconductive tape, paint, or other material not visible in finished work.

C. Place on prepared concrete foundations and slabs provided as specified under Division 3.

D. Anchor securely in place, allowing for required movement, including expansion and contraction.

E. Connect mechanical services as specified per manufacturer and code requirements.

F. Connect electrical services per code requirements.

3.4 PROTECTION

A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Substantial Completion.

END OF SECTION

SECTION 129300

SITE FURNISHINGS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. This Section includes the following:

1. Decorative Bollard

B. Related Sections include the following:

1. Division 03 Section "Cast-in-Place Concrete" for concrete footings.

1.3 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Samples for Verification: For each type of exposed finish required, submit material and finish sample, minimum size 3"x3".

C. Maintenance Data: For site furnishings to include in maintenance manuals.

1.4 QUALITY ASSURANCE

A. Source Limitations: Obtain each type of site furnishing(s) through one source from a single manufacturer.

PART 2 - PRODUCTS

2.1 DECORATIVE BOLLARD

A. Decorative ductile iron bollards as manufactured by Spring City Electrical Manufacturing Co, Spring City, PA, as follows:

1. ‘Princeton’ model BDPRC-12-3.58-RM in ductile iron, with optional bolt covers.
2. Factory prime and finish in Sherwin Williams ‘Acrolon', acrylic polyurethane, color: classic black
3. Provide in quantity and in locations shown on the drawings

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas and conditions, with Installer present, for compliance with requirements for correct and level finished grade, mounting surfaces, installation tolerances, and other conditions affecting performance.

1. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION, GENERAL

A. Comply with manufacturer's written installation instructions unless more stringent requirements are indicated. Complete field assembly of site furnishings where required.

B. Install site furnishings level, plumb, true, and securely anchored or positioned at locations indicated on Drawings.

1. Bollards: Embed in concrete pavement as shown on the drawings.

3.3 CLEANING

A. After completing site furnishing installation, inspect components. Remove spots, dirt, and debris. Repair damaged finishes to match original finish or replace component.

END OF SECTION 129300

SECTION 321216

ASPHALT PAVING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Cold milling of existing asphalt pavement.
2. Hot-mix asphalt patching.
3. Hot-mix asphalt paving.
4. Hot-mix asphalt overlay.
5. Asphalt surface treatments.

B. Related Requirements:

1. Section 024119 "Selective Demolition" for demolition and removal of existing asphalt pavement.
2. Section 312000 "Earth Moving" for subgrade preparation, fill material, unbound-aggregate subbase and base courses, and aggregate pavement shoulders.
3. Section 321373 "Concrete Paving Joint Sealants" for joint sealants and fillers at pavement terminations.
4. Section 321400 "Unit Paving" for bituminous setting bed for pavers.

1.3 PREINSTALLATION MEETINGS

A. Preinstallation Conference: Conduct conference at Project site.

1. Review methods and procedures related to hot-mix asphalt paving including, but not limited to, the following:

a. Review proposed sources of paving materials, including capabilities and location of plant that will manufacture hot-mix asphalt.
b. Review requirements for protecting paving work, including restriction of traffic during installation period and for remainder of construction period.

1.4 ACTION SUBMITTALS

A. Product Data: For each type of product.

1. Include technical data and tested physical and performance properties.

2. Job-Mix Designs: Certification, by authorities having jurisdiction, of approval of each job mix proposed for the Work.
3. Job-Mix Designs: For each job mix proposed for the Work.

1.5 INFORMATIONAL SUBMITTALS

A. Material Certificates: For each paving material.

1.6 QUALITY ASSURANCE

A. Manufacturer Qualifications: A paving-mix manufacturer registered with and approved by authorities having jurisdiction or the DOT of state in which Project is located.

B. Testing Agency Qualifications: Qualified according to ASTM D 3666 for testing indicated.

C. Regulatory Requirements: Comply with materials, workmanship, and other applicable requirements of Standards and Specifications for Construction and Materials of Maryland State Highway Administration (MSHA) for asphalt paving work.

1. Measurement and payment provisions and safety program submittals included in standard specifications do not apply to this Section.

1.7 FIELD CONDITIONS

A. Environmental Limitations: Do not apply asphalt materials if subgrade is wet or excessively damp, if rain is imminent or expected before time required for adequate cure, or if the following conditions are not met:

1. Prime Coat: Minimum surface temperature of 60 deg F.
2. Tack Coat: Minimum surface temperature of 60 deg F.
3. Slurry Coat: Comply with weather limitations in ASTM D 3910.
4. Asphalt Base Course: Minimum surface temperature of 40 deg F and rising at time of placement.
5. Asphalt Surface Course: Minimum surface temperature of 60 deg F at time of placement.

PART 2 - PRODUCTS

2.1 AGGREGATES

A. General: Use materials and gradations that have performed satisfactorily in previous installations.

B. Coarse Aggregate: ASTM D 692/D 692M, sound; angular crushed stone, crushed gravel, or cured, crushed blast-furnace slag.

C. Fine Aggregate: ASTM D 1073, sharp-edged natural sand or sand prepared from stone, gravel, cured blast-furnace slag, or combinations thereof.

1. For hot-mix asphalt, limit natural sand to a maximum of 20 percent by weight of the total aggregate mass.

D. Mineral Filler: ASTM D 242, rock or slag dust, hydraulic cement, or other inert material.

2.2 ASPHALT MATERIALS

A. Asphalt Binder: AASHTO M 320, PG 64-22.

B. Asphalt Cement: ASTM D 3381 for viscosity-graded material.

C. Cutback Prime Coat: ASTM D 2027, medium-curing cutback asphalt, MC-30.

D. Emulsified Asphalt Prime Coat: ASTM D 977 emulsified asphalt, or ASTM D 2397 cationic emulsified asphalt, slow setting, diluted in water, of suitable grade and consistency for application.

E. Tack Coat: ASTM D 977 emulsified asphalt, or ASTM D 2397 cationic emulsified asphalt, slow setting, diluted in water, of suitable grade and consistency for application.

F. Fog Seal: ASTM D 977 emulsified asphalt, or ASTM D 2397 cationic emulsified asphalt, slow setting, factory diluted in water, of suitable grade and consistency for application.

G. Water: Potable.

H. Undersealing Asphalt: ASTM D 3141/D 3141M; pumping consistency.

2.3 AUXILIARY MATERIALS

A. Recycled Materials for Hot-Mix Asphalt Mixes: Reclaimed asphalt pavement; reclaimed, unbound-aggregate base material; and recycled tires, asphalt shingles, or glass from sources and gradations that have performed satisfactorily in previous installations, equal to performance of required hot-mix asphalt paving produced from all new materials.

B. Herbicide: Commercial chemical for weed control, registered by the EPA, and not classified as "restricted use" for locations and conditions of application. Provide in granular, liquid, or wettable powder form.

C. Sand: ASTM D 1073, Grade No. 2 or No. 3.

D. Paving Geotextile: AASHTO M 288 paving fabric; nonwoven polypropylene; resistant to chemical attack, rot, and mildew; and specifically designed for paving applications.

E. Joint Sealant: ASTM D 6690, Type II, hot-applied, single-component, polymer-modified bituminous sealant.

2.4 MIXES

A. Recycled Content of Hot-Mix Asphalt: Postconsumer recycled content plus one-half of preconsumer recycled content not less than 10 percent or more than 15 percent by weight.

1. Surface Course Limit: Recycled content no more than 10 percent by weight.

B. Hot-Mix Asphalt: Dense-graded, hot-laid, hot-mix asphalt plant mixes approved by MSHA and complying with the following requirements:

1. Provide mixes with a history of satisfactory performance in geographical area where Project is located.

C. Emulsified-Asphalt Slurry: ASTM D 3910, Type 1.

PART 3 - EXECUTION

3.1 EXAMINATION

A. Verify that subgrade is dry and in suitable condition to begin paving.

B. Proof-roll subgrade below pavements with heavy pneumatic-tired equipment to identify soft pockets and areas of excess yielding. Do not proof-roll wet or saturated subgrades.

1. Completely proof-roll subgrade in one direction**,** repeating proof-rolling in direction perpendicular to first direction. Limit vehicle speed to 3 mph.
2. Proof roll with a loaded 10-wheel, tandem-axle dump truck weighing not less than 15 tons.
3. Excavate soft spots, unsatisfactory soils, and areas of excessive pumping or rutting, as determined by Architect, and replace with compacted backfill or fill as directed.

C. Proceed with paving only after unsatisfactory conditions have been corrected.

3.2 COLD MILLING

A. Clean existing pavement surface of loose and deleterious material immediately before cold milling. Remove existing asphalt pavement by cold milling to grades and cross sections indicated.

1. Mill to a depth of 1-1/2 inches.
2. Patch surface depressions deeper than 1 inch after milling, before wearing course is laid.

3.3 PATCHING

A. Asphalt Pavement: Saw cut perimeter of patch and excavate existing pavement section to sound base. Excavate rectangular or trapezoidal patches, extending 12 inches into perimeter of adjacent sound pavement, unless otherwise indicated. Cut excavation faces vertically. Remove excavated material. Recompact existing unbound-aggregate base course to form new subgrade.

B. Tack Coat: Before placing patch material, apply tack coat uniformly to vertical asphalt surfaces abutting the patch. Apply at a rate of 0.05 to 0.15 gal./sq. yd..

1. Allow tack coat to cure undisturbed before applying hot-mix asphalt paving.
2. Avoid smearing or staining adjoining surfaces, appurtenances, and surroundings. Remove spillages and clean affected surfaces.

C. Placing Patch Material: Fill excavated pavement areas with hot-mix asphalt base mix for full thickness of patch and, while still hot, compact flush with adjacent surface.

D. Placing Patch Material: Partially fill excavated pavements with hot-mix asphalt base mix and, while still hot, compact. Cover asphalt base course with compacted, hot-mix surface layer finished flush with adjacent surfaces.

3.4 REPAIRS

A. Leveling Course: Install and compact leveling course consisting of hot-mix asphalt surface course to level sags and fill depressions deeper than 1 inch in existing pavements.

1. Install leveling wedges in compacted lifts not exceeding 3 inches thick.

B. Crack and Joint Filling: Remove existing joint filler material from cracks or joints to a depth of 1/4 inch.

1. Clean cracks and joints in existing hot-mix asphalt pavement.
2. Use emulsified-asphalt slurry to seal cracks and joints less than 1/4 inch wide. Fill flush with surface of existing pavement and remove excess.
3. Use hot-applied joint sealant to seal cracks and joints more than 1/4 inch wide. Fill flush with surface of existing pavement and remove excess.

3.5 SURFACE PREPARATION

A. General: Immediately before placing asphalt materials, remove loose and deleterious material from substrate surfaces. Ensure that prepared subgrade is ready to receive paving.

B. Herbicide Treatment: Apply herbicide according to manufacturer's recommended rates and written application instructions. Apply to dry, prepared subgrade or surface of compacted-aggregate base before applying paving materials.

1. Mix herbicide with prime coat if formulated by manufacturer for that purpose.

C. Cutback Prime Coat: Apply uniformly over surface of compacted unbound-aggregate base course at a rate of 0.15 to 0.50 gal./sq. yd. Apply enough material to penetrate and seal, but not flood, surface. Allow prime coat to cure.

1. If prime coat is not entirely absorbed within 24 hours after application, spread sand over surface to blot excess asphalt. Use enough sand to prevent pickup under traffic. Remove loose sand by sweeping before pavement is placed and after volatiles have evaporated.
2. Protect primed substrate from damage until ready to receive paving.

D. Emulsified Asphalt Prime Coat: Apply uniformly over surface of compacted unbound-aggregate base course at a rate of 0.10 to 0.30 gal./sq. yd. per inch depth. Apply enough material to penetrate and seal, but not flood, surface. Allow prime coat to cure.

1. If prime coat is not entirely absorbed within 24 hours after application, spread sand over surface to blot excess asphalt. Use enough sand to prevent pickup under traffic. Remove loose sand by sweeping before pavement is placed and after volatiles have evaporated.
2. Protect primed substrate from damage until ready to receive paving.

E. Tack Coat: Apply uniformly to surfaces of existing pavement at a rate of 0.05 to 0.15 gal./sq. yd.

1. Allow tack coat to cure undisturbed before applying hot-mix asphalt paving.
2. Avoid smearing or staining adjoining surfaces, appurtenances, and surroundings. Remove spillages and clean affected surfaces.

3.6 PLACING HOT-MIX ASPHALT

A. Machine place hot-mix asphalt on prepared surface, spread uniformly, and strike off. Place asphalt mix by hand in areas inaccessible to equipment in a manner that prevents segregation of mix. Place each course to required grade, cross section, and thickness when compacted.

1. Place hot-mix asphalt base course in number of lifts and thicknesses indicated.
2. Place hot-mix asphalt surface course in single lift.
3. Spread mix at a minimum temperature of 250 deg F.
4. Begin applying mix along centerline of crown for crowned sections and on high side of one-way slopes unless otherwise indicated.
5. Regulate paver machine speed to obtain smooth, continuous surface free of pulls and tears in asphalt-paving mat.

B. Place paving in consecutive strips not less than 10 feet wide unless infill edge strips of a lesser width are required.

1. After first strip has been placed and rolled, place succeeding strips and extend rolling to overlap previous strips. Overlap mix placement about 1 to 1-1/2 inches from strip to strip to ensure proper compaction of mix along longitudinal joints.
2. Complete a section of asphalt base course before placing asphalt surface course.

C. Promptly correct surface irregularities in paving course behind paver. Use suitable hand tools to remove excess material forming high spots. Fill depressions with hot-mix asphalt to prevent segregation of mix; use suitable hand tools to smooth surface.

3.7 JOINTS

A. Construct joints to ensure a continuous bond between adjoining paving sections. Construct joints free of depressions, with same texture and smoothness as other sections of hot-mix asphalt course.

1. Clean contact surfaces and apply tack coat to joints.
2. Offset longitudinal joints, in successive courses, a minimum of 6 inches.
3. Offset transverse joints, in successive courses, a minimum of 24 inches.
4. Construct transverse joints at each point where paver ends a day's work and resumes work at a subsequent time. Construct these joints using either "bulkhead" or "papered" method according to AI MS-22, for both "Ending a Lane" and "Resumption of Paving Operations."
5. Compact joints as soon as hot-mix asphalt will bear roller weight without excessive displacement.
6. Compact asphalt at joints to a density within 2 percent of specified course density.

3.8 COMPACTION

A. General: Begin compaction as soon as placed hot-mix paving will bear roller weight without excessive displacement. Compact hot-mix paving with hot, hand tampers or with vibratory-plate compactors in areas inaccessible to rollers.

1. Complete compaction before mix temperature cools to 185 deg F.

B. Breakdown Rolling: Complete breakdown or initial rolling immediately after rolling joints and outside edge. Examine surface immediately after breakdown rolling for indicated crown, grade, and smoothness. Correct laydown and rolling operations to comply with requirements.

C. Intermediate Rolling: Begin intermediate rolling immediately after breakdown rolling while hot-mix asphalt is still hot enough to achieve specified density. Continue rolling until hot-mix asphalt course has been uniformly compacted to the following density:

1. Average Density: 96 percent of reference laboratory density according to ASTM D 6927, but not less than 94 percent or greater than 100 percent.
2. Average Density: 92 percent of reference maximum theoretical density according to ASTM D 2041, but not less than 90 percent or greater than 96 percent.

D. Finish Rolling: Finish roll paved surfaces to remove roller marks while hot-mix asphalt is still warm.

E. Edge Shaping: While surface is being compacted and finished, trim edges of pavement to proper alignment. Bevel edges while asphalt is still hot; compact thoroughly.

F. Repairs: Remove paved areas that are defective or contaminated with foreign materials and replace with fresh, hot-mix asphalt. Compact by rolling to specified density and surface smoothness.

G. Protection: After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened.

H. Erect barricades to protect paving from traffic until mixture has cooled enough not to become marked.

3.9 INSTALLATION TOLERANCES

A. Pavement Thickness: Compact each course to produce the thickness indicated within the following tolerances:

1. Base Course: Plus or minus 1/2 inch.
2. Surface Course: Plus 1/4 inch, no minus.

B. Pavement Surface Smoothness: Compact each course to produce a surface smoothness within the following tolerances as determined by using a 10-foot straightedge applied transversely or longitudinally to paved areas:

1. Base Course: 1/4 inch.
2. Surface Course: 1/8 inch.

3. Crowned Surfaces: Test with crowned template centered and at right angle to crown. Maximum allowable variance from template is 1/4 inch.

C. Asphalt Traffic-Calming Devices: Compact and form asphalt to produce the contour indicated and within a tolerance of plus or minus 1/8 inch of height indicated above pavement surface.

3.10 SURFACE TREATMENTS

A. Slurry Seals: Apply slurry coat in a uniform thickness according to ASTM D 3910 and allow to cure.

1. Roll slurry seal to remove ridges and provide a uniform, smooth surface.

3.11 FIELD QUALITY CONTROL

A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections.

B. Thickness: In-place compacted thickness of hot-mix asphalt courses will be determined according to ASTM D 3549.

C. Surface Smoothness: Finished surface of each hot-mix asphalt course will be tested for compliance with smoothness tolerances.

D. Asphalt Traffic-Calming Devices: Finished height of traffic-calming devices above pavement will be measured for compliance with tolerances.

E. In-Place Density: Testing agency will take samples of uncompacted paving mixtures and compacted pavement according to ASTM D 979.

1. Reference maximum theoretical density will be determined by averaging results from four samples of hot-mix asphalt-paving mixture delivered daily to site, prepared according to ASTM D 2041, and compacted according to job-mix specifications.
2. In-place density of compacted pavement will be determined by testing core samples according to ASTM D 1188 or ASTM D 2726.

a. One core sample will be taken for every 1000 sq. yd. or less of installed pavement, with no fewer than three cores taken.
b. Field density of in-place compacted pavement may also be determined by nuclear method according to ASTM D 2950 and correlated with ASTM D 1188 or ASTM D 2726.

F. Replace and compact hot-mix asphalt where core tests were taken.

G. Remove and replace or install additional hot-mix asphalt where test results or measurements indicate that it does not comply with specified requirements.

3.12 WASTE HANDLING

A. General: Handle asphalt-paving waste according to approved waste management plan required in Section 017419 "Construction Waste Management and Disposal."

END OF SECTION 321216

SECTION 323119

ORNAMENTAL METAL FENCES AND GATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

A. Section Includes:

1. Ornamental steel fences utilizing a manufactured fence system.
2. Custom welded ornamental steel swing gates and slide gates

B. Related Sections:

1. Division 32 Section for concrete fence and gate post footings

1.3 SUBMITTALS

A. Product Data: For each type of product indicated.

B. Shop Drawings: Provide full design, assembly and engineering drawings for fences and gates. Include plans, elevations, sections, details, and attachments to other work. Structural elements of fences and gates, including footings, shall be sized by a Maryland Certified Structural Engineer.

C. Samples: For each fence and gate material and for each color specified

1. Provide Samples 12 inches in length for linear materials.
2. Provide Samples 12 inches square for sheet or plate materials..

1.4 QUALITY ASSURANCE

A. Welding Qualifications: Qualify procedures and personnel according to AWS D1.1/D1.1M, "Structural Welding Code - Steel

B. Mockups: Build mockups to verify selections made under sample submittals and to demonstrate aesthetic effects and set quality standards for fabrication and installation.

1. Approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion..

C. Coordinate installation of fences and gates with adjacent masonry and concrete construction.

1.5 PREINSTALLATION CONFERENCE

A. Conduct preinstallation conference at the project site to coordinate the work of ornamental metal fences with adjacent masonry and concrete construction.

PART 2 - PRODUCTS

2.1 BASIS OF DESIGN FENCE PRODUCT

A. Basis of design product is 'Aberdeen Industrial' fence , as manufactured by Iron World Fencing, Laurel, MD. (301-766-7448). Drawings indicate specific design of rails, posts, and pickets.

1. Three rail design with 3/4" solid square pickets
2. Fence heights of 4' and 5.5', as shown on the drawings.
3. Polyester powder coat finish

B. Equivalent products are also acceptable

2.2 STEEL AND IRON

A. Plates, Shapes, and Bars: ASTM A 36/A 36M.

B. Bars (Pickets): Hot-rolled, carbon steel complying with ASTM A 29/A 29M, Grade 1010.

C. Tubing: ASTM A 500, cold formed steel tubing.

D. Castings: Either gray or malleable iron unless otherwise indicated.

1. Gray Iron: ASTM A 48/A 48M, Class 30.
2. Malleable Iron: ASTM A 47/A 47M.

2.3 COATING MATERIALS FOR ORNAMENTAL STEEL SWING GATES AND SLIDE GATES

A. Epoxy and Polyurethane Coatings as manufactured by Tnemec Company Inc.

B. Equivalent products are also acceptable

2.4 MISCELLANEOUS MATERIALS

A. Welding Rods and Bare Electrodes: Select according to AWS specifications for metal alloy welded.

B. Concrete: Normal-weight, air-entrained, ready-mix concrete complying with requirements on the structural drawings.

C. Nonshrink Grout: Factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107 and specifically recommended by manufacturer for exterior applications.

2.5 DECORATIVE STEEL SWING GATES AND SLIDE GATES

A. Decorative Steel Gates: Gates made from steel tubing, bars, and shapes. See drawings for details.

B. Fabrication: Assemble fences into sections by welding. Provide shop assembly to the extent possible. Field weld as necessary.

1. Coordinate assembly of fence posts with adjacent masonry piers and concrete footing and reinforcing requirements.

C. Finish exposed welds to comply with AESS #4 quality

D. Swing Gate Hardware.

1. Provide stainless steel lockset with handles on both sides. Provide strike plate with stopper.
2. Provide self closing, adjustable hydraulic gate hinges.

E. Slide Gate Hardware.

1. Provide stainless steel roller wheels and ‘V’ groove roller track. Track shall be embed type.
2. Provide black rubber guide rollers with weldable galvanized brackets.
3. Provide galvanized gate stops with rubber bumpers with hardware for ground attachment
4. Provide custom galvanized steel gate bolts and receiving holes as indicated on the drawings.
5. Provide custom galvanized steel padlock brackets as indicated on the drawings.

F. Galvanizing: For items other than hardware that are indicated to be galvanized, hot-dip galvanize to comply with ASTM A 123/A 123M. For hardware items, hot-dip galvanize to comply with ASTM A 153/A 153M.

2.6 STEEL FINISHES

A. Surface Preparation: Clean surfaces according to SSPC-SP 5/NACE No. 1, "White Metal Blast Cleaning.

B. High performance coating as manufactured by Tnemec Company Inc, or equivalent.

1. Primer Application: Series 94 H2O: Aromatic Urethane, Zinc Rich

2. Intermediate Coat: Series 27 WB-color: Inorganic Hybrid Water-based Epoxy.
3. Topcoat: Series 750 UVX -color: Polyfunctional Hybrid Urethane, Semi-gloss

PART 3 - EXECUTION

3.1 EXAMINATION

A. Examine areas and conditions, with Installer present, for compliance with requirements for site clearing, earthwork, pavement work, construction layout, and other conditions affecting performance of the Work.

B. Do not begin installation before final grading is completed unless otherwise permitted by Owner's representative.

C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

A. Stake locations of fence lines, gates, and terminal posts. Indicate locations of utilities, underground structures, benchmarks, and property monuments

3.3 ORNAMENTAL FENCE INSTALLATION

A. Install fences as shown on the approved shop drawings.

B. Fence post shall be spaced at approximately 8' on center. For installations that must be raked to follow sloping grades, the post spacing dimension must be measured along the grade. Fence panels shall be attached to posts with vandal proof mechanical fasteners and brackets. Posts shall be set in concrete footers.

C. When cutting/drilling rails or posts adhere to the following steps to seal the exposed steel surfaces; 1) Remove all metal shavings from cut area. 2) Apply zinc-rich primer to thoroughly cover cut edge and/or drilled hole; let dry. 3) Apply 2 coats of custom finish paint matching fence color.

3.4 ORNAMENTAL SWING GATE AND SLIDE GATE INSTALLATION

A. Install swing gates and slide gates as shown on the approved shop drawings.

B. Gate posts shall be set in accordance with the spacings shown in the approved shop drawings. 6" wheels shall be attached to the gate frame between the wheel plates welded near the ends of the gate bottom rail. The gate shall be set upright with the V-grooved wheels positioned over the pre-installed steel V-track that traverses the gate opening. V-track shall be set level. Roller guides shall be affixed to the gate posts at a height even with the gate rail to hold the gate in a vertical

position. Gate stops shall be bolted to the concrete pavement at the end of the gate or track so gate cannot pass rollers in either direction.

3.5 ADJUSTING AND CLEANING

A. Adjust and field weld fence and gate elements as needed to provide tight fitting assembly to the lines and grade of the design.

B. Field finish any blemishes on the fence elements that may have occurred during installation.

END OF SECTION 323119

SECTION 033053 - MISCELLANEOUS CAST-IN-PLACE CONCRETE

PART 1 - GENERAL

1.1 SUMMARY

A. Section includes cast-in-place concrete, including reinforcement, concrete materials, mixture design, placement procedures, and finishes.

1.2 ACTION SUBMITTALS

A. Product Data: For each type of product indicated.

B. Other Action Submittal:

1. Design Mixtures: For each concrete mixture.

1.3 QUALITY ASSURANCE

A. Ready-Mix-Concrete Manufacturer Qualifications: A firm experienced in manufacturing ready-mixed concrete products and that complies with ASTM C 94/C 94M requirements for production facilities and equipment.

B. Comply with ACI 301 (ACI 301M).

C. Comply with ACI 117, "Specifications for Tolerances for Concrete Construction and Materials."

PART 2 - PRODUCTS

2.1 FORMWORK

A. Furnish formwork and formwork accessories according to ACI 301 (ACI 301M).

2.2 STEEL REINFORCEMENT

A. Reinforcing Bars: ASTM A 615/A 615M, Grade 60 (Grade 420), deformed.

B. Plain-Steel Wire: ASTM A 82/A 82M, as drawn.

C. Plain-Steel Welded Wire Reinforcement: ASTM A 185/A 185M, fabricated from as-drawn steel wire into flat sheets.

2.3 CONCRETE MATERIALS

A. Cementitious Material: Use the following cementitious materials, of the same type, brand, and source throughout Project:

1. Portland Cement: ASTM C 150, Type I/II

B. Normal-Weight Aggregate: ASTM C 33, graded, 1-1/2-inch (38-mm) nominal maximum aggregate size.

C. Water: ASTM C 94/C 94M.

2.4 ADMIXTURES

A. Air-Entraining Admixture: ASTM C 260.

2.5 RELATED MATERIALS

A. Vapor Retarder: Polyethylene sheet, ASTM D 4397, not less than 10 mils (0.25 mm) thick; or plastic sheet, ASTM E 1745, Class C.

B. Joint-Filler Strips: ASTM D 1751, asphalt-saturated cellulosic fiber, or ASTM D 1752, cork or self-expanding cork.

2.6 CURING MATERIALS

A. Evaporation Retarder: Waterborne, monomolecular film forming; manufactured for application to fresh concrete.

B. Absorptive Cover: AASHTO M 182, Class 3, burlap cloth or cotton mats.

C. Moisture-Retaining Cover: ASTM C 171, polyethylene film or white burlap-polyethylene sheet.

D. Water: Potable.

E. Clear, Waterborne, Membrane-Forming Curing Compound: ASTM C 309, Type 1, Class B.

2.7 CONCRETE MIXTURES

A. Normal-Weight Concrete: Prepare design mixes, proportioned according to ACI 301, as follows:

1. Minimum Compressive Strength: 4500 psi at 28 days.
2. Maximum Water-Cementitious Materials Ratio: 0.45.
3. Slump Limit: 4 inches plus or minus 1 inch
4. Air Content: Maintain within range permitted by ACI 301.

2.8 CONCRETE MIXING

A. Ready-Mixed Concrete: Measure, batch, mix, and deliver concrete according to ASTM C 94/C 94M and ASTM C 1116/C 1116, and furnish batch ticket information.

1. When air temperature is above 90 deg F (32 deg C), reduce mixing and delivery time to 60 minutes.

PART 3 - EXECUTION

3.1 FORMWORK

A. Design, construct, erect, brace, and maintain formwork according to ACI 301.

3.2 EMBEDDED ITEMS

A. Place and secure anchorage devices and other embedded items required for adjoining work attached to or supported by cast-in-place concrete. Use setting drawings, templates, diagrams, instructions, and directions furnished with items to be embedded.

3.3 VAPOR RETARDERS

A. Install, protect, and repair vapor retarders according to ASTM E 1643, place sheets in position with longest dimension parallel with direction of pour.

1. Lap joints 6 inches (150 mm) and seal with manufacturer's recommended adhesive or joint tape.

3.4 STEEL REINFORCEMENT

A. Comply with CRSI's "Manual of Standard Practice" for fabricating, placing, and supporting reinforcement.

1. Do not cut or puncture vapor retarder. Repair damage and reseal vapor retarder before placing concrete.

3.5 JOINTS

A. General: Construct joints true to line with faces perpendicular to surface plane of concrete.

B. Isolation Joints: Install joint-filler strips at junctions with slabs-on-grade and vertical surfaces, such as column pedestals, foundation walls, grade beams, and other locations, as indicated.

3.6 CONCRETE PLACEMENT

A. Comply with ACI 301 (ACI 301M) for placing concrete.

B. Before test sampling and placing concrete, water may be added at Project site, subject to limitations of ACI 301 (ACI 301M).

C. Do not add water to concrete during delivery, at Project site, or during placement.

D. Consolidate concrete with mechanical vibrating equipment.

3.7 FINISHING FORMED SURFACES

A. Rough-Formed Finish: As-cast concrete texture imparted by form-facing material with tie holes and defective areas repaired and patched. Remove fins and other projections exceeding 1/2 inch.

3.8 CONCRETE PROTECTING AND CURING

A. General: Protect freshly placed concrete from premature drying and excessive cold or hot temperatures. Comply with ACI 306.1 for cold-weather protection and with ACI 301 (ACI 301M) for hot-weather protection during curing.

B. Evaporation Retarder: Apply evaporation retarder to concrete surfaces if hot, dry, or windy conditions cause moisture loss approaching 0.2 lb/sq. ft. x h (1 kg/sq. m x h) before and during finishing operations. Apply according to manufacturer's written instructions after placing, screeding, and bull floating or darbying concrete, but before float finishing.

C. Begin curing after finishing concrete but not before free water has disappeared from concrete surface.

D. Curing Methods: Cure formed and unformed concrete for at least seven days by one or a combination of the following methods:

1. Moisture Curing: Keep surfaces continuously moist for not less than seven days with the following materials:

    a. Water.
    b. Continuous water-fog spray.
    c. Absorptive cover, water saturated and kept continuously wet. Cover concrete surfaces and edges with 12-inch (300-mm) lap over adjacent absorptive covers.

2. Moisture-Retaining-Cover Curing: Cover concrete surfaces with moisture-retaining cover for curing concrete, placed in widest practicable width, with sides and ends lapped at least 12 inches (300 mm), and sealed by waterproof tape or adhesive. Cure for not less than seven days. Immediately repair any holes or tears during curing period using cover material and waterproof tape.

3. Curing and Sealing Compound: Apply uniformly to floors and slabs indicated in a continuous operation by power spray or roller according to manufacturer's written instructions. Recoat areas subjected to heavy rainfall within three hours after initial application. Repeat process 24 hours later and apply a second coat. Maintain continuity of coating and repair damage during curing period.

3.9 FIELD QUALITY CONTROL

A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections.

B. Tests: Perform according to ACI 301.

1. Testing Frequency: One composite sample shall be obtained for each day's pour of each concrete mix exceeding 5 cu. yd. (4 cu. m) but less than 25 cu. yd. (19 cu. m), plus one set for each additional 50 cu. yd. (38 cu. m) or fraction thereof.

3.10 REPAIRS

A. Remove and replace concrete that does not comply with requirements in this Section.

END OF SECTION 033053

Wilson Lane

Wilson Lane

Entrance Drive

Site

August 4, 2020

Jim Neill
6101 Wilson Lane
Bethesda, MD 20817

Re: NRI/FSD 420201370
Name of Plan: Landon School
Date Received: August 04, 2020

Dear Mr. Neill:

This letter is to inform you that the Natural Resource Inventory/Forest Stand Delineation (NRI/FSD) 420201370, Landon School, is approved. A forest conservation plan can now be submitted to the Planning Department in conjunction with any application to which it is a necessary component.

Since the property is subject to the Montgomery County Forest Conservation law there shall be no clearing of forest, understory, or tree removal on the subject site prior to the approval of a Final Forest Conservation Plan. If there are any subsequent modifications to the approved plan, not including changes initiated by a government agency, a separate amendment must be submitted to M-NCPPC for review and approval prior to the submission of a forest conservation plan.

In accordance with Section 22A-10(b)(4) of the Montgomery County Forest Conservation Law, this approval is valid for a period of 2 years from the date of approval unless; (A) a forest conservation plan has been accepted as complete; or (B) the delineation has been recertified by the preparer.

If you have any questions regarding these actions, please feel free to contact me at (301) 495-2116 or at Tsaiquan.Gatling@MontgomeryPlanning.org

Sincerely,

Tsaiquan Gatling
Environmental Senior Planner
Down-County Planning Division
Montgomery County Planning Department
Maryland-National Capital Park and Planning Commission

cc Andrew Streagle (A. Morton Thomas & Assoc. Inc.)

MONTGOMERY PLANNING DEPARTMENT
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
APPROVED - 420201370
Tsaiquan Gatling (Tsaiquan.Gatling@montgomeryplanning.org)
08/04/20

NARRATIVE DESCRIPTION:

THIS 69.74 ACRE PARCEL IS LOCATED IN BETHESDA. THE PROPERTY IS BORDERED BY MOSTLY RESIDENTIAL PROPERTIES. THE ADJACENT ROADWAYS ARE DESIGNATED NO HIGHER THAN ARTERIAL.

FOREST CAN BE FOUND ON THE WEST SIDE OF THE PROPERTY IN THE STREAM VALLEY. THE NORTHERN PORTION OF THE SITE IS TREE STAND THAT HAS MAINTAINED LAWN UNDERNEATH. THERE ARE MANY SPECIMEN TREES LOCATED THROUGHOUT THE PROPERTY.

TREE IDENTIFICATION, CONDITIONS AND RETENTION POTENTIAL

NOTE 1: TREE SPECIES NAMED REPRESENT THE PROFESSIONAL JUDGMENT OF THE PREPARER OR DETERMINATION BY M-NCPPC. THERE ARE A VARIETY OF REASONS IDENTIFICATION CAN BE INCONCLUSIVE: WINTER IDENTIFICATION IS LESS RELIABLE THAN DURING THE GROWING SEASON. PROPER IDENTIFICATION CAN ONLY BE MADE ON THE BASIS OF FLOWERING PARTS, WHICH ARE OFTEN ABSENT. WHILE THE NAMED GENERA ARE FELT TO BE RELIABLE, SOME SPECIES AND HYBRIDS ARE LESS CERTAIN. ONE EXAMPLE IS THE DISTINCTION BETWEEN QUERCUS SPECIES. Q. RUBRA, Q. BOREALIS, Q. PALUSTRIS AND Q. FALCATA ARE ALL CLASSIFIED AS "RED OAKS", AND THEY ARE NOTABLE FOR FREELY HYBRIDIZING. EVEN EXAMINATION OF FLORAL PARTS IS OFTEN INCONCLUSIVE. THE GENERA MALUS AND CRATAEGUS POSE A SIMILAR CHALLENGE.

NOTE 2: NO WARRANTY, EXPRESSED OR IMPLIED, CAN BE MADE WITH RESPECT TO TREE SAFETY, FITNESS OR SURVIVAL. THE COMMENTARY ABOUT INDIVIDUAL TREES NOTES SOME ACTUAL OR POTENTIAL DEFECTS TO BE CONSIDERED. HOWEVER, HIDDEN FACTORS AND UNFORESEEABLE EVENTS MAY BE HIGHLY SIGNIFICANT, WHILE SOME OF THE POTENTIAL PROBLEMS NOTED MAY NOT. THE PROPOSED DISTURBANCES WILL HAVE SOME ADVERSE IMPACT UPON THE REMAINING TREES. OTHER STRESSES SUCH AS DISEASE, WIND, SUNSCALD, AIR POLLUTION, REFLECTED HEAT AND LIGHT, INSUFFICIENT OR EXCESS RAINFALL CAN COMBINE TO CAUSE ADDITIONAL DAMAGE OR DEATH TO A TREE. ANY RECOMMENDED ACTIONS ARE INTENDED TO PARTIALLY OFFSET FORESEEABLE DAMAGE. HOWEVER, TREES SHOULD BE MONITORED AND ADDITIONAL CORRECTIVE MEASURES OR REMOVAL MAY BE NECESSARY.

LEGEND

- 290 — MAJOR CONTOUR
- MINOR CONTOUR
- PROPERTY LINE
- EXISTING PAVEMENT
- EXISTING BUILDING
- EXISTING WOOD FENCE
- EXISTING YARD INLET
- EXISTING BOLLARD
- OHU — EXISTING OVERHEAD UTILITY
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- OHE — EXISTING OVERHEAD ELECTRIC UTILITY
- 6A — SOIL TYPE
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- TREE STAND/TREE CANOPY
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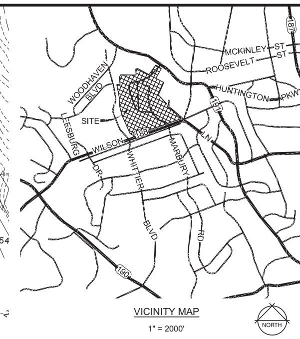
- EXISTING LIGHT
- BRL — BUILDING RESTRICTION LINE
- FP — FLOODPLAIN
- CRITICAL ROOT ZONE



VICINITY MAP

1" = 2000'

NRI/FSD PLAN NOTES

1. PROJECT TRACT: 69.74 ACRES
2. PROPERTY IS ZONED: R-90 (OVERLAY ZONE: TDR 8.0)
3. TAX ACCOUNT ID: 3263726
4. THE PROJECT SITE IS LOCATED WITHIN THE CABIN JOHN WATERSHED
5. STREAM USE CLASS: I/I-P
6. NOT WITHIN SPA
7. THERE IS NO FLOODPLAIN ON SITE PER FEMA FLOODPLAIN MAPS 24031C0435D AND 24031C0455D. THE 100-YEAR FLOODPLAIN SHOWN WAS COMPUTED BY MACRIS HENDRICKS AND GLASCOCK, P.A. AND MERLIN.
8. THERE WERE NO WETLANDS OBSERVED ON SITE
9. THERE ARE NO RECORDS OF RARE, THREATENED OR ENDANGERED SPECIES PER DNR LETTER DATED 01/31/2020.
10. THERE IS A HISTORIC SITE LOCATED ON THE PROPERTY. IT IS THE LANDSDALE HOUSE/LANDON SCHOOL (INVENTORY NUMBER M:35-16)
11. THERE ARE NO NATIONAL, STATE, OR CHAMPION TREES ON SITE
12. TREES WERE MEASURED WITH D-TAPE.
13. FIELD WORK WAS CONDUCTED BY MATT WEIR AND ANDREA STIRTON FROM A. MORTON THOMAS AND ASSOCIATES, INC. IN DECEMBER 2019 AND JANUARY 2020.
14. THIS PLAN WAS BASED ON INFORMATION FROM A PREVIOUSLY APPROVED NRI/FSD PRODUCED BY MACRIS, HENDRICKS, AND GLASCOCK, P.A. (NRI #4-99174, 2-25-99)

RESOURCE DATA TABLE

TYPE	ACREAGE ON SITE
FOREST	13.14 AC.
WETLANDS	0 AC.
FORESTED WETLANDS	0 AC.
FLOODPLAINS	2.25 AC.
FORESTED FLOODPLAINS	2.16 AC.
STREAM BUFFERS	10.57 AC.
FORESTED STREAM BUFFERS	9.42 AC.

SOIL TYPES

MAP UNIT SYMBOL	MAP UNIT NAME	HYDRIC SOIL	HIGHLY ERODIBLE?*	HYDROLOGIC SOIL GROUP	DRAINAGE CLASS
2C	GLENELG SILT LOAM, 8-15% SLOPES	NO	NO	B	WELL DRAINED
2UB	GLENELG-URBAN LAND COMPLEX, 0-8% SLOPES	NO	NO	B	WELL DRAINED
6A	BAILE SILT LOAM, 0-3% SLOPES	YES	NO	C/D	POORLY DRAINED
16D	BRINKLOW-BLOCKTOWN CHANNERY SILT LOAMS, 15-25% SLOPES	NO	YES	C	WELL DRAINED
27B	NESHAMINY SILT LOAM, 3-8% SLOPES	NO	NO	B	WELL DRAINED

* HIGHLY ERODIBLE SOILS ARE BASED ON THE LATEST VERSION OF "MONTGOMERY COUNTY GUIDELINES FOR ENVIRONMENTAL MANAGEMENT OF DEVELOPMENT IN MONTGOMERY COUNTY."

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

0 100' 200'
SCALE: 1"=100'

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CONSULTANTS

07/09/2020

LANDON SCHOOL

6101 WILSON LANE
BETHESDA, MD 20817

MARK	DATE	DESCRIPTION

M-NCPPC PROJECT NO:	420201370
PROJECT NO:	17-0250.002
SCALE:	1"=10'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

NATURAL RESOURCES INVENTORY AND FOREST STAND DELINEATION PLAN

LN1.0

SHEET 01 OF 15

MONTGOMERY PLANNING DEPARTMENT
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
APPROVED - 420201370
Tsaiquan Gatling (Tsaiquan.Gatling@montgomeryplanning.org)
08/04/20

LEGEND

290	MAJOR CONTOUR
	MINOR CONTOUR
	PROPERTY LINE
	EXISTING PAVEMENT
	EXISTING BUILDING
	EXISTING WOOD FENCE
	EXISTING YARD INLET
	EXISTING BOLLARD
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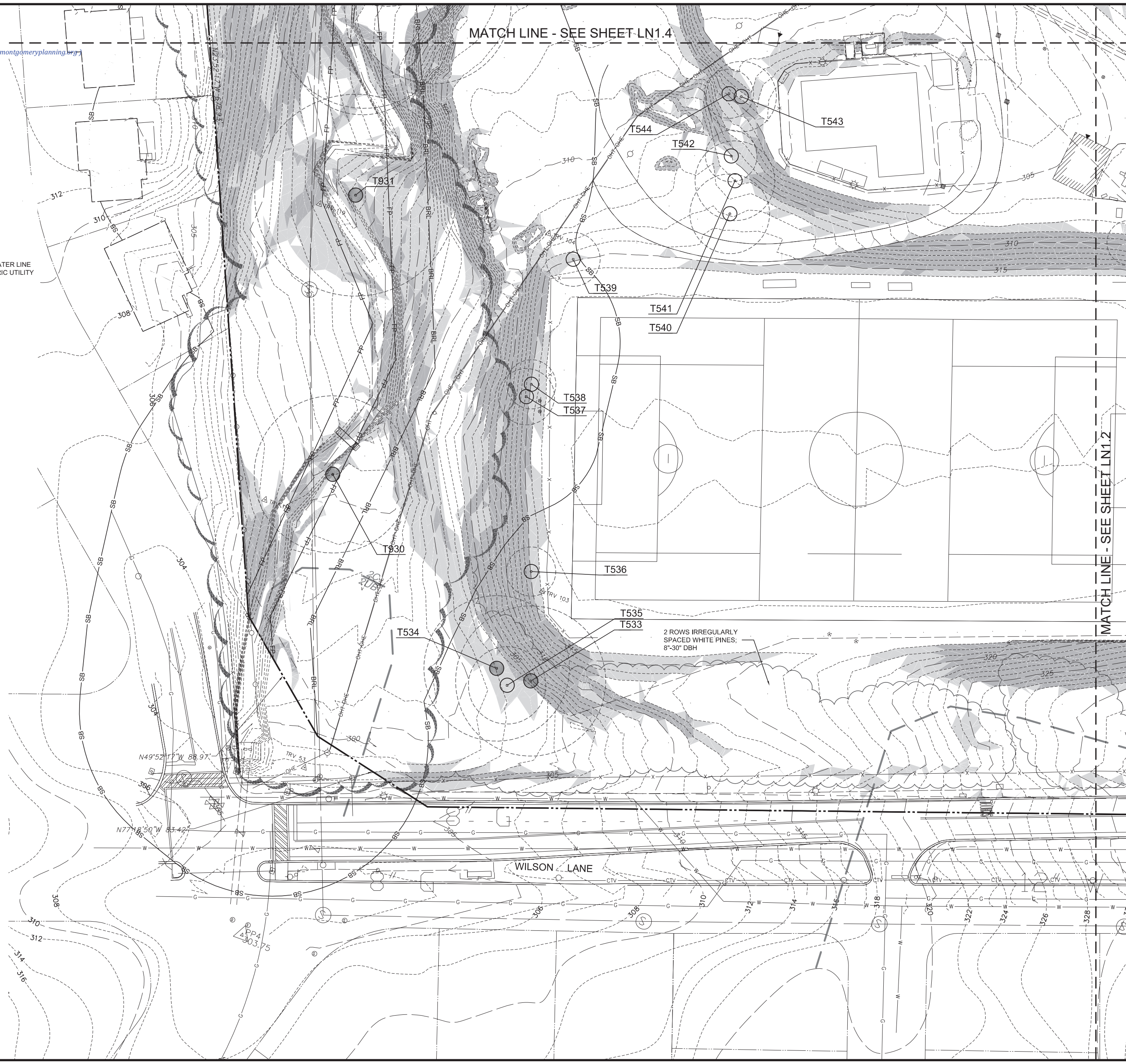

N
MD STATE PLANE NAD 83

0 30' 60'
SCALE: 1"=30'

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NATURAL RESOURCES INVENTORY AND FOREST STAND DELINEATION PLAN

LN1.1

SHEET 02 OF 15

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THE MARYLAND NATIONAL CAPITAL PARK AND PLANNING COMMISSION

APPROVED - 420201370

Tsaiquan Gatling (Tsaiquan.Gatling@montgomeryplanning.org)
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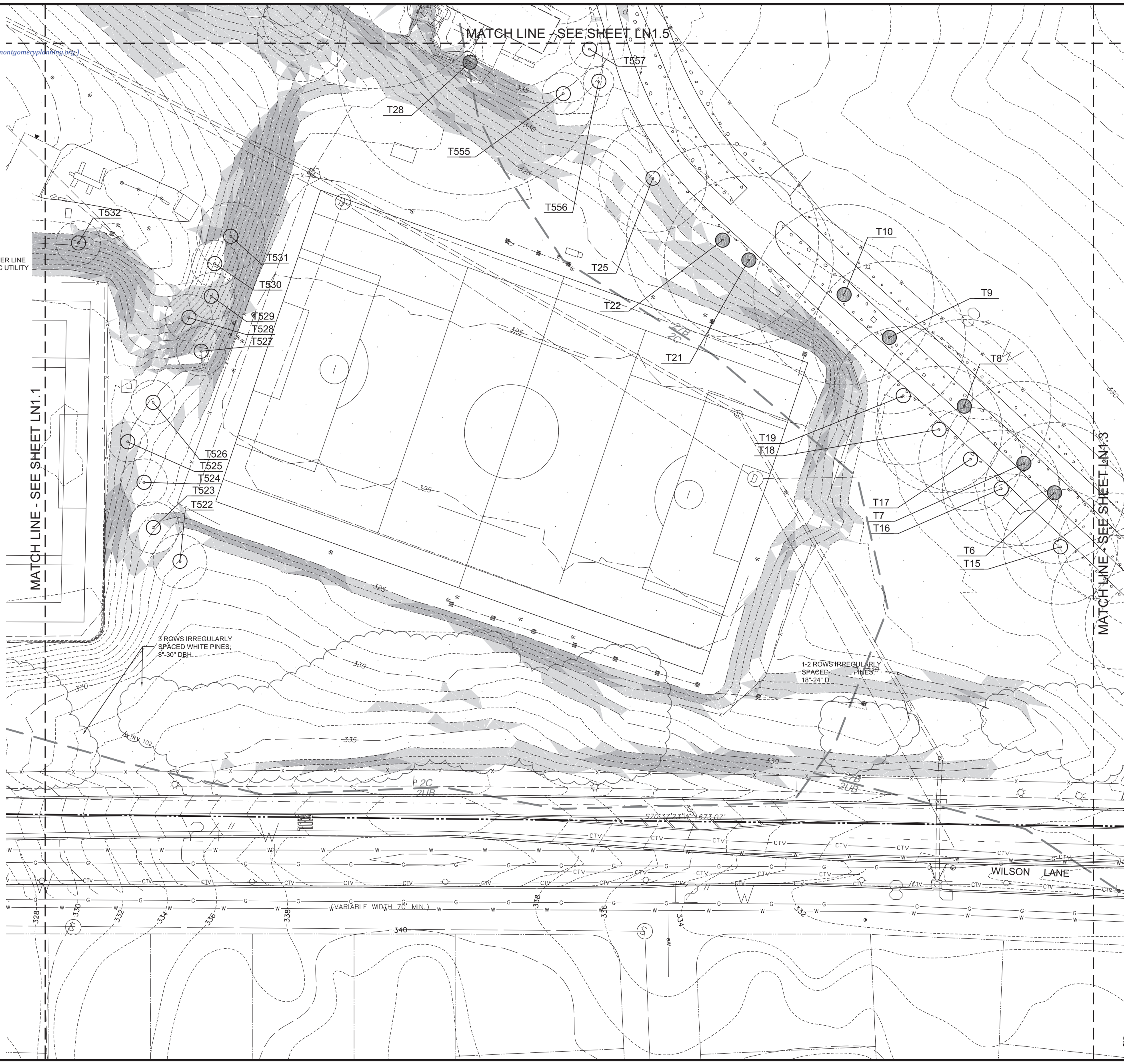

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MD STATE PLANE NAD 83

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STATE OF MARYLAND — LANDSCAPE ARCHITECT
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NATURAL RESOURCES INVENTORY AND FOREST STAND DELINEATION PLAN

0 30' 60'
SCALE: 1"=30'

LN1.2

SHEET 03 OF 15

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THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
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Tsaiquan Gatling (Tsaiquan.Gatling@montgomeryplanning.org)
08/04/20

LEGEND

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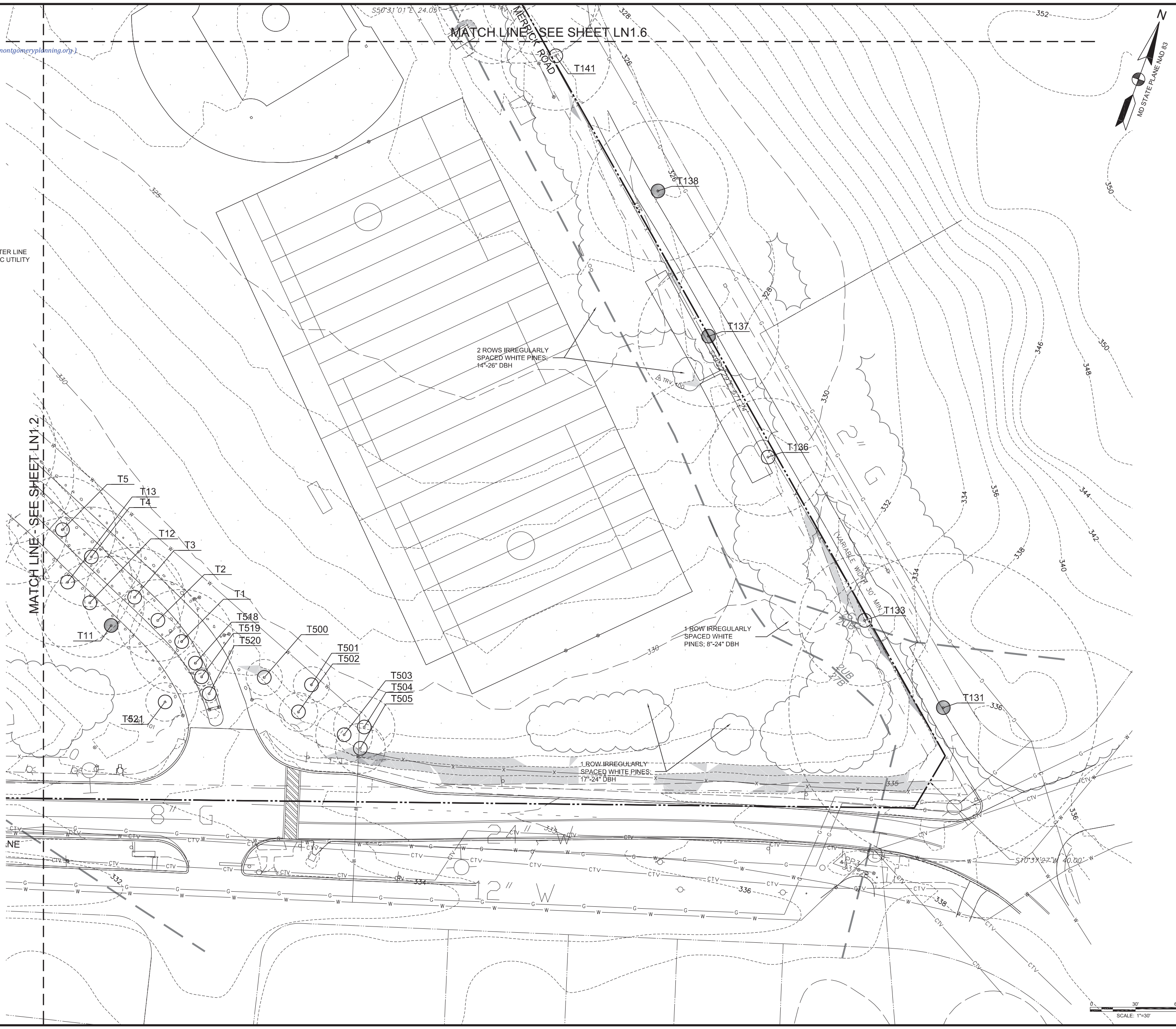

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SHEET TITLE

NATURAL RESOURCES INVENTORY AND FOREST STAND DELINEATION PLAN

LN1.3

SHEET 04 OF 15

LEGEND

Symbol	Description
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	MINOR CONTOUR
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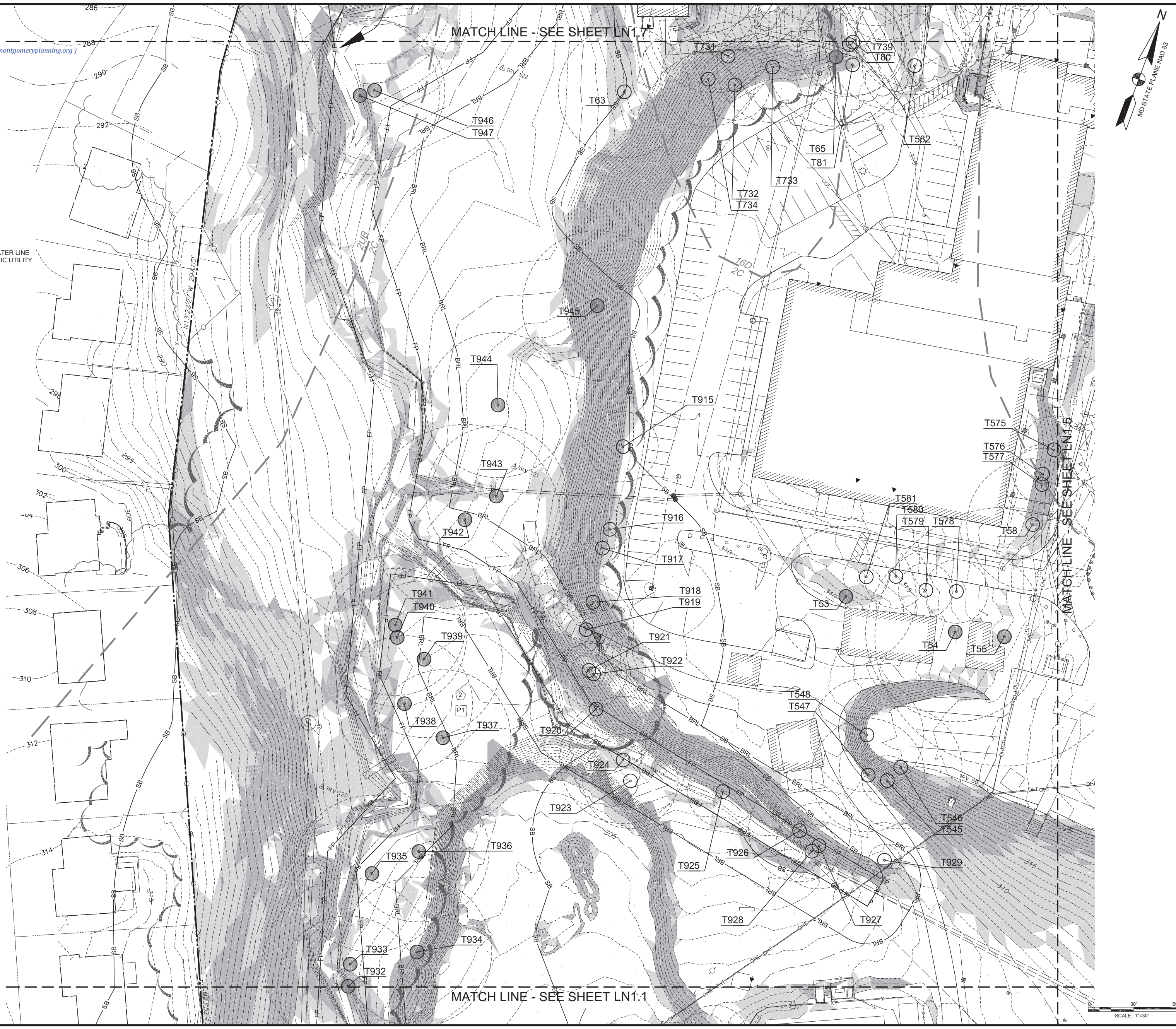

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07/09/2020

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SHEET TITLE

NATURAL RESOURCES INVENTORY AND FOREST STAND DELINEATION PLAN

LN1.4

SHEET 05 OF 15

MONTGOMERY PLANNING DEPARTMENT
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION

APPROVED - 420201370

Tsaiquan Gatling (Tsaiquan.Gatling@montgomeryplanning.org)
08/04/20

LEGEND

290	MAJOR CONTOUR
	MINOR CONTOUR
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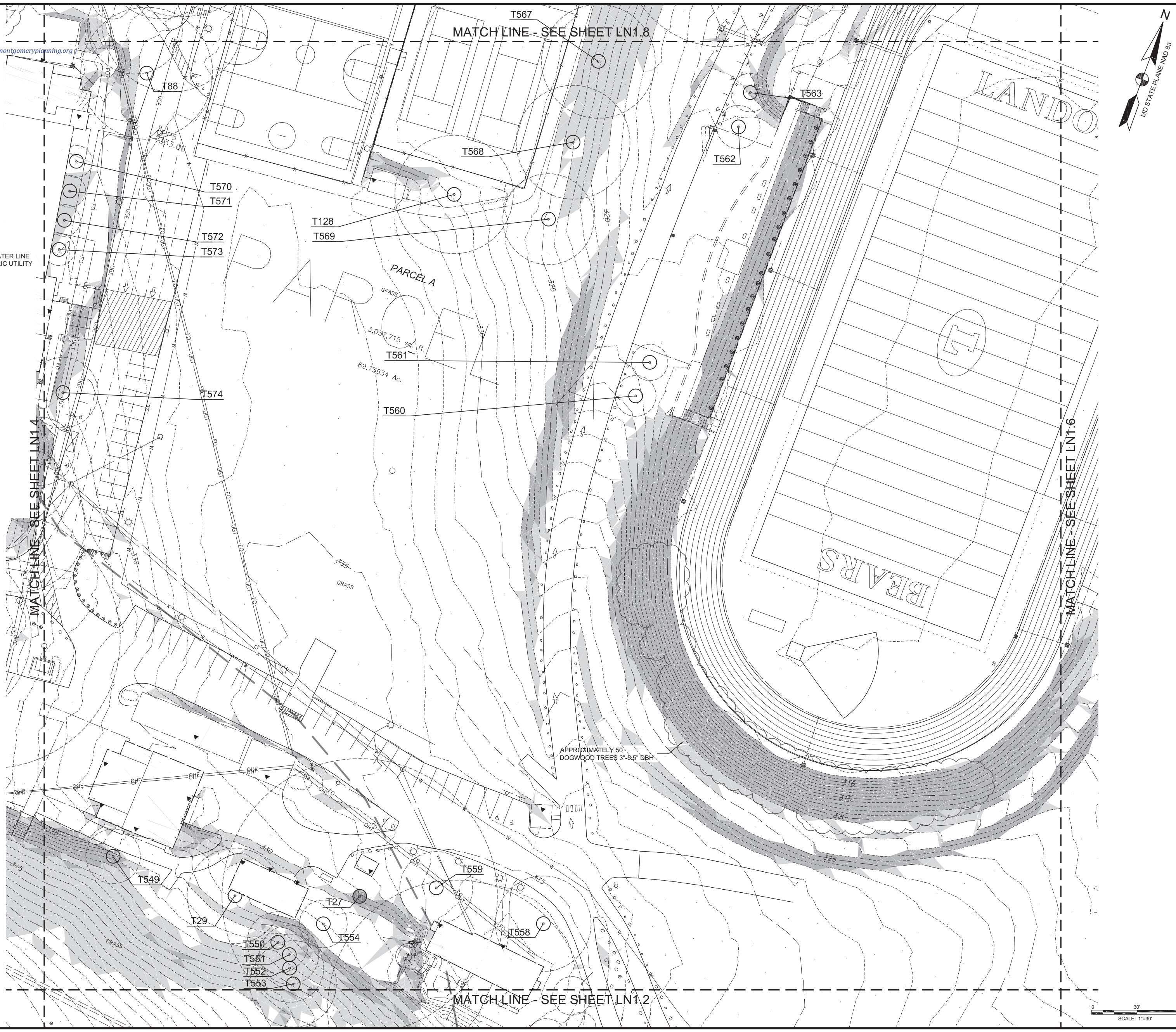

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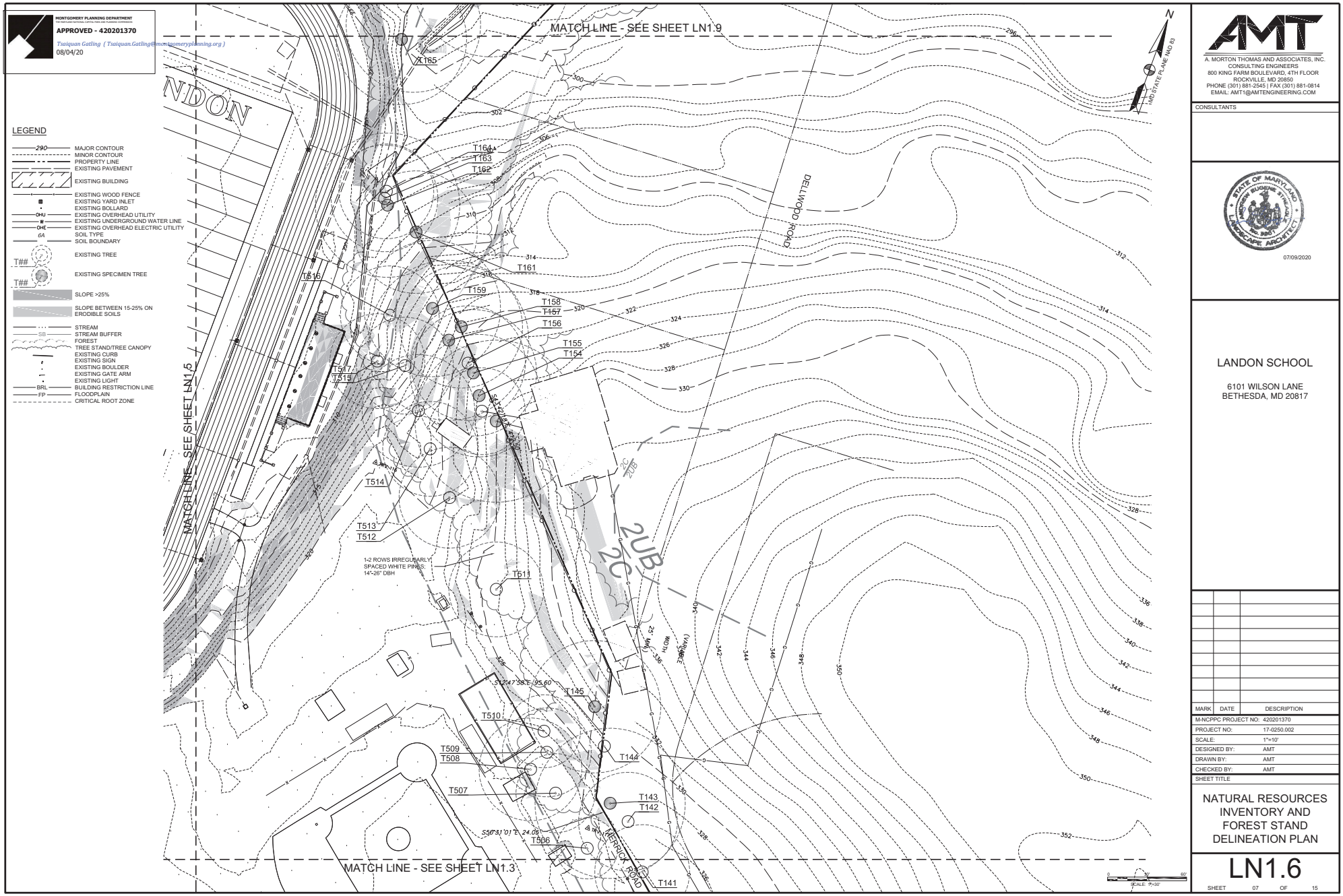
SHEET TITLE

NATURAL RESOURCES INVENTORY AND FOREST STAND DELINEATION PLAN

LN1.5

SHEET 06 OF 15



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SHEET TITLE

NATURAL RESOURCES INVENTORY AND FOREST STAND DELINEATION PLAN

LN1.6

SHEET 07 OF 15

MONTGOMERY PLANNING DEPARTMENT
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
APPROVED - 420201370
Tsaiquan Gatling (Tsaiquan.Gatling@montgomeryplanning.org)
08/04/20

LEGEND

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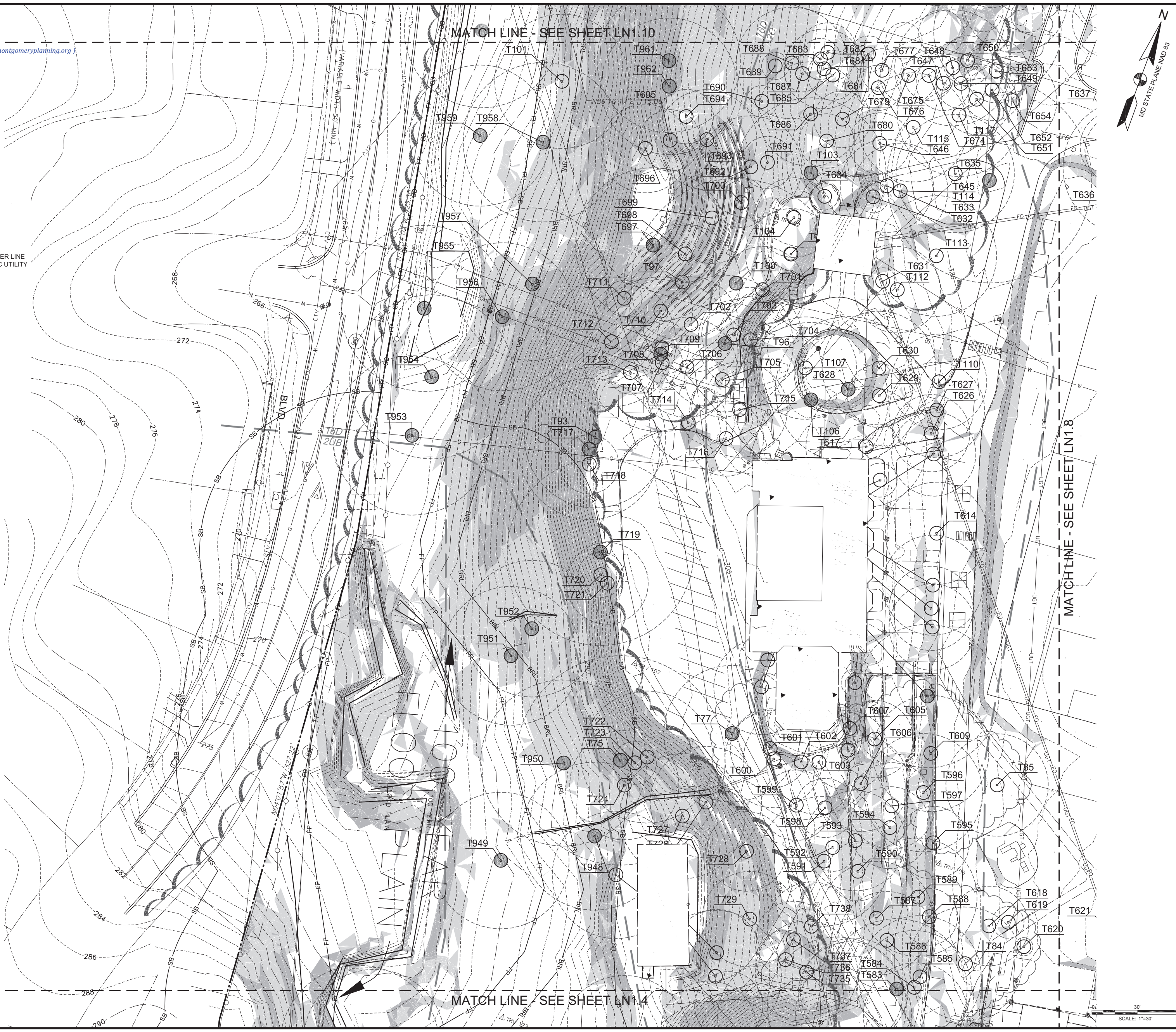

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LANDSCAPE ARCHITECT
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LANDON SCHOOL

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SHEET TITLE

NATURAL RESOURCES INVENTORY AND FOREST STAND DELINEATION PLAN

LN1.7

SHEET 08 OF 15

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SHEET TITLE

NATURAL RESOURCES INVENTORY AND FOREST STAND DELINEATION PLAN

LN1.8

SHEET 09 OF 15

MONTGOMERY PLANNING DEPARTMENT
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
APPROVED - 420201370
Tsaiquan Gatling (Tsaiquan.Gatling@montgomeryplanning.org)
08/04/20

LEGEND

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	MINOR CONTOUR
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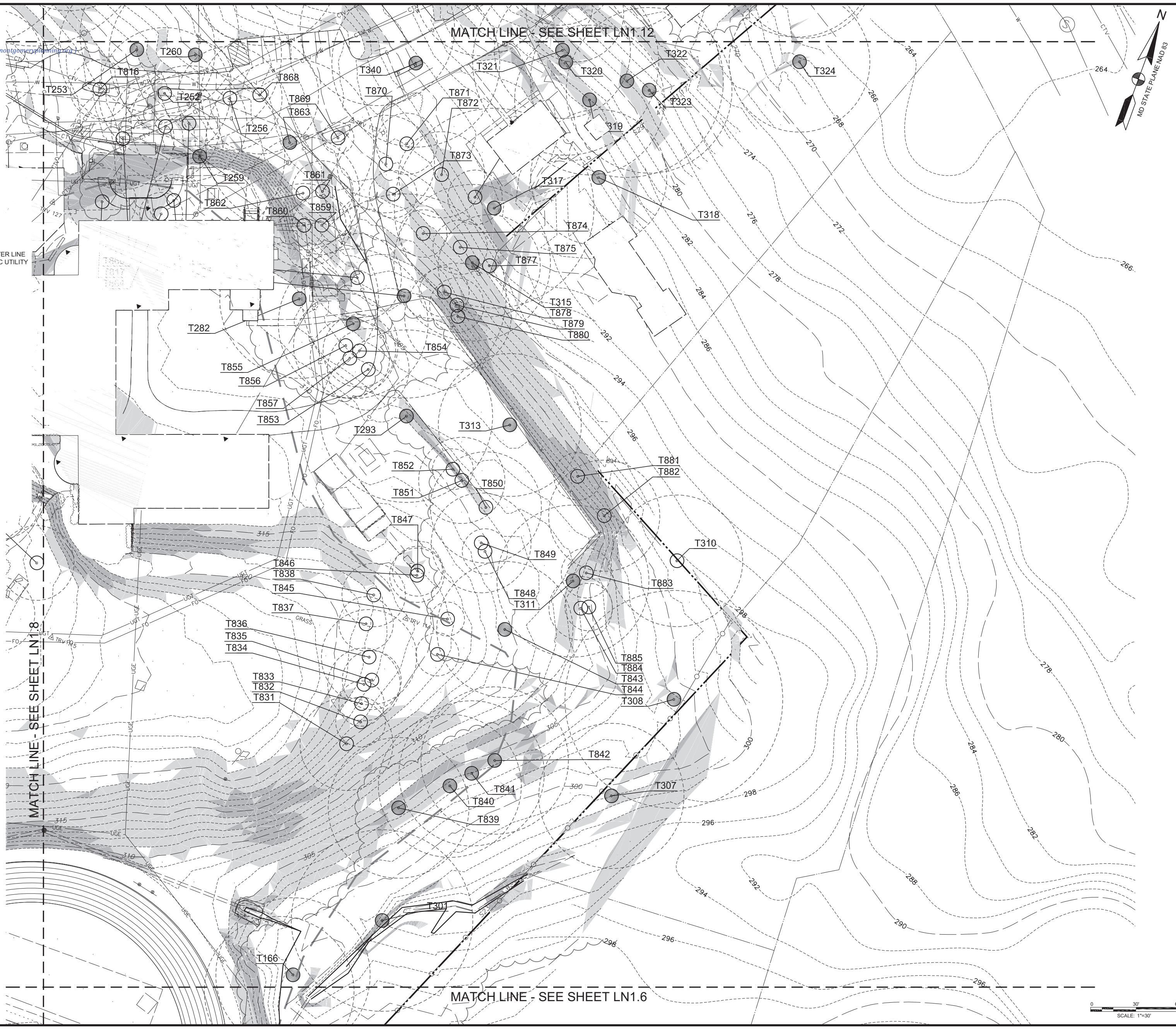

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NATURAL RESOURCES INVENTORY AND FOREST STAND DELINEATION PLAN

LN1.9

SHEET 10 OF 15

MONTGOMERY PLANNING DEPARTMENT
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APPROVED - 420201370
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08/04/20

LEGEND

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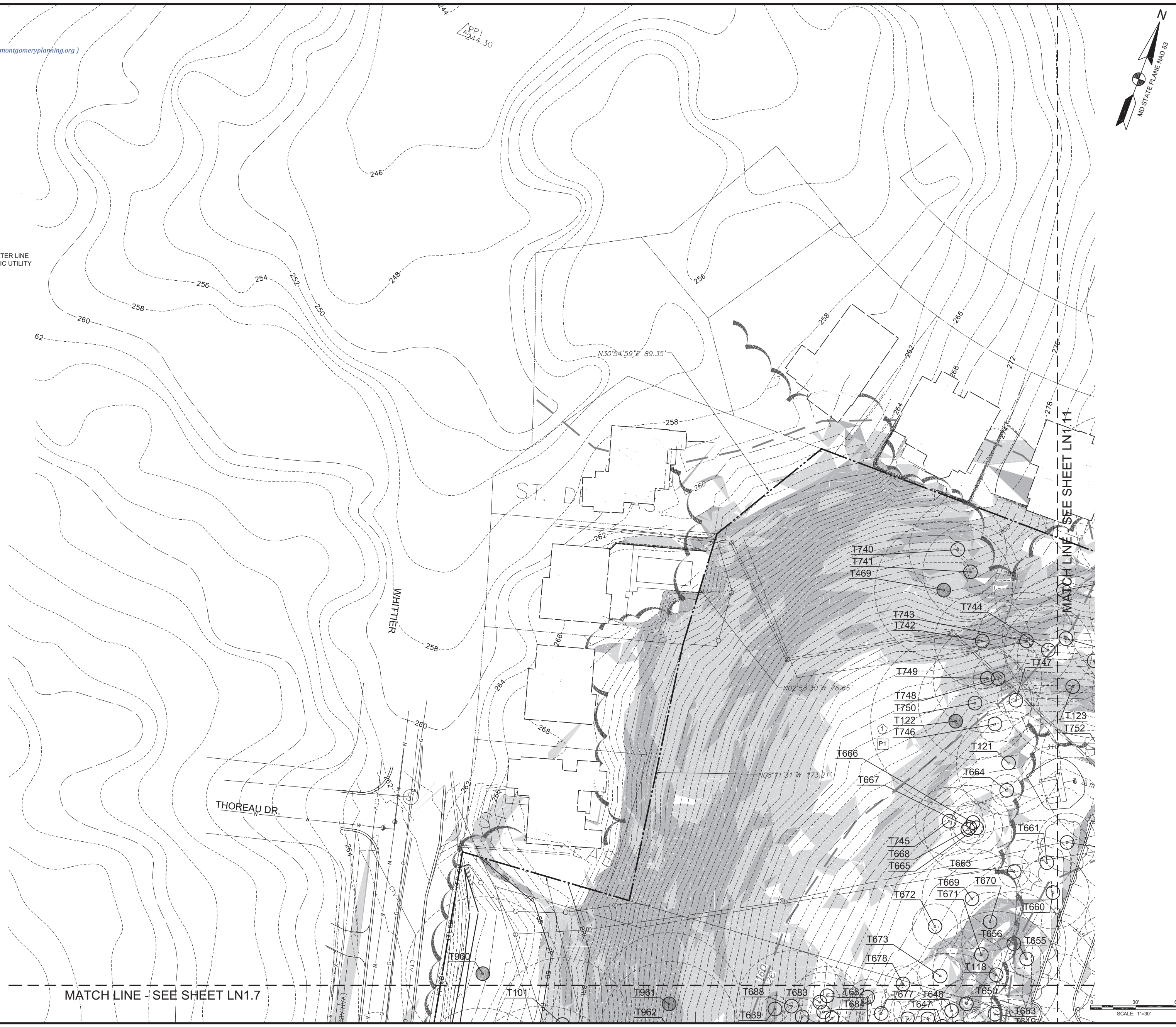

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NATURAL RESOURCES INVENTORY AND FOREST STAND DELINEATION PLAN

LN1.10

SHEET 11 OF 15

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MARK	DATE	DESCRIPTION

M-NCPPC PROJECT NO:	420201370
PROJECT NO:	17-0250.002
SCALE:	1"=10'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT
SHEET TITLE	

NATURAL RESOURCES INVENTORY AND FOREST STAND DELINEATION PLAN

LN1.11

SHEET 12 OF 15

MONTGOMERY PLANNING DEPARTMENT
THE MARYLAND NATIONAL CAPITAL PARK AND PLANNING COMMISSION
APPROVED - 420201370
Tsaiquan Gatling (Tsaiquan.Gatling@montgomeryplanning.org)
08/04/20

LEGEND

- 290 MAJOR CONTOUR
- MINOR CONTOUR
- PROPERTY LINE
- EXISTING PAVEMENT
- EXISTING BUILDING
- EXISTING WOOD FENCE
- EXISTING YARD INLET
- EXISTING BOLLARD
- OHU EXISTING OVERHEAD UTILITY
- W EXISTING UNDERGROUND WATER LINE
- OHE EXISTING OVERHEAD ELECTRIC UTILITY
- 6A SOIL TYPE
- SOIL BOUNDARY
- T## EXISTING TREE
- T## EXISTING SPECIMEN TREE
- SLOPE >25%
- SLOPE BETWEEN 15-25% ON ERODIBLE SOILS
- STREAM
- SB STREAM BUFFER
- FOREST
- TREE STAND/TREE CANOPY
- EXISTING CURB
- EXISTING SIGN
- EXISTING BOULDER
- EXISTING GATE ARM
- EXISTING LIGHT
- BRL BUILDING RESTRICTION LINE
- FP FLOODPLAIN
- CRITICAL ROOT ZONE

AMT
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CONSULTANTS

STATE OF MARYLAND · LANDSCAPE ARCHITECT
07/09/2020

LANDON SCHOOL

6101 WILSON LANE
BETHESDA, MD 20817

MARK	DATE	DESCRIPTION

M-NCPPC PROJECT NO:	420201370
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SHEET TITLE

NATURAL RESOURCES INVENTORY AND FOREST STAND DELINEATION PLAN

LN1.12

SHEET 13 OF 15

MONTGOMERY PLANNING DEPARTMENT
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
APPROVED - 420201370
Tsaiquan Gatling (Tsaiquan.Gatling@montgomeryplanning.org)
08/04/20

SPECIMEN TREE TABLE

NO.	COMMON NAME	SCIENTIFIC NAME	D.B.H (INCHES)	CRZ RADIUS (FEET)	CONDITION RATING	CONDITION COMMENTS
T1	Silver maple	Acer saccharinum	23	34.50	AVG.	Limited soil volume, pruned/removed leaders
T2	Silver maple	Acer saccharinum	18	27.00	POOR	Limited soil volume, pruned/removed leaders, fruiting bodies
T3	Silver maple	Acer saccharinum	22	33.00	AVG.	Limited soil volume, pruned/removed leaders
T4	Silver maple	Acer saccharinum	22	33.00	AVG.	Limited soil volume, pruned/removed leaders
T5	Silver maple	Acer saccharinum	23.5	35.25	AVG.	Limited soil volume, pruned/removed leaders
T6	**Silver maple**	**Acer saccharinum**	**30**	**45.00**	**AVG.**	**Limited soil volume, pruned/removed leaders**
T7	**Silver maple**	**Acer saccharinum**	**35**	**52.50**	**AVG/POOR**	**Limited soil volume, pruned/removed leaders**
T8	**Silver maple**	**Acer saccharinum**	**37**	**55.50**	**AVG.**	**Limited soil volume, pruned/removed leaders**
T9	**Silver maple**	**Acer saccharinum**	**32.5**	**48.75**	**AVG.**	**Limited soil volume, pruned/removed leaders**
T10	**Silver maple**	**Acer saccharinum**	**38.5**	**57.75**	**AVG/POOR**	**Limited soil volume, pruned/removed leaders**
T11	**Silver maple**	**Acer saccharinum**	**30.5**	**45.75**	**AVG.**	**Limited soil volume, pruned/removed leaders**
T12	Silver maple	Acer saccharinum	24	36.00	AVG.	Limited soil volume, pruned/removed leaders, English ivy on trunk
T13	Silver maple	Acer saccharinum	28.5	42.75	POOR	Limited soil volume, pruned/removed leaders
T14 has been removed since previously completed tree survey.						
T15	Silver maple	Acer saccharinum	24.5	36.75	AVG/POOR	Limited soil volume, pruned/removed leaders
T16	Silver maple	Acer saccharinum	25	37.50	AVG.	Limited soil volume, pruned/removed leaders
T17	Silver maple	Acer saccharinum	22	33.00	AVG.	Limited soil volume, pruned/removed leaders
T18	Silver maple	Acer saccharinum	27	40.50	AVG/POOR	Limited soil volume, pruned/removed leaders
T19	Silver maple	Acer saccharinum	29.5	44.25	AVG/POOR	Limited soil volume, pruned/removed leaders
T20 has been removed since previously completed tree survey.						
T21	**Red maple**	**Acer rubrum**	**36**	**54.00**	**AVG.**	**Limited soil volume on one side, mower damage to surface roots**
T22	**Red maple**	**Acer rubrum**	**41**	**61.50**	**AVG.**	**Limited soil volume on one side, mower damage to surface roots, large wound**
T23 & T24 have been removed since previously completed tree survey.						
T25	Black walnut	Juglans nigra	23	34.50	AVG.	Broken limbs
T26 has been removed since previously completed tree survey.						
T27	**Silver maple**	**Acer saccharinum**	**60.5**	**90.75**	**GOOD/AVG.**	**Removed limbs, electrical boxes on side**
T28	**American elm**	**Ulmus americana**	**56.5**	**84.75**	**GOOD/AVG.**	**Probably U. japonica or x hollandica**
T29	Black walnut	Juglans nigra	21	31.50	GOOD	
T30-T52 have been removed since previously completed tree survey.						
T53	**White oak**	**Quercus alba**	**31**	**46.50**	**GOOD/AVG.**	
T54	**White oak**	**Quercus alba**	**39.5**	**59.25**	**GOOD/AVG.**	**English ivy on trunk, growing against roof gutter**
T55	**White oak**	**Quercus alba**	**57**	**85.50**	**GOOD/AVG.**	**English ivy on trunk**
T56 & T57 have been removed since previously completed tree survey.						
T58	Norway maple	Acer platanoides	29	43.50	AVG.	Removed branches, on slope
T59-T62 have been removed since previously completed tree survey.						
T63	White oak	Quercus alba	29	43.50	AVG.	Leaning, broken limbs, small canopy
T64 has been removed since previously completed tree survey.						
T65	**White oak**	**Quercus alba**	**30.5**	**45.75**	**GOOD/AVG.**	**Poison ivy on trunk**
T66	American beech	Fagus grandifolia	29	43.50	GOOD	
T67-T69 have been removed since previously completed tree survey.						
T70	White oak	Quercus alba	28	42.00	AVG.	Poison ivy and English ivy on trunk
T71 & T73 have been removed since previously completed tree survey.						
T72 & T74 were unable to be located on the previously completed tree survey.						
T75	**Northern red oak**	**Quercus rubra**	**46**	**69.00**	**GOOD/AVG.**	
T76 was unable to be located on the previously completed tree survey.						
T77	**White oak**	**Quercus alba**	**30**	**45.00**	**GOOD/AVG.**	**Limited soil volume, small canopy**
T78	White oak	Quercus alba	21	31.50	GOOD/AVG.	Mislabeled on previous NRI as red oak, English ivy on trunk
T79 has been removed since previously completed tree survey.						
T80	White oak	Quercus alba	23	34.50	GOOD	
T81	White oak	Quercus alba	25.5	38.25	GOOD/AVG.	Poison ivy, English ivy on trunk
T82 & T83 have been removed since previously completed tree survey.						
T84	Sycamore	Platanus occidentalis	25	37.50	GOOD/AVG.	
T85	Southern magnolia	Magnolia grandiflora	22.5	33.75	AVG.	Removed branches
T86 has been removed since previously completed tree survey.						
T87	**Littleleaf linden**	**Tilia cordata**	**31**	**46.50**	**AVG.**	**Epicormic growth**
T88	Littleleaf linden	Tilia cordata	29	43.50	AVG.	Epicormic growth
T89	Pignut hickory	Carya glabra	27.5	41.25	AVG.	Adjacent to road, concrete pad, tennis courts
T90-T92 were unable to be located on the previously completed tree survey.						
T93	**Scarlet oak**	Quercus coccinea	31	46.50	**GOOD/AVG.**	**Leaning, on steep slope, adjacent to asphalt on one side**
T94 & T95 were unable to be located on the previously completed tree survey.						
T96	**Northern red oak**	**Quercus rubra**	**30**	**45.00**	**GOOD/AVG.**	**English ivy on trunk**
T97	Northern red oak	Quercus rubra	25.5	38.25	GOOD/AVG.	In amphitheater
T98 & T99 were unable to be located on the previously completed tree survey.						
T100	**White oak**	**Quercus alba**	**46**	**69.00**	**GOOD/AVG.**	**Memorial plaque on trunk, removed limbs**
T101	White oak	Quercus alba	29.5	44.25	GOOD/AVG.	
T102 has been removed since previously completed tree survey.						
T103	**Northern red oak**	**Quercus rubra**	**33**	**49.50**	**GOOD/AVG.**	**Adjacent to stairs, minor dieback**
T104	Willow oak	Quercus phellos	17.5	26.25	GOOD/AVG.	Limited soil volume
T105	Willow oak	Quercus phellos	20	30.00	GOOD/AVG.	Limited soil volume
T106	**White oak**	**Quercus alba**	**34**	**51.00**	**GOOD/AVG.**	**Mislabeled on previous NRI as red oak, codominant leaders (26.5, 20.5), adjacent to asphalt drop off**
T107	White oak	Quercus alba	22.5	33.75	GOOD/AVG.	Adjacent to asphalt drop off
T108 & T109 have been removed since previously completed tree survey.						
T110	White oak	Quercus alba	21	31.50	GOOD/AVG.	Adjacent to asphalt paving, leaning over roadway
T111 has been removed since previously completed tree survey.						
T112	Pignut hickory	Carya glabra	19	28.50	GOOD/AVG.	Girdled roots, small canopy
T113	White oak	Quercus alba	26.5	39.75	GOOD/AVG.	Vines on trunk, mower damage to surface roots
T114	**White oak**	**Quercus alba**	**45**	**67.50**	**GOOD/AVG.**	**Codominant leaders (25, 21, 31), mower damage to surface roots, English ivy on trunk**
T115	White oak	Quercus alba	24	36.00	GOOD/AVG.	Mower damage to surface roots
T116 has been removed since previously completed tree survey.						
T117	White oak	Quercus alba	27	40.50	GOOD/AVG.	Mower damage to surface roots
T118	Tulip poplar	Liriodendron tulipifera	28	42.00	GOOD/AVG.	English ivy on trunk, concrete pad on front, rock pile behind it
T119	**Tulip poplar**	**Liriodendron tulipifera**	**30**	**45.00**	**AVG.**	**Poor form, removed leaders**
T120 has been removed since previously completed tree survey.						
T121	White oak	Quercus alba	23	34.50	GOOD/AVG.	Epicormic growth
T122	**White oak**	**Quercus alba**	**37.5**	**56.25**	**GOOD**	
T123	**White oak**	**Quercus alba**	**31.5**	**47.25**	**GOOD**	
T124-T126 have been removed since previously completed tree survey.						
T127	**Tulip poplar**	**Liriodendron tulipifera**	**36**	**54.00**	**AVG.**	**Wound on trunk, large branches removed**
T128	American holly	Ilex opaca	26	39.00	AVG.	Limbed up, water sprouts, ivy on trunk
T129	**White ash**	**Fraxinus americana**	**43.5**	**65.25**	**POOR**	**Leader removed**
T130 has been removed since previously completed tree survey.						
T131	**Tulip poplar**	**Liriodendron tulipifera**	**68**	**102.00**	**GOOD/AVG.**	**Did not flag**
T132 has been removed since previously completed tree survey.						
T133	Black walnut	Juglans nigra	29	43.50	AVG/POOR	English ivy on trunk and crown, few small branches
T134-T135 have been removed since previously completed tree survey.						
T136	Black walnut	Juglans nigra	26	39.00	AVG.	Limited soil volume
T137	**Black walnut**	**Juglans nigra**	**31**	**46.50**	**AVG.**	**Limited soil volume, wound at base of trunk**
T138	**Northern red oak**	**Quercus rubra**	**31**	**46.50**	**AVG.**	**Did not flag, some dieback**
T139-T140 have been removed since previously completed tree survey.						
T141	Black walnut	Juglans nigra	24	36.00	AVG.	Vines on trunk, limited soil volume, did not flag
T142	Sycamore	Platanus occidentalis	25	37.50	AVG.	Vines on trunk, limited soil volume, did not flag
T143	**White oak**	**Quercus alba**	**38**	**57.00**	**AVG.**	**Vines on trunk, limited soil volume, did not flag**
T144						Standing dead
T145	**Northern red oak**	**Quercus rubra**	**33.5**	**50.25**	**GOOD/AVG.**	**Leaning, English ivy, did not flag**
T146-T151 have been removed since previously completed tree survey.						
T152	**Northern red oak**	**Quercus rubra**	**41**	**61.50**	**GOOD/AVG.**	**English ivy on trunk**
T153	Northern red oak	Quercus rubra	22	33.00	GOOD/AVG.	Leaning
T154	**Tulip poplar**	**Liriodendron tulipifera**	**31**	**46.50**	**GOOD/AVG.**	**English ivy on trunk, white oak growing extremely adjacent**
T155	**Tulip poplar**	**Liriodendron tulipifera**	**32**	**48.00**	**GOOD/AVG.**	**English ivy on trunk**
T156	Tulip poplar	Liriodendron tulipifera	29	43.50	GOOD/AVG.	English ivy on trunk
T157	**Northern red oak**	**Quercus rubra**	**40.5**	**60.75**	**GOOD/AVG.**	
T158	**Tulip poplar**	**Liriodendron tulipifera**	**31**	**46.50**	**AVG.**	**English ivy on trunk, small canopy**
T159	**Northern red oak**	**Quercus rubra**	**34.5**	**51.75**	**GOOD/AVG.**	**English ivy on trunk**
T160 has been removed since previously completed tree survey.						
T161	**Northern red oak**	**Quercus rubra**	**31**	**46.50**	**GOOD/AVG.**	**English ivy on trunk, leaning**
T162	**Tulip poplar**	**Liriodendron tulipifera**	**36.5**	**54.75**	**AVG.**	**Broken limbs, English ivy on trunk**
T163	Tulip poplar	Liriodendron tulipifera	27	40.50	AVG.	Broken limbs, English ivy on trunk
T164	Tulip poplar	Liriodendron tulipifera	24	36.00	AVG.	Broken limbs, English ivy on trunk
T165	**Tulip poplar**	**Liriodendron tulipifera**	**33**	**49.50**	**AVG.**	**English ivy on trunk**
T166	**Black walnut**	**Juglans nigra**	**34**	**51.00**	**GOOD/AVG.**	**English ivy on trunk**
T167-T183 were unable to be located on the previously completed tree survey.						
T184	**Atlantic white cedar**	**Chamaecyparis thyoides**	**30**	**45.00**	**AVG.**	**Broken branches, removed limbs**
T185	Atlantic white cedar	Chamaecyparis thyoides	27.5	41.25	AVG.	Broken branches, removed limbs
T186	Atlantic white cedar	Chamaecyparis thyoides	29.5	44.25	AVG.	Broken branches, removed limbs
T187-T194 were unable to be located on the previously completed tree survey.						
T195	**Willow oak**	**Quercus phellos**	**42.5**	**63.75**	**AVG.**	**Adjacent to asphalt drop off, wounds at base, removed leader**
T196	Eastern red cedar	Juniperus virginiana	27	40.50	AVG.	Adjacent to asphalt drop off
T197, T198, T200, T202, & T203 were unable to be located on the previously completed tree survey.						
T199, T201, T204, & T205 have been removed since previously completed tree survey.						
T206	Northern red oak	Quercus rubra	26	39.00	AVG.	Limited soil volume
T207	**Northern red oak**	**Quercus rubra**	**36.5**	**54.75**	**AVG.**	**Limited soil volume**
T208, T210, T211, & T213-T215 were unable to be located on the previously completed tree survey.						
T209 & T212 have been removed since previously completed tree survey.						
T216	White oak	Quercus alba	23.5	35.25	AVG.	Wound at base, small canopy, limited soil volume
T217	Tulip poplar	Liriodendron tulipifera	26	39.00	AVG.	Wound at base, small canopy, limited soil volume
T218 has been removed since previously completed tree survey.						
T219	White oak	Quercus alba	28	42.00	AVG.	Wound at base, small canopy, limited soil volume
T220 & T221 were unable to be located on the previously completed tree survey.						
T222	White oak	Quercus alba	20	30.00	GOOD/AVG.	Parking lot in CRZ
T223 has been removed since previously completed tree survey.						
T224 was unable to be located on the previously completed tree survey.						
T225	Northern red oak	Quercus rubra	27.5	41.25	GOOD/AVG.	
T226, T228, T229, & T232 have been removed since previously completed tree survey.						
T227, T230, T231, & T233-T235 were unable to be located on the previously completed tree survey.						
T236	**White oak**	**Quercus alba**	**32**	**48.00**	**GOOD/AVG.**	
T237 was unable to be located on the previously completed tree survey.						
T238	**Tulip poplar**	**Liriodendron tulipifera**	**39**	**58.50**	**AVG.**	**English ivy on trunk, removed leaders**
T239 & T241 were unable to be located on the previously completed tree survey.						
T240 has been removed since previously completed tree survey.						
T242	American beech	Fagus grandifolia	21	31.50	AVG.	Roadway in CRZ, some dieback
T243-T249 were unable to be located on the previously completed tree survey.						
T250-T251 have been removed since previously completed tree survey.						
T252	Tulip poplar	Liriodendron tulipifera	29	43.50	AVG.	Limited soil volume, small canopy
T253	**Tulip poplar**	**Liriodendron tulipifera**	**34.5**	**51.75**	**AVG.**	**English ivy on trunk, pipe sticking out o upper trunk**
T254	**Tulip poplar**	**Liriodendron tulipifera**	**35**	**52.50**	**AVG.**	**English ivy on trunk**
T255 was unable to be located on the previously completed tree survey.						
T255		#N/A		0.00		Not on plan
T256	Tulip poplar	Liriodendron tulipifera	23	34.50	AVG.	Limited soil volume, small canopy
T257 & T258 were unable to be located on the previously completed tree survey.						
T257		#N/A		0.00		Not on plan
T258		#N/A		0.00		Not on plan
T259	**Tulip poplar**	**Liriodendron tulipifera**	**37.5**	**56.25**	**GOOD/AVG.**	**English ivy on trunk**
T260	**Tulip poplar**	**Liriodendron tulipifera**	**38**	**57.00**	**AVG.**	**English ivy on trunk, small canopy**
T261 & T273 have been removed since previously completed tree survey.						
T262-T272 & T274-T277 were unable to be located on the previously completed tree survey.						
T278	Mockernut hickory	Carya tomentosa	22.5	33.75	GOOD/AVG.	Limited soil volume
T279 & T281 were unable to be located on the previously completed tree survey.						
T280 has been removed since previously completed tree survey.						
T282	**White oak**	**Quercus alba**	**35**	**52.50**	**AVG.**	**Leaning, pruned large branches, timber wall in CRZ**
T283-T291 were unable to be located on the previously completed tree survey.						
T292 has been removed since previously completed tree survey.						
T293	**Tulip poplar**	**Liriodendron tulipifera**	**38**	**57.00**	**GOOD/AVG.**	**Gravel parking lot in CRZ, lighting attached to tree, English ivy on trunk**
T294 has been removed since previously completed tree survey.						
T295	**Tulip poplar**	**Liriodendron tulipifera**	**45**	**67.50**	**GOOD/AVG.**	**Codominant leaders (33.5, 30); road and parking in CRZ, English ivy on trunk**
T296-T298 were unable to be located on the previously completed tree survey.						
T299-T300 have been removed since previously completed tree survey.						
T301	**Tulip poplar**	**Liriodendron tulipifera**	**40**	**60.00**	**GOOD/AVG.**	**On bank**
T302-T306 have been removed since previously completed tree survey.						
T307	**Tulip poplar**	**Liriodendron tulipifera**	**32**	**48.00**	**GOOD/AVG.**	**Leaning, off property**
T308	**Tulip poplar**	**Liriodendron tulipifera**	**48**	**72.00**	**GOOD/AVG.**	**Vines on trunk**
T309 has been removed since previously completed tree survey.						
T310	Northern red oak	Quercus rubra	29	43.50	AVG/POOR	Off property, vines on trunk, in decline
T311	**Tulip poplar**	**Liriodendron tulipifera**	**33.5**	**50.25**	**AVG.**	**Parking in CRZ**
T312 has been removed since previously completed tree survey.						
T313	**Northern red oak**	**Quercus rubra**	**31.5**	**47.25**	**AVG.**	**Parking in CRZ, lighting equipment attached**
T314 has been removed since previously completed tree survey.						
T315	**Tulip poplar**	**Liriodendron tulipifera**	**34.5**	**51.75**	**GOOD**	**English ivy on trunk**
T316 has been removed since previously completed tree survey.						
T317	**Tulip poplar**	**Liriodendron tulipifera**	**44**	**66.00**	**GOOD**	**English ivy on trunk**
T318	**White oak**	**Quercus alba**	**30**	**45.00**	**AVG.**	**Off property, vines on trunk, not flagged**
T319	**Tulip poplar**	**Liriodendron tulipifera**	**33**	**49.50**	**GOOD/AVG.**	**Vines on trunk**
T320	**Tulip poplar**	**Liriodendron tulipifera**	**41**	**61.50**	**GOOD/AVG.**	**Vines on trunk**
T321	**American beech**	**Fagus grandifolia**	**30**	**45.00**	**GOOD/AVG.**	**Vines on trunk**
T322	**Tulip poplar**	**Liriodendron tulipifera**	**42.5**	**63.75**	**GOOD/AVG.**	**Vines on trunk**
T323	**Tulip poplar**	**Liriodendron tulipifera**	**36.5**	**54.75**	**GOOD/AVG.**	**Vines on trunk**
T324	**American beech**	**Fagus grandifolia**	**31**	**46.50**	**GOOD/AVG.**	**Off property, not flagged**
T325	**American beech**	**Fagus grandifolia**	**31**	**46.50**	**GOOD/AVG.**	**Off property, not flagged**
T326	Tulip poplar	Liriodendron tulipifera	28	42.00	GOOD/AVG.	Off property, not flagged
T327	**White oak**	**Quercus alba**	**30**	**45.00**	**GOOD/AVG.**	**Off property, vines on trunk, not flagged**
T328	**White oak**	**Quercus alba**	**34.5**	**51.75**	**GOOD/AVG.**	**Vines on trunk**
T329 has been removed since previously completed tree survey.						
T330	Tulip poplar	Liriodendron tulipifera	27	40.50	GOOD/AVG.	Vines on trunk
T331	Tulip poplar	Liriodendron tulipifera	28	42.00	GOOD/AVG.	Electrical box on trunk, vines on trunk
T332 has been removed since previously completed tree survey.						
T333	White oak	Quercus alba	27.5	41.25	AVG.	Limited soil volume
T334 has been removed since previously completed tree survey.						
T335	White oak	Quercus alba	26.5	39.75	AVG.	Limited soil volume
T336	**White oak**	**Quercus alba**	**34.5**	**51.75**	**AVG.**	**Limited soil volume**
T337 has been removed since previously completed tree survey.						
T338	White oak	Quercus alba	25.5	38.25	AVG.	Limited soil volume
T339 has been removed since previously completed tree survey.						
T340	**Tulip poplar**	**Liriodendron tulipifera**	**37**	**55.50**	**AVG.**	**English ivy on trunk**
T341 has been removed since previously completed tree survey.						
T342	**Tulip poplar**	**Liriodendron tulipifera**	**42**	**63.00**	**AVG.**	**English ivy on trunk**
T343 & T344 have been removed since previously completed tree survey.						
T345	**Tulip poplar**	**Liriodendron tulipifera**	**33**	**49.50**	**AVG.**	**Vines on trunk**
T346 has been removed since previously completed tree survey.						
T346		#N/A		0.00		Removed
T347	**White oak**	**Quercus alba**	**32**	**48.00**	**GOOD/AVG.**	**Driveway in CRZ**
T348	American beech	Fagus grandifolia	20.5	30.75	GOOD/AVG.	Driveway in CRZ
T349	**White oak**	**Quercus alba**	**36**	**54.00**	**GOOD/AVG.**	**Vines on trunk**
T350 has been removed since previously completed tree survey.						
T351	American beech	Fagus grandifolia	27	40.50	GOOD/AVG.	Vines on trunk
T352 has been removed since previously completed tree survey.						
T353	Tulip poplar	Liriodendron tulipifera	27	40.50	AVG.	Vines on trunk
T354	American beech	Fagus grandifolia	24.5	36.75	GOOD/AVG.	Vines on trunk
T355 has been removed since previously completed tree survey.						
T356	**White oak**	**Quercus alba**	**39**	**58.50**	**AVG.**	**Poor form, vines on trunk**
T357	American beech	Fagus grandifolia	26	39.00	AVG.	Vines on trunk
T358 has been removed since previously completed tree survey.						
T359	**Tulip poplar**	**Liriodendron tulipifera**	**32.5**	**48.75**	**AVG.**	**Vines on trunk**
T360	Tulip poplar	Liriodendron tulipifera	28.5	42.75	AVG.	Vines on trunk
T361	**Tulip poplar**	**Liriodendron tulipifera**	**30.5**	**45.75**	**AVG.**	**Vines on trunk**
T362 has been removed since previously completed tree survey.						
T363	**Tulip poplar**	**Liriodendron tulipifera**	**34.5**	**51.75**	**AVG.**	**Vines on trunk**
T364	Northern red oak	Quercus rubra	27.5	41.25	AVG.	Vines on trunk, leanig
T365-T368 have been removed since previously completed tree survey.						
T369	Pignut hickory	Carya glabra	27	40.50	AVG/POOR	Broken leader
T370	**Tulip poplar**	**Liriodendron tulipifera**	**31**	**46.50**	**GOOD/AVG.**	
T371	Tulip poplar	Liriodendron tulipifera	27	40.50	GOOD/AVG.	
T372	**Northern red oak**	**Quercus rubra**	**33**	**49.50**	**GOOD/AVG.**	
T373	**American beech**	**Fagus grandifolia**	**31**	**46.50**	**GOOD**	**Plaque on trunk**
T374	Pignut hickory	Carya glabra	25	37.50	GOOD	
T375 has been removed since previously completed tree survey.						
T376	**White oak**	**Quercus alba**	**40.5**	**60.75**	**GOOD/AVG.**	**Vines on trunk**
T377	**Tulip poplar**	**Liriodendron tulipifera**	**40**	**60.00**	**GOOD**	**Parking in CRZ**
T378	**Tulip poplar**	**Liriodendron tulipifera**	**33.5**	**50.25**	**GOOD**	**Parking in CRZ**
T379 has been removed since previously completed tree survey.						
T380	American beech	Fagus grandifolia	27.5	41.25	GOOD	Retaining wall in CRZ
T381	Pignut hickory	Carya glabra	28.5	42.75	GOOD	
T382	**Pignut hickory**	**Carya glabra**	**31**	**46.50**	**GOOD/AVG.**	**Vines on trunk, on embankment**
T383 has been removed since previously completed tree survey.						
T384	**Tulip poplar**	**Liriodendron tulipifera**	**43**	**64.50**	**GOOD/AVG.**	**Vines on trunk, stone wall in CRZ**
T385 & T386 have been removed since previously completed tree survey.						
T387	**Tulip poplar**	**Liriodendron tulipifera**	**38**	**57.00**	**AVG.**	**Roadway in CRZ, vines on trunk**
T388	Tulip poplar	Liriodendron tulipifera	28	42.00	GOOD/AVG.	Vines on trunk
T389 has been removed since previously completed tree survey.						
T390	Japanese pagodatree	Sophora japonica	17	25.50	GOOD	Plaque at base
T391	White oak	Quercus alba	25	37.50	AVG/POOR	Vines on trunk, lost limbs
T392	**American beech**	**Fagus grandifolia**	**33**	**49.50**	**GOOD/AVG.**	**Leaning, vines on trunk**
T393 has been removed since previously completed tree survey.						
T394	**Tulip poplar**	**Liriodendron tulipifera**	**51**	**76.50**	**GOOD**	**Vines on trunk**
T395	**American beech**	**Fagus grandifolia**	**31**	**46.50**	**GOOD/AVG.**	**Vines on trunk, light attached**
T396	American beech	Fagus grandifolia	27.5	41.25	GOOD	Vines on trunk
T397	American beech	Fagus grandifolia	27.5	41.25	GOOD	Vines on trunk, light attached
T398-T400 have been removed since previously completed tree survey.						
T408	**Tulip poplar**	**Liriodendron tulipifera**	**42.5**	**63.75**	**GOOD/AVG.**	**Vines on trunk**
T402 & T403 have been removed since previously completed tree survey.						
T404	**Tulip poplar**	**Liriodendron tulipifera**	**39.5**	**59.25**	**AVG.**	**Vines on trunk**
T405 has been removed since previously completed tree survey.						
T406	**White oak**	**Quercus alba**	**30**	**45.00**	**GOOD**	**Not flagged, off property**
T407 has been removed since previously completed tree survey.						
T401	**Tulip poplar**	**Liriodendron tulipifera**	**56**	**84.00**	**GOOD**	**Vines on trunk**
T409	**Tulip poplar**	**Liriodendron tulipifera**	**42.5**	**63.75**	**GOOD/AVG.**	**Vines on trunk**
T410-T413 have been removed since previously completed tree survey.						
T414	**Tulip poplar**	**Liriodendron tulipifera**	**48.5**	**72.75**	**GOOD**	**Vines on trunk**
T415 has been removed since previously completed tree survey.						
T416	**Tulip poplar**	**Liriodendron tulipifera**	**50.5**	75.75	**GOOD**	**Vines on trunk**
T417 has been removed since previously completed tree survey.						
T418	**Tulip poplar**	**Liriodendron tulipifera**	**53.5**	80.25	**GOOD/AVG.**	**Vines on trunk, callouses on limbs**
T419	**White oak**	**Quercus alba**	**34**	51.00	**GOOD**	
T420	**White oak**	**Quercus alba**	**34.5**	51.75	**GOOD**	
T421 has been removed since previously completed tree survey.						
T422	White oak	Quercus alba	25.5	38.25	GOOD	
T423-T427 have been removed since previously completed tree survey.						
T428	**Northern red oak**	**Quercus rubra**	**40**	60.00	**GOOD/AVG.**	**Vines on trunk**
T429 & T430 have been removed since previously completed tree survey.						
T431	Pignut hickory	Carya glabra	18	27.00	GOOD/AVG.	Callous around trunk about 40' up
T432	**Tulip poplar**	**Liriodendron tulipifera**	**31.5**	47.25	**AVG.**	**Fungus at base, calloused**
T433	Tulip poplar	Liriodendron tulipifera	25.5	38.25	AVG.	Poor form, pruned leader, vines on trunk
T434 has been removed since previously completed tree survey.						
T434		#N/A		0.00		Removed
T435	Northern red oak	Quercus rubra	27	40.50	GOOD/AVG.	Vines on trunk
T436	**Northern red oak**	**Quercus rubra**	**34**	51.00	**GOOD/AVG.**	**Vines on trunk**
T437	White oak	Quercus alba	28	42.00	AVG.	In parking lot
T438	Northern red oak	Quercus rubra	22.5	33.75	AVG.	In parking lot
T439	White oak	Quercus alba	18	27.00	AVG.	In parking lot, epicormic growth
T440	White oak	Quercus alba	25	37.50	AVG.	On edge of parking lot
T441	White oak	Quercus alba	20	30.00	AVG.	Leaning, on edge of parking lot
T442 & T443 have been removed since previously completed tree survey.						
T444	**Tulip poplar**	**Liriodendron tulipifera**	**30**	45.00	**GOOD**	**Vines on trunk**
T445 & T446 have been removed since previously completed tree survey.						
T447	**White oak**	**Quercus alba**	**30**	45.00	**GOOD/AVG.**	**Off property**
T448	White oak	Quercus alba	29	43.50	GOOD/AVG.	Off property, vines on trunk
T449	White pine	Pinus strobus	24	36.00	AVG.	Leaning
T450	White ash	Fraxinus americana	19.5	29.25	AVG.	Dieback, vines on trunk
T451 & T452 have been removed since previously completed tree survey.						
T453	White oak	Quercus alba	18.5	27.75	GOOD/AVG.	Off property
T454	**White ash**	**Fraxinus americana**	**32.5**	48.75	**AVG.**	**Off property, dieback, did not flag**
T355 has been removed since previously completed tree survey.						
T456	White oak	Quercus alba	28.5	42.75	GOOD/AVG.	Off property, did not flag
T457	**White oak**	**Quercus alba**	**31.5**	47.25	**GOOD/AVG.**	**Off property, did not flag**
T458	Tulip poplar	Liriodendron tulipifera	26	39.00	AVG.	Vines on trunk
T459 has been removed since previously completed tree survey.						
T460	Northern red oak	Quercus rubra	28.5	42.75	AVG/POOR	Off property, large wound on trunk, heartrot, did not flag
T461	**Northern red oak**	**Quercus rubra**	**35**	52.50	**GOOD/AVG.**	**Off property, did not flag**
T462	**Tulip poplar**	**Liriodendron tulipifera**	**31**	46.50	**GOOD**	
T463	White oak	Quercus alba	25.5	38.25	GOOD/AVG.	Misidentified as red oak on previous survey
T464	**Tulip poplar**	**Liriodendron tulipifera**	**34**	**51.00**	**GOOD**	
T465	**Northern red oak**	**Quercus rubra**	**30.5**	45.75	**GOOD/AVG.**	**Not flagged**
T466 has been removed since previously completed tree survey.						
T467 was unable to be located on the previously completed tree survey.						
T468	White oak	Quercus alba	28	42.00	GOOD/AVG.	Some broken limbs
T469	**Northern red oak**	**Quercus rubra**	**30.5**	**45.75**	**AVG.**	**Not flagged, leaning**
T470, T471 & T473 have been removed since previously completed tree survey.						
T472 was unable to be located on the previously completed tree survey.						
T474	White oak	Quercus alba	27	40.50	AVG.	In parking lot
T500	Yoshino cherry	Prunus yedoensis	8	12.00	GOOD	
T501	Yoshino cherry	Prunus yedoensis	8	12.00	GOOD	
T502	Yoshino cherry	Prunus yedoensis	8.5	12.75	GOOD	
T503	Atlantic white cedar	Chamaecyparis thyoides	12.5	18.75	GOOD/AVG.	Limbed up, crowded root zone
T504	Atlantic white cedar	Chamaecyparis thyoides	13.5	20.25	GOOD/AVG.	Limbed up, crowded root zone
T505	Atlantic white cedar	Chamaecyparis thyoides	11	16.50	GOOD/AVG.	Limbed up, crowded root zone
T506	White pine	Pinus strobus	15.5	23.25	AVG.	Wound on trunk, limbed up, broken branches
T507	White pine	Pinus strobus	20	30.00	GOOD/AVG.	Limbed up
T508	White pine	Pinus strobus	26	39.00	AVG.	Wound on trunk, limbed up
T509	White pine	Pinus strobus	22.5	33.75	GOOD/AVG.	Limbed up
T510	White pine	Pinus strobus	18.5	27.75	GOOD/AVG.	Limbed up
T511	White pine	Pinus strobus	24	36.00	GOOD/AVG.	Limbed up
T512	White pine	Pinus strobus	25.5	38.25	AVG.	Broken branches, limbed up
T513	White pine	Pinus strobus	24	36.00	GOOD/AVG.	Limbed up, English ivy on trunk
T514	White pine	Pinus strobus	28.5	42.75	GOOD/AVG.	Limbed up, English ivy on trunk
T515	White pine	Pinus strobus	24.5	36.75	GOOD/AVG.	Limbed up, English ivy on trunk
T516	White pine	Pinus strobus	25	37.50	GOOD/AVG.	Limbed up, English ivy on trunk
T517	White pine	Pinus strobus	24	36.00	GOOD/AVG.	Limbed up, English ivy on trunk
T518	Crapemyrtle	Lagerstroemia indica	5	7.50	AVG.	Limited soil volume, codominant leaders (2, 2, 2, 2.5, 1.5)
T519	Crapemyrtle	Lagerstroemia indica	4	6.00	AVG.	Limited soil volume, codominant leaders (2.5, 2, 2.5, 1)
T520	Crapemyrtle	Lagerstroemia indica	4	6.00	AVG.	Limited soil volume, codominant leaders (2.5, 1, 1, 1, 2.5)
T521	Yoshino cherry	Prunus yedoensis	8.5	12.75	GOOD/AVG.	
T522	Red maple	Acer rubrum	11.5	17.25	GOOD/AVG.	Rubber mulch around base, winter eval
T523	Red maple	Acer rubrum	11	16.50	GOOD/AVG.	Rubber mulch around base, winter eval
T524	Red maple	Acer rubrum	10	15.00	GOOD/AVG.	Rubber mulch around base, winter eval
T525	Red maple	Acer rubrum	8.5	12.75	GOOD/AVG.	Rubber mulch around base, winter eval
T526	Red maple	Acer rubrum	9.5	14.25	GOOD/AVG.	Rubber mulch around base, winter eval
T527	Chinese elm	Ulmus parvifolia	10.5	15.75	GOOD/AVG.	On slope
T528	Chinese elm	Ulmus parvifolia	10	15.00	GOOD/AVG.	On slope
T529	Chinese elm	Ulmus parvifolia	10	15.00	GOOD/AVG.	On slope
T530	Chinese elm	Ulmus parvifolia	10	15.00	GOOD/AVG.	On slope
T531	Chinese elm	Ulmus parvifolia	14.5	21.75	GOOD	On slope
T532	Red maple	Acer rubrum	9.5	14.25	GOOD/AVG.	Callous on field side
T533	**Tulip poplar**	**Liriodendron tulipifera**	**32**	**48.00**	**AVG.**	**Inside forested area, vines on trunk, broken limbs**
T534	**Tulip poplar**	**Liriodendron tulipifera**	**31**	**46.50**	**AVG.**	**Inside forested area, vines on trunk**
T535	Sycamore	Platanus occidentalis	16.5	24.75	AVG.	Inside forested area, vines on trunk
T536	Black cherry	Prunus serotina	10.5	15.75	AVG/POOR	Broken branches, poor form, pruned, wound on trunk
T537	Tulip poplar	Liriodendron tulipifera	12	18.00	GOOD/AVG.	
T538	Pignut hickory	Carya glabra	10.5	15.75	GOOD/AVG.	
T539	White pine	Pinus strobus	11.5	17.25	GOOD/AVG.	Limbed up, vines on trunk
T540	White pine	Pinus strobus	17	25.50	GOOD/AVG.	English ivy on trunk
T541	White pine	Pinus strobus	17	25.50	GOOD/AVG.	English ivy on trunk
T542	White pine	Pinus strobus	11	16.50	GOOD/AVG.	English ivy on trunk
T543	Chestnut oak	Quercus prinus	15	22.50	GOOD/AVG.	English ivy at base, crowded root zone
T544	Chestnut oak	Quercus prinus	10.5	15.75	GOOD/AVG.	English ivy at base, crowded root zone, broken limbs
T545	Redbud	Cercis canadensis	11	16.50	AVG.	Leaning, on steep embankment, codominant leaders (9, 7)
T546	White pine	Pinus strobus	27	40.50	AVG.	On steep embankment, vines on trunk
T547	White pine	Pinus strobus	25	37.50	AVG.	On steep embankment, vines on trunk
T548	White pine	Pinus strobus	25	37.50	AVG.	On steep embankment, vines on trunk
T549	Red maple	Acer rubrum	12	18.00	POOR	Pruned branches, paving in CRZ, chainsaw cut on base
T550	White pine	Pinus strobus	13.5	20.25	GOOD/AVG.	English ivy on trunk, limbed up
T551	White pine	Pinus strobus	13	19.50	GOOD/AVG.	English ivy on trunk, limbed up
T552	White pine	Pinus strobus	15	22.50	GOOD/AVG.	English ivy on trunk, limbed up
T553	White pine	Pinus strobus	19	28.50	GOOD/AVG.	English ivy on trunk, limbed up
T554	Black walnut	Juglans nigra	10.5	15.75	GOOD/AVG.	Winter eval, removed leader at base
T555	Crabapple	Malus angustifolia	9	13.50	GOOD	
T556	Crabapple	Malus angustifolia	6.5	9.75	GOOD	
T557	Crabapple	Malus angustifolia	8.5	12.75	GOOD	
T558	River birch	Betula nigra	21	31.50	GOOD/AVG.	Codominant leaders (12, 12.5, 12.5)
T559	Yoshino cherry	Prunus yedoensis	16	24.00	AVG.	Water sprouts at base
T560	Red maple	Acer rubrum	9	13.50	GOOD	
T561	Red maple	Acer rubrum	8	12.00	GOOD	
T562	Red maple	Acer rubrum	9.5	14.25	GOOD	
T563	Red maple	Acer rubrum	8.5	12.75	GOOD	
T564	Black walnut	Juglans nigra	14.5	21.75	AVG/POOR	Wound on trunk, broken branches
T565	White spruce	Picea glauca	14.5	21.75	GOOD	Spruce
T566	Dawn redwood	Metasequoia glyptostroboides	20	30.00	GOOD/AVG.	English ivy on trunk
T567	Dawn redwood	Metasequoia glyptostroboides	25	37.50	GOOD/AVG.	English ivy on trunk
T568	Blue spruce	Picea pungens	20	30.00	AVG.	Some dieback
T569	American holly	Ilex opaca	20	30.00	GOOD/AVG.	English ivy on trunk
T570	Crapemyrtle	Lagerstroemia indica	7	10.50	GOOD	Codominant leaders (3, 1.5, 2, 2, 2.5, 3, 2, 2)
T571	Crapemyrtle	Lagerstroemia indica	7	10.50	GOOD	Codominant leaders (3, 3, 2, 3, 2.5, 3, 1)
T572	Crapemyrtle	Lagerstroemia indica	7	10.50	GOOD	Codominant leaders (1, 1.5, 1, 2, 3, 3, 3, 1)
T573	Crapemyrtle	Lagerstroemia indica	7	10.50	GOOD	Codominant leaders (1, 3, 3, 3.5, 3.5)
T574	White ash	Fraxinus americana	15.5	23.25	AVG/POOR	Winter eval, broken branches
T575	American holly	Ilex opaca	15	22.50	GOOD/AVG.	English ivy on trunk, codominant leaders (10.5, 11)
T576	American holly	Ilex opaca	13	19.50	GOOD/AVG.	Codominant leaders (6, 8, 8)
T577	American holly	Ilex opaca	16	24.00	GOOD/AVG.	Codominant leaders (10, 12)
T578	American holly	Ilex opaca	14	21.00	GOOD	Codominant leaders (10, 8, 6)
T579	American holly	Ilex opaca	12	18.00	GOOD	
T580	American holly	Ilex opaca	14	21.00	GOOD	
T581	American holly	Ilex opaca	10	15.00	GOOD	
T582	White oak	Quercus alba	23	34.50	GOOD/AVG.	Limited soil volume
T583	**White oak**	**Quercus alba**	**31**	**46.50**	**GOOD/AVG.**	**Limited soil volume**
T584	Tulip poplar	Liriodendron tulipifera	25	37.50	GOOD/AVG.	Limited soil volume
T585	White oak	Quercus alba	27	40.50	GOOD/AVG.	Limited soil volume
T586	Northern red oak	Quercus rubra	21.5	32.25	GOOD/AVG.	Roadway in CRZ
T587	Northern red oak	Quercus rubra	25	37.50	GOOD/AVG.	Roadway in CRZ
T588	Pignut hickory	Carya glabra	12.5	18.75	GOOD/AVG.	Roadway in CRZ
T589	Northern red oak	Quercus rubra	26	39.00	GOOD/AVG.	Growing over rock outcrop, roadway in CRZ
T590	White oak	Quercus alba	13	19.50	GOOD/AVG.	Planted in terraced area
T591	Northern red oak	Quercus rubra	28.5	42.75	GOOD/AVG.	Roadway in CRZ
T592	White oak	Quercus alba	10.5	15.75	GOOD/AVG.	Roadway in CRZ
T593	White oak	Quercus alba	22	33.00	GOOD/AVG.	Planted in terraced area
T594	Chestnut oak	Quercus prinus	18	27.00	GOOD/AVG.	Planted in terraced area
T595	White oak	Quercus alba	16	24.00	GOOD/AVG.	Roadway in CRZ, small canopy, leaning
T596	White oak	Quercus alba	26	39.00	GOOD/AVG.	Roadway in CRZ, small canopy, leaning
T597	Northern red oak	Quercus rubra	19	28.50	GOOD/AVG.	Planted in terraced area
T598	Pignut hickory	Carya glabra	13	19.50	GOOD/AVG.	Roadway in CRZ, codominant leaders (9, 9)
T599	Northern red oak	Quercus rubra	15.5	23.25	AVG.	Gutter and roadway in CRZ
T600	White oak	Quercus alba	21.5	32.25	AVG.	Limited soil volume

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CONSULTANTS

STATE OF MARYLAND · LANDSCAPE ARCHITECT
07/09/2020

LANDON SCHOOL

6101 WILSON LANE
BETHESDA, MD 20817

MARK	DATE	DESCRIPTION

M-NCPPC PROJECT NO:	420201370
PROJECT NO:	17-0250.002
SCALE:	NOT TO SCALE
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

TREE TABLE

LN1.13

SHEET 14 OF 15

MONTGOMERY PLANNING DEPARTMENT
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION

APPROVED - 420201370

Tsaiquan Gatling (Tsaiquan.Gatling@montgomeryplanning.org)
08/04/20

T601	White oak	*Quercus alba*	17.5	26.25	AVG.	Limited soil volume
T602	Northern red oak	*Quercus rubra*	25.5	38.25	AVG/POOR	Thin canopy, dieback, planted in terraced area
T603	White oak	*Quercus alba*	23	34.50	GOOD/AVG.	Planted in terraced area
T604	White oak	*Quercus alba*	17.5	26.25	GOOD/AVG.	Drainage channel in CRZ
T605	White oak	*Quercus alba*	17	25.50	GOOD/AVG.	Planted in terraced area
T606	White oak	*Quercus alba*	21	31.50	GOOD/AVG.	Planted in terraced area
T607	Redbud	*Cercis canadensis*	7	10.50	AVG.	Leaning, limited soil volume
T608	Redbud	*Cercis canadensis*	6	9.00	AVG.	Limited soil volume
T609	White oak	*Quercus alba*	25.5	38.25	GOOD/AVG.	Leaning, roadway in CRZ
T610	**White oak**	***Quercus alba***	**31.5**	**47.25**	**GOOD/AVG.**	**Roadway in CRZ**
T611	White oak	*Quercus alba*	19	28.50	GOOD/AVG.	Roadway in CRZ
T612	White oak	*Quercus alba*	18.5	27.75	GOOD/AVG.	Roadway in CRZ
T613	White oak	*Quercus alba*	22	33.00	GOOD/AVG.	Roadway in CRZ
T614	White oak	*Quercus alba*	22.5	33.75	GOOD/AVG.	Roadway in CRZ
T615	White oak	*Quercus alba*	18.5	27.75	AVG.	Roadway in CRZ, epicormic growth
T616	Flowering dogwood	*Cornus florida*	7.5	11.25	GOOD	
T617	White oak	*Quercus alba*	26.5	39.75	AVG.	Lopsided canopy hanging over building, limited soil volume
T618	White oak	*Quercus alba*	17.5	26.25	GOOD/AVG.	Roadway in CRZ
T619	Crapemyrtle	*Lagerstroemia indica*	7	10.50	GOOD/AVG.	Leaning, walk in CRZ, codominant leaders (9 @ 2", 3 @ 1.5")
T620	Serviceberry	*Amelanchier arborea*	4	6.00	AVG.	Codominant leaders (3, 2, 1.5)
T621	Pin oak	*Quercus palustris*	9	13.50	GOOD	
T622	Black cherry	*Prunus serotina*	21	31.50	GOOD/AVG.	Poor form, codominant leaders (13, 17)
T623	Dawn redwood	*Metasequoia glyptostroboides*	25	37.50	GOOD	
T624	Dawn redwood	*Metasequoia glyptostroboides*	21	31.50	GOOD	
T625	**Dawn redwood**	***Metasequoia glyptostroboides***	**40**	**60.00**	**GOOD**	**English ivy on trunk**
T626	White oak	*Quercus alba*	17	25.50	AVG.	Wound at base, leaning
T627	White oak	*Quercus alba*	21	31.50	AVG.	Leaning, asphalt in CRZ
T628	**White oak**	***Quercus alba***	**32**	**48.00**	**GOOD**	**Asphalt in CRZ, codominant leaders (24.5, 20.5)**
T629	White oak	*Quercus alba*	14	21.00	GOOD	Asphalt in CRZ
T630	White oak	*Quercus alba*	25	37.50	GOOD	Asphalt in CRZ
T631	American holly	*Ilex opaca*	6	9.00	GOOD/AVG.	Limbed up, wound on large trunk, codominant leaders (1, 2.5, 5)
T632	Redbud	*Cercis canadensis*	7	10.50	AVG.	Wounds on branches, poor form
T633	White oak	*Quercus alba*	20.5	30.75	GOOD/AVG.	Walkway and stairs in CZ
T634	Star magnolia	*Magnolia stellata*	6	9.00	GOOD/AVG.	Winter eval, in raised planter
T635	Northern red oak	*Quercus rubra*	26	39.00	GOOD/AVG.	Walkway in CRZ, removed leader at base
T636	Mockernut hickory	*Carya tomentosa*	15.5	23.25	GOOD/AVG.	Crowded root zone, directly adjacent to existing roadway, callous o trunk
T637	Mockernut hickory	*Carya tomentosa*	16	24.00	GOOD/AVG.	Crowded root zone, directly adjacent to existing roadway
T638	Mockernut hickory	*Carya tomentosa*	10.5	15.75	GOOD/AVG.	Crowded root zone, directly adjacent to existing roadway
T639	Mockernut hickory	*Carya tomentosa*	15.5	23.25	GOOD/AVG.	Crowded root zone, directly adjacent to existing roadway
T640	Mockernut hickory	*Carya tomentosa*	17.5	26.25	GOOD/AVG.	Crowded root zone
T641	Mockernut hickory	*Carya tomentosa*	11	16.50	GOOD/AVG.	Crowded root zone, directly adjacent to existing roadway
T642	Mockernut hickory	*Carya tomentosa*	21	31.50	GOOD/AVG.	Crowded root zone, directly adjacent to existing roadway
T643	White ash	*Fraxinus americana*	14.5	21.75	AVG.	
T644	White ash	*Fraxinus americana*	19	28.50	AVG.	
T645	White oak	*Quercus alba*	21	31.50	AVG.	Mower damage to surface roots, leaning
T646	White oak	*Quercus alba*	13.5	20.25	GOOD/AVG.	Leaning, removed branches
T647	White pine	*Pinus strobus*	12	18.00	AVG.	Broken branches, poor form
T648	White oak	*Quercus alba*	25.5	38.25	AVG.	Broken branches
T649	White pine	*Pinus strobus*	11	16.50	AVG.	Broken branches, poor form
T650	White pine	*Pinus strobus*	11	16.50	AVG.	Broken branches, poor form
T651	White pine	*Pinus strobus*	15.5	23.25	AVG.	Broken branches, poor form
T652	White pine	*Pinus strobus*	13.5	20.25	AVG.	Broken branches, poor form
T653	White pine	*Pinus strobus*	14	21.00	AVG.	Broken branches, poor form
T654	White pine	*Pinus strobus*	19.5	29.25	AVG.	Broken branches, poor form
T655	Blue spruce	*Picea pungens*	7.5	11.25	AVG.	Broken limbs, dieback
T656	Tulip poplar	*Liriodendron tulipifera*	23	34.50	AVG.	English ivy on trunk, pruned branches
T657	American holly	*Ilex opaca*	16	24.00	AVG.	Codominant leaders (12, 8, 6); some dieback
T658	American holly	*Ilex opaca*	13	19.50	GOOD/AVG.	Codominant leaders (6, 6, 10, 1, 1)
T659	American holly	*Ilex opaca*	15	22.50	GOOD/AVG.	
T660	Star magnolia	*Magnolia stellata*	16	24.00	GOOD/AVG.	Codominant leaders (7, 11, 6, 6); removed leader
T661	Star magnolia	*Magnolia stellata*	11	16.50	GOOD/AVG.	Codominant leaders (6, 5, 6, 5.5)
T662	Star magnolia	*Magnolia stellata*	13	19.50	GOOD/AVG.	
T663	Eastern hemlock	*Tsuga canadensis*	7	10.50	GOOD/AVG.	Minor dieback
T664	Eastern hemlock	*Tsuga canadensis*	7	10.50	GOOD	
T665	White oak	*Quercus alba*	11.5	17.25	AVG.	Crowded root zone
T666	White oak	*Quercus alba*	9.5	14.25	AVG.	Crowded root zone
T667	American beech	*Fagus grandifolia*	7	10.50	AVG.	Crowded root zone
T668	Mockernut hickory	*Carya tomentosa*	19.5	29.25	AVG.	Crowded root zone
T669	White oak	*Quercus alba*	22	33.00	GOOD/AVG.	Wound on trunk
T670	White oak	*Quercus alba*	13	19.50	GOOD/AVG.	Limited soil volume, English ivy on trunk
T671	Mockernut hickory	*Carya tomentosa*	9	13.50	GOOD/AVG.	Limited soil volume
T672	Black cherry	*Prunus serotina*	10	15.00	AVG.	Leaning, poor form, English ivy on trunk
T673	Black cherry	*Prunus serotina*	10	15.00	AVG/POOR	Damage on trunk, leaning, poor form, English ivy on trunk
T674	White pine	*Pinus strobus*	11	16.50	AVG.	Broken branches
T675	White pine	*Pinus strobus*	12.5	18.75	AVG.	Broken branches
T676	Black birch	*Betula lenta*	10	15.00	AVG.	Vines on trunk, winter ID
T677	White pine	*Pinus strobus*	9.5	14.25	AVG.	Broken branches, vines on trunk
T678	White pine	*Pinus strobus*	8	12.00	AVG.	Minor dieback, crowded root zone
T679	Black cherry	*Prunus serotina*	12.5	18.75	GOOD/AVG.	Vines on trunk
T680	White oak	*Quercus alba*	12	18.00	GOOD/AVG.	
T681	White pine	*Pinus strobus*	8	12.00	AVG.	Crowded root zone, vines on trunk and floor
T682	Mockernut hickory	*Carya tomentosa*	13	19.50	AVG/POOR	Crowded root zone, vines on trunk and floor
T683	White pine	*Pinus strobus*	9	13.50	AVG.	Crowded root zone, vines on trunk and floor
T684	Mockernut hickory	*Carya tomentosa*	17.5	26.25	AVG.	Crowded root zone, vines on trunk and floor
T685	White pine	*Pinus strobus*	11	16.50	AVG.	Crowded root zone, vines on trunk and floor
T686	White oak	*Quercus alba*	23	34.50	AVG.	Included bark, wounds from vine removal; codominant leaders (12.5, 19)
T687	Mockernut hickory	*Carya tomentosa*	8	12.00	GOOD	
T688	Northern red oak	*Quercus rubra*	24.5	36.75	GOOD/AVG.	Removed limb
T689	American beech	*Fagus grandifolia*	6	9.00	GOOD	
T690	Mockernut hickory	*Carya tomentosa*	7	10.50	GOOD	
T691	White oak	*Quercus alba*	11.5	17.25	GOOD	
T692	Northern red oak	*Quercus rubra*	22.5	33.75	GOOD/AVG.	Leaning over amphitheater
T693	White oak	*Quercus alba*	22	33.00	GOOD	
T694	White oak	*Quercus alba*	12	18.00	GOOD	
T695	White oak	*Quercus alba*	13.5	20.25	GOOD	
T696	White oak	*Quercus alba*	19.5	29.25	GOOD	
T697	Northern red oak	*Quercus rubra*	34	51.00	GOOD/AVG.	Retaining wall in CRZ
T698	White oak	*Quercus alba*	12.5	18.75	GOOD/AVG.	
T699	Northern red oak	*Quercus rubra*	20	30.00	GOOD/AVG.	
T700	White oak	*Quercus alba*	11	16.50	GOOD/AVG.	
T701	White oak	*Quercus alba*	19	28.50	GOOD/AVG.	Leaning, codominant leaders (15, 12)
T702	Northern red oak	*Quercus rubra*	21	31.50	GOOD/AVG.	
T703	White oak	*Quercus alba*	14	21.00	GOOD/AVG.	Leaning
T704	White oak	*Quercus alba*	23	34.50	GOOD/AVG.	Leaning, English ivy on trunk
T705	White oak	*Quercus alba*	16.5	24.75	GOOD/AVG.	
T706	Northern red oak	*Quercus rubra*	22	33.00	GOOD/AVG.	
T707	White oak	*Quercus alba*	9	13.50	GOOD/AVG.	Vines on trunk
T708	**Northern red oak**	***Quercus rubra***	**34**	**51.00**	**GOOD/AVG.**	
T709	Northern red oak	*Quercus rubra*	12	18.00	GOOD/AVG.	
T710	Northern red oak	*Quercus rubra*	14	21.00	GOOD/AVG.	
T711	American beech	*Fagus grandifolia*	8	12.00	GOOD/AVG.	
T712	Northern red oak	*Quercus rubra*	28.5	42.75	GOOD/AVG.	
T713	White pine	*Pinus strobus*	9.5	14.25	AVG.	Broken branches
T714	White oak	*Quercus alba*	17	25.50	GOOD/AVG.	
T715	White oak	*Quercus alba*	21	31.50	AVG.	Wound at base
T716	White oak	*Quercus alba*	16.5	24.75	GOOD/AVG.	
T717	**Scarlet oak**	***Quercus coccinea***	**31**	**46.50**	**GOOD/AVG.**	**Leaning, on steep slope, adjacent to asphalt on one side**
T718	White oak	*Quercus alba*	13	19.50	GOOD/AVG.	On steep slope, adjacent to asphalt on one side
T719	**Northern red oak**	***Quercus rubra***	**41**	**61.50**	**GOOD/AVG.**	**On steep slope, adjacent to asphalt on one side**
T720	White oak	*Quercus alba*	10	15.00	GOOD/AVG.	On steep slope, adjacent to asphalt on one side
T721	Tulip poplar	*Liriodendron tulipifera*	18	27.00	GOOD/AVG.	On steep slope, adjacent to asphalt on one side
T722	Tulip poplar	*Liriodendron tulipifera*	29	43.50	GOOD/AVG.	Vines on trunk, codominant leaders (20.5, 20)
T723	Northern red oak	*Quercus rubra*	9.5	14.25	GOOD/AVG.	
T724	White oak	*Quercus alba*	24	36.00	GOOD	
T725	Mockernut hickory	*Carya tomentosa*	12.5	18.75	AVG.	Limited soil volume
T726	Northern red oak	*Quercus rubra*	24.5	36.75	GOOD/AVG.	
T727	Northern red oak	*Quercus rubra*	27.5	41.25	GOOD/AVG.	
T728	White oak	*Quercus alba*	17.5	26.25	GOOD/AVG.	
T729	Tulip poplar	*Liriodendron tulipifera*	21	31.50	GOOD/AVG.	Codominant leaders (13.5, 16)
T730	American beech	*Fagus grandifolia*	19	28.50	GOOD/AVG.	
T731	Northern red oak	*Quercus rubra*	15	22.50	GOOD/AVG.	
T732	Honeylocust	*Gleditsia triacanthos*	15.5	23.25	AVG/POOR	Heartrot, leaning, large wound; winter eval
T733	Tulip poplar	*Liriodendron tulipifera*	24.5	36.75	GOOD/AVG.	
T734	Tulip poplar	*Liriodendron tulipifera*	21	31.50	GOOD/AVG.	
T735	Northern red oak	*Quercus rubra*	22.5	33.75	GOOD/AVG.	
T736	Mockernut hickory	*Carya tomentosa*	13	19.50	GOOD/AVG.	
T737	Tulip poplar	*Liriodendron tulipifera*	17	25.50	GOOD/AVG.	
T738	Tulip poplar	*Liriodendron tulipifera*	19.5	29.25	GOOD/AVG.	
T739	Northern red oak	*Quercus rubra*	23.5	35.25	GOOD/AVG.	
T740	American beech	*Fagus grandifolia*	21.5	32.25	GOOD/AVG.	Not flagged
T741	White oak	*Quercus alba*	21	31.50	GOOD/AVG.	Not flagged
T742	White oak	*Quercus alba*	21	31.50	GOOD/AVG.	
T743	White oak	*Quercus alba*	21.5	32.25	GOOD/AVG.	Not flagged, some broken branches
T744	White oak	*Quercus alba*	19.5	29.25	GOOD/AVG.	Not flagged, some broken branches
T745	White oak	*Quercus alba*	15	22.50	GOOD/AVG.	Removed limbs
T746	Eastern hemlock	*Tsuga canadensis*	8	12.00	GOOD/AVG.	Some broken branches
T747	Eastern hemlock	*Tsuga canadensis*	8	12.00	AVG.	Some broken branches, English ivy on trunk
T748	Mockernut hickory	*Carya tomentosa*	11	16.50	AVG.	Epicormic growth, callous at base
T749	White oak	*Quercus alba*	24	36.00	AVG.	Broken limbs and branches
T750	White oak	*Quercus alba*	25	37.50	GOOD/AVG.	
T751	**Northern red oak**	***Quercus rubra***	**38.5**	**57.75**	**GOOD/AVG.**	
T752	White pine	*Pinus strobus*	7	10.50	GOOD/AVG.	Removed lower branches
T753	Eastern hemlock	*Tsuga canadensis*	6.5	9.75	GOOD/AVG.	Leaning, removed lower branches
T754	White oak	*Quercus alba*	25.5	38.25	AVG.	Broken branches
T755	Tulip poplar	*Liriodendron tulipifera*	28	42.00	AVG.	Small canopy
T756	Boxelder	*Acer negundo*	7.5	11.25	AVG.	Leaning, poor form
T757	Boxelder	*Acer negundo*	10.5	15.75	AVG.	Leaning, small canopy
T758	American holly	*Ilex opaca*	13.5	20.25	GOOD	
T759	Eastern hemlock	*Tsuga canadensis*	9	13.50	AVG.	Broken limbs and branches
T760	Boxelder	*Acer negundo*	12	18.00	GOOD/AVG.	
T761	Boxelder	*Acer negundo*	7	10.50	AVG.	Epicormic growth, leaning
T762	Black birch	*Betula lenta*	10	15.00	GOOD/AVG.	Poor form
T763	Boxelder	*Acer negundo*	9	13.50	AVG.	Epicormic growth, poor form; codominant leaders (8.5, 3.5)
T764	Boxelder	*Acer negundo*	18	27.00	POOR	Poor form, removed branches, cavity, wound, probable heartrot
T765	White pine	*Pinus strobus*	12.5	18.75	GOOD/AVG.	
T766	White pine	*Pinus strobus*	10	15.00	GOOD/AVG.	Broken branches
T767	White pine	*Pinus strobus*	9.5	14.25	AVG.	Broken limbs and branches
T768	White pine	*Pinus strobus*	13.5	20.25	GOOD/AVG.	
T769	White oak	*Quercus alba*	15	22.50	GOOD/AVG.	Leaning, on edge of parking lot
T770	Mockernut hickory	*Carya tomentosa*	12	18.00	GOOD/AVG.	Lopsided canopy
T771	Mockernut hickory	*Carya tomentosa*	12	18.00	GOOD/AVG.	In parking lot
T772	White oak	*Quercus alba*	14	21.00	GOOD/AVG.	Leaning, in parking lot
T773	White oak	*Quercus alba*	18.5	27.75	AVG.	Leaning, lopsided canopy
T774	White oak	*Quercus alba*	17	25.50	AVG.	Leaning, poor form
T775	Northern red oak	*Quercus rubra*	14.5	21.75	AVG.	Leaning, poor form
T776	White oak	*Quercus alba*	19	28.50	GOOD/AVG.	Broken branches
T777	White oak	*Quercus alba*	19	28.50	GOOD	
T778	White oak	*Quercus alba*	24	36.00	AVG.	In parking lot, malformed at base
T779	White pine	*Pinus strobus*	14	21.00	AVG.	Broken limbs and branches
T780	White pine	*Pinus strobus*	19	28.50	AVG.	Broken limbs and branches, codominant leaders (12.5, 14)
T781	White oak	*Quercus alba*	20.5	30.75	AVG.	Poor form
T782	White oak	*Quercus alba*	29	43.50	GOOD/AVG.	
T783	White oak	*Quercus alba*	26	39.00	GOOD/AVG.	English ivy on trunk
T784	White oak	*Quercus alba*	17.5	26.25	GOOD/AVG.	Small canopy, in parking lot
T785	**White oak**	***Quercus alba***	**30.5**	**45.75**	**AVG.**	**Small canopy, in parking lot, limited root zone**
T786	White oak	*Quercus alba*	14.5	21.75	AVG.	Small canopy, in parking lot, limited root zone
T787	American holly	*Ilex opaca*	13	19.50	AVG.	In parking lot, callous at base, codominant leaders (10, 8)
T788	White oak	*Quercus alba*	26.5	39.75	AVG.	Wound at base
T789	Arborvitae	*Thuja orientalis*	22	33.00	AVG/POOR	Codominant leaders (13.5, 14.5, 9); leaning, dieback, one leader pruned
T790	Balsam fir	*Abies balsamea*	9	13.50	GOOD	
T791	Atlantic white cedar	*Chamaecyparis thyoides*	24	36.00	GOOD/AVG.	Lower branches removed
T792	Atlantic white cedar	*Chamaecyparis thyoides*	24	36.00	GOOD/AVG.	Vines on trunk
T793	Atlantic white cedar	*Chamaecyparis thyoides*	19	28.50	POOR	Pruned crown, poor form, cavity, heartrot; codominant leaders (11, 15)
T794	Atlantic white cedar	*Chamaecyparis thyoides*	18.5	27.75	GOOD/AVG.	Removed lower branches
T795	Black locust	*Robinia pseudoacacia*	13	19.50	GOOD/AVG.	Leaning, 'tis wood (photos)
T796	Atlantic white cedar	*Chamaecyparis thyoides*	14	21.00	AVG.	Wound at base
T797	Atlantic white cedar	*Chamaecyparis thyoides*	16.5	24.75	GOOD/AVG.	
T798	Atlantic white cedar	*Chamaecyparis thyoides*	18	27.00	AVG.	Wound on trunk
T799	Atlantic white cedar	*Chamaecyparis thyoides*	14	21.00	AVG.	Wound on trunk
T800	Atlantic white cedar	*Chamaecyparis thyoides*	15	22.50	GOOD/AVG.	
T801	Atlantic white cedar	*Chamaecyparis thyoides*	14	21.00	GOOD/AVG.	
T802	Atlantic white cedar	*Chamaecyparis thyoides*	24.5	36.75	GOOD/AVG.	Poison ivy on trunk
T803	Japanese zelkova	*Zelkova serrata*	16.5	24.75	GOOD/AVG.	Girdled roots (all)
T804	Japanese zelkova	*Zelkova serrata*	20.5	30.75	GOOD/AVG.	Limbs removed
T805	Japanese zelkova	*Zelkova serrata*	21.5	32.25	GOOD/AVG.	
T806	Japanese zelkova	*Zelkova serrata*	19	28.50	GOOD/AVG.	
T807	Japanese zelkova	*Zelkova serrata*	22	33.00	AVG.	Split between branches
T808	Japanese zelkova	*Zelkova serrata*	18	27.00	GOOD/AVG.	
T809	Japanese zelkova	*Zelkova serrata*	18	27.00	GOOD/AVG.	
T810	Japanese zelkova	*Zelkova serrata*	26	39.00	GOOD/AVG.	
T811	Japanese zelkova	*Zelkova serrata*	20	30.00	GOOD/AVG.	
T812	Japanese zelkova	*Zelkova serrata*	18.5	27.75	GOOD/AVG.	
T813	American holly	*Ilex opaca*	15	22.50	AVG.	Codominant leaders (6, 4, 8, 11); poor form
T814	American holly	*Ilex opaca*	13	19.50	AVG.	Codominant leaders (3, 8, 8, 6); poor form
T815	Mockernut hickory	*Carya tomentosa*	10	15.00	GOOD	
T816	Mockernut hickory	*Carya tomentosa*	13	19.50	GOOD/AVG.	Limited soil volume
T817	Cryptomeria	*Cryptomeria japonica*	15	22.50	GOOD/AVG.	Pruned at stairs, limited soil volume
T818	Red maple	*Acer rubrum*	18.5	27.75	GOOD/AVG.	Plaquard (sunset red maple)
T819	Japanese maple	*Acer palmatum*	16.5	24.75	GOOD/AVG.	
T820	Japanese maple	*Acer palmatum*	16.5	24.75	GOOD/AVG.	
T821	Atlantic white cedar	*Chamaecyparis thyoides*	23.5	35.25	GOOD/AVG.	
T822	Atlantic white cedar	*Chamaecyparis thyoides*	24	36.00	GOOD/AVG.	
T823	Atlantic white cedar	*Chamaecyparis thyoides*	24.5	36.75	GOOD/AVG.	
T824	Atlantic white cedar	*Chamaecyparis thyoides*	18	27.00	AVG.	Wound on trunk
T825	**Atlantic white cedar**	***Chamaecyparis thyoides***	**37**	**55.50**	**GOOD/AVG.**	
T826	Atlantic white cedar	*Chamaecyparis thyoides*	23	34.50	GOOD/AVG.	Hammock hanging on tree, codominant leaders (16, 16.5)
T827	Atlantic white cedar	*Chamaecyparis thyoides*	19.5	29.25	AVG.	Cavity
T828	Atlantic white cedar	*Chamaecyparis thyoides*	21	31.50	GOOD/AVG.	Hammock hanging on tree, codominant leaders (10, 19)
T829	Sweetgum	*Liquidambar styraciflua*	26	39.00	GOOD/AVG.	
T830	Arborvitae	*Thuja orientalis*	22.5	33.75	AVG.	
T831	Black cherry	*Prunus serotina*	20.5	30.75	GOOD/AVG.	
T832	Arborvitae	*Thuja orientalis*	11	16.50	AVG/POOR	Codominant leaders (9, 6.5), wound, in decline
T833	Flowering dogwood	*Cornus florida*	10	15.00	AVG.	Codominant leaders (8.5, 5); 4 leaders with two trunks, strange form
T834	Arborvitae	*Thuja orientalis*	16	24.00	GOOD/AVG.	Codominant leaders (6.5, 5, 9.5, 7, 8)
T835	Arborvitae	*Thuja orientalis*	13	19.50	GOOD/AVG.	Codominant leaders (5, 12)
T836	American holly	*Ilex opaca*	21	31.50	GOOD/AVG.	Codominant leaders (8, 8.5, 4, 10, 12.5, 5.5); English ivy on trunk
T837	Arborvitae	*Thuja orientalis*	12	18.00	GOOD/AVG.	
T838	Honeylocust	*Gleditsia triacanthos*	14	21.00	GOOD/AVG.	Winter eval
T839	**White pine**	***Pinus strobus***	**31**	**46.50**	**GOOD/AVG.**	**Broken branches, leaning, English ivy on trunk**
T840	**White pine**	***Pinus strobus***	**31.5**	**47.25**	**GOOD/AVG.**	**Broken branches, leaning, English ivy on trunk**
T841	**White pine**	***Pinus strobus***	**32**	**48.00**	**GOOD/AVG.**	**Broken branches, leaning, English ivy on trunk**
T842	**White pine**	***Pinus strobus***	**32.5**	**48.75**	**GOOD/AVG.**	**Broken branches, leaning, English ivy on trunk**
T843	**White pine**	***Pinus strobus***	**30**	**45.00**	**GOOD/AVG.**	**Broken branches, leaning, English ivy on trunk**
T844	Honeylocust	*Gleditsia triacanthos*	9.5	14.25	GOOD/AVG.	Winter eval
T845	Red maple	*Acer rubrum*	7.5	11.25	GOOD/AVG.	English ivy at base
T846	Redbud	*Cercis canadensis*	12	18.00	AVG.	Codominant leaders (9.5, 7); removed leader, crowded root zone, winter eval
T847	Black cherry	*Prunus serotina*	11	16.50	GOOD/AVG.	Leaning, crowded root zone
T848	Redbud	*Cercis canadensis*	10	15.00	AVG/POOR	Leaning, large crack in trunk
T849	Black cherry	*Prunus serotina*	22	33.00	GOOD/AVG.	English ivy on trunk, gravel lot in CRZ
T850	Tulip poplar	*Liriodendron tulipifera*	24.5	36.75	GOOD/AVG.	Leaning, gavel lot in CRZ
T851	Northern red oak	*Quercus rubra*	19	28.50	GOOD/AVG.	Gravel lot in CRZ
T852	Redbud	*Cercis canadensis*	9	13.50	AVG/POOR	English ivy in crown, ravel lot in CRZ
T853	White oak	*Quercus alba*	18	27.00	GOOD/AVG.	
T854	Mockernut hickory	*Carya tomentosa*	16	24.00	GOOD/AVG.	
T855	**Northern red oak**	***Quercus rubra***	**33**	**49.50**	**AVG.**	**Broken crown**
T856	Northern red oak	*Quercus rubra*	23	34.50	GOOD/AVG.	Leaning
T857	Mockernut hickory	*Carya tomentosa*	17.5	26.25	GOOD/AVG.	
T858	Mockernut hickory	*Carya tomentosa*	19.5	29.25	GOOD/AVG.	Road in CRZ
T859	Mockernut hickory	*Carya tomentosa*	13	19.50	GOOD/AVG.	
T860	Mockernut hickory	*Carya tomentosa*	18.5	27.75	GOOD/AVG.	
T861	Mockernut hickory	*Carya tomentosa*	13.5	20.25	GOOD/AVG.	
T862	Northern red oak	*Quercus rubra*	25	37.50	GOOD/AVG.	English ivy on trunk
T863	**Northern red oak**	***Quercus rubra***	**37**	**55.50**	**GOOD/AVG.**	**Road in CRZ**
T864	Cryptomeria	*Cryptomeria japonica*	9.5	14.25	GOOD/AVG.	
T865	Cryptomeria	*Cryptomeria japonica*	11.5	17.25	GOOD/AVG.	
T866	Tulip poplar	*Liriodendron tulipifera*	24	36.00	AVG.	Limited soil volume
T867	Tulip poplar	*Liriodendron tulipifera*	25.5	38.25	AVG.	Limited soil volume
T868	Tulip poplar	*Liriodendron tulipifera*	26	39.00	AVG.	Limited soil volume
T869	Paperbark maple	*Acer griseum*	7	10.50	AVG.	Limited soil volume
T870	Mockernut hickory	*Carya tomentosa*	21.5	32.25	GOOD/AVG.	
T871	Tulip poplar	*Liriodendron tulipifera*	13.5	20.25	GOOD/AVG.	
T872	Mockernut hickory	*Carya tomentosa*	19	28.50	AVG.	English ivy on trunk
T873	Tulip poplar	*Liriodendron tulipifera*	10.5	15.75	GOOD/AVG.	
T874	Black cherry	*Prunus serotina*	10.5	15.75	GOOD/AVG.	Broken branches, leaning, english ivy on trunk
T875	White oak	*Quercus alba*	12	18.00	GOOD/AVG.	English ivy on trunk
T876	White oak	*Quercus alba*	12	18.00	GOOD/AVG.	English ivy on trunk
T877	White oak	*Quercus alba*	22.5	33.75	GOOD/AVG.	
T878	Norway maple	*Acer platanoides*	11	16.50	GOOD/AVG.	
T879	Norway maple	*Acer platanoides*	12	18.00	GOOD/AVG.	
T880	Tulip poplar	*Liriodendron tulipifera*	23.5	35.25	GOOD/AVG.	English ivy at base
T881	Mockernut hickory	*Carya tomentosa*	10.5	15.75	GOOD/AVG.	Behind privacy fence, winter eval
T882	Tulip poplar	*Liriodendron tulipifera*	24.5	36.75	GOOD/AVG.	Behind privacy fence, englishivy on trunk
T883	Mockernut hickory	*Carya tomentosa*	11	16.50	GOOD/AVG.	English ivy on trunk
T884	American beech	*Fagus grandifolia*	14	21.00	GOOD/AVG.	English ivy on trunk
T885	Mockernut hickory	*Carya tomentosa*	10.5	15.75	GOOD/AVG.	English ivy at base
T886	**Tulip poplar**	***Liriodendron tulipifera***	**34**	**51.00**	**GOOD/AVG.**	
T887	American beech	*Fagus grandifolia*	29	43.50	GOOD/AVG.	
T888	**Tulip poplar**	***Liriodendron tulipifera***	**33**	**49.50**	**GOOD/AVG.**	**English ivy on trunk**
T889	Northern red oak	*Quercus rubra*	23.5	35.25	GOOD/AVG.	Leaning
T890	White oak	*Quercus alba*	18.5	27.75	AVG/POOR	Large wound on trunk, English ivy on trunk, very close to road
T891	American beech	*Fagus grandifolia*	27.5	41.25	GOOD/AVG.	Road in CRZ
T892	Tulip poplar	*Liriodendron tulipifera*	12	18.00	GOOD/AVG.	Road in CRZ, vines on trunk
T893	Tulip poplar	*Liriodendron tulipifera*	21.5	32.25	GOOD/AVG.	Road in CRZ, vines on trunk
T894	Norway maple	*Acer platanoides*	11	16.50	GOOD/AVG.	English ivy on trunk
T895	Mockernut hickory	*Carya tomentosa*	19	28.50	GOOD/AVG.	Lights equipment on trunk
T896	Mockernut hickory	*Carya tomentosa*	9.5	14.25	AVG.	English ivy on trunk, crowded root zone
T897	Black cherry	*Prunus serotina*	9	13.50	AVG.	Crowded root zone
T898	American beech	*Fagus grandifolia*	8	12.00	GOOD/AVG.	
T899	White oak	*Quercus alba*	12.5	18.75	GOOD/AVG.	English ivy on trunk
T900	White oak	*Quercus alba*	12	18.00	GOOD/AVG.	English ivy on trunk
T901	American beech	*Fagus grandifolia*	20.5	30.75	GOOD/AVG.	English ivy on trunk
T902	American beech	*Fagus grandifolia*	18.5	27.75	GOOD/AVG.	Crowded root zone
T903	White oak	*Quercus alba*	13	19.50	GOOD/AVG.	
T904	American beech	*Fagus grandifolia*	12.5	18.75	GOOD/AVG.	
T905	Mockernut hickory	*Carya tomentosa*	11	16.50	GOOD/AVG.	
T906	White oak	*Quercus alba*	12.5	18.75	GOOD/AVG.	English ivy on trunk
T907	Mockernut hickory	*Carya tomentosa*	11	16.50	GOOD/AVG.	English ivy on trunk
T908	American beech	*Fagus grandifolia*	17.5	26.25	AVG.	Parking lot in CRZ, callous on trunk
T909	American beech	*Fagus grandifolia*	11.5	17.25	GOOD/AVG.	Parking lot in CRZ
T910	Mockernut hickory	*Carya tomentosa*	8.5	12.75	AVG.	English ivy on trunk
T911	Black gum	*Nyssa sylvatica*	8	12.00	GOOD/AVG.	Parking lot in CRZ
T912	Black gum	*Nyssa sylvatica*	8.5	12.75	GOOD/AVG.	English ivy on trunk
T913	Mockernut hickory	*Carya tomentosa*	14.5	21.75	GOOD/AVG.	Lighting equipment on trunk, English ivy on trunk
T914	Mockernut hickory	*Carya tomentosa*	12.5	18.75	GOOD/AVG.	
T915	White pine	*Pinus strobus*	15.5	23.25	AVG.	Broken limbs and branches, poor form
T916	Arborvitae	*Thuja orientalis*	8.5	12.75	AVG/POOR	Dieback, leaning, poor form
T917	Arborvitae	*Thuja orientalis*	8	12.00	AVG/POOR	Dieback, leaning, poor form
T918	Black locust	*Robinia pseudoacacia*	17.5	26.25	AVG.	Vines on trunk, leaning, poor form
T919	Boxelder	*Acer negundo*	21	31.50	AVG/POOR	Large wounds on trunk, poor form
T920	White oak	*Quercus alba*	29	43.50	AVG.	Not flagged, in stream channel, vines on trunk
T921	American holly	*Ilex opaca*	7.5	11.25	AVG.	Not flagged, in stream channel, some dieback
T922	Northern red oak	*Quercus rubra*	14.5	21.75	AVG.	Not flagged, in stream channel, vines on trunk
T923	Tulip poplar	*Liriodendron tulipifera*	21	31.50	AVG/POOR	Not flagged, in stream channel, vines on trunk, small canopies, dieback
T924	Tulip poplar	*Liriodendron tulipifera*	28	42.00	AVG/POOR	Not flagged, in stream channel, vines on trunk, small canopies, dieback
T925	Red maple	*Acer rubrum*	15.5	23.25	AVG/POOR	Not flagged, in stream channel, vines on trunk
T926	Norway maple	*Acer platanoides*	22.5	33.75	AVG.	Vines on trunk, leaning, poor form, on embankment
T927	Norway maple	*Acer platanoides*	19	28.50	AVG.	Codominant leaders (7, 4.5, 5.5, 4, 10, 7, 7.5, 5); English ivy on trunk, included bark
T928	Siberian elm	*Ulmus pumila*	12	18.00	AVG.	Head wall in CRZ
T929	Redbud	*Cercis canadensis*	7	10.50	AVG.	Codominant leaders (5, 3.5, 4), limited soil volume
T930	**Tulip poplar**	***Liriodendron tulipifera***	**33.5**	**50.25**	**AVG.**	**On stream bank, vines on trunk**
T931	**Tulip poplar**	***Liriodendron tulipifera***	**43**	**64.50**	**GOOD/AVG.**	**On stream bank, vines on trunk, lopsided canopy**
T932	**Sycamore**	***Platanus occidentalis***	**31**	**46.50**	**AVG.**	**On stream bank, growing over stream, vines on trunk, leaning**
T933	**Northern red oak**	***Quercus rubra***	**38**	**57.00**	**GOOD/AVG.**	
T934	**Tulip poplar**	***Liriodendron tulipifera***	**33**	**49.50**	**AVG.**	**Debris leaning against tree from embankment, vines on trunk, thin canopy**
T935	**Tulip poplar**	***Liriodendron tulipifera***	**34.5**	**51.75**	**AVG.**	**Vines on trunk, thin canopy**
T936	**Tulip poplar**	***Liriodendron tulipifera***	**31**	**46.50**	**AVG/POOR**	**Tin canopy, lots of dieback, epicormic growth**
T937	**White oak**	***Quercus alba***	**30**	**45.00**	**GOOD/AVG.**	**English ivy on trunk, some broken branches**
T938	**White oak**	***Quercus alba***	**30**	**45.00**	**AVG.**	**Broken leader, small canopy, English ivy on trunk**
T939	**Tulip poplar**	***Liriodendron tulipifera***	**34.5**	**51.75**	**AVG.**	**Broken leaders and branches, vines on trunk**
T940	**Tulip poplar**	***Liriodendron tulipifera***	**30.5**	**45.75**	**GOOD/AVG.**	**Vines on trunk**
T941	**Tulip poplar**	***Liriodendron tulipifera***	**31**	**46.50**	**AVG.**	**Vines on trunk, small canopy**
T942	**Tulip poplar**	***Liriodendron tulipifera***	**42**	**63.00**	**AVG.**	**Vines on trunk, broken branches**
T943	**Northern red oak**	***Quercus rubra***	**31**	**46.50**	**GOOD/AVG.**	**Vines on trunk**
T944	**Northern red oak**	***Quercus rubra***	**32**	**48.00**	**AVG.**	**Leaning, broken branches, small canopy**
T945	**Cottonwood**	***Populus deltoides***	**33**	**49.50**	**AVG.**	**Heavily leaning, vines on trunk**
T946	**Northern red oak**	***Quercus rubra***	**31**	**46.50**	**POOR**	**Dieback, epicormic growth**
T947	**Tulip poplar**	***Liriodendron tulipifera***	**35**	**52.50**	**GOOD/AVG.**	**Leaning**
T948	**Northern red oak**	***Quercus rubra***	**32.5**	**48.75**	**AVG.**	**Vines on trunk, small canopy, broken limbs**
T949	**White oak**	***Quercus alba***	**30**	**45.00**	**AVG.**	**Vines on trunk, lopsided canopy**
T950	**Northern red oak**	***Quercus rubra***	**36.5**	**54.75**	**GOOD/AVG.**	**Leaning, vines on trunk**
T951	**White oak**	***Quercus alba***	**30.5**	**45.75**	**GOOD/AVG.**	
T952	**White oak**	***Quercus alba***	**30**	**45.00**	**GOOD/AVG.**	
T953	**Tulip poplar**	***Liriodendron tulipifera***	**35**	**52.50**	**AVG.**	**Broken leaders**
T954	**Northern red oak**	***Quercus rubra***	**36**	**54.00**	**GOOD/AVG.**	
T955	**Sycamore**	***Platanus occidentalis***	**36.5**	**54.75**	**GOOD/AVG.**	**English ivy on trunk**
T956	**White oak**	***Quercus alba***	**32.5**	**48.75**	**GOOD/AVG.**	
T957	**Northern red oak**	***Quercus rubra***	**33.5**	**50.25**	**GOOD/AVG.**	
T958	**Northern red oak**	***Quercus rubra***	**35**	**52.50**	**GOOD/AVG.**	**Small canopy**
T959	**White oak**	***Quercus alba***	**31**	**46.50**	**GOOD/AVG.**	
T960	**Sycamore**	***Platanus occidentalis***	**34**	**51.00**	**GOOD/AVG.**	**Vines on trunk, leaning**
T961	**Northern red oak**	***Quercus rubra***	**31.5**	**47.25**	**GOOD/AVG.**	**Leaning**
T962	**Northern red oak**	***Quercus rubra***	**30**	**45.00**	**GOOD/AVG.**	

*** BOLD DENOTES SPECIMEN TREE**

FOREST STAND SUMMARY SHEET

Property Name:	*Landon School*		
Location:	*6101 Wilson Lane Bethesda, MD 20817*	(Town,County,ADC Map#,and Grid Coordinates): ADC Montgomery County 2006 Edition Map Map: 5046, Grid: K1 & K2 (Page 57), Map: 5046, Grid: A1 & A2 (Page 58)	
Prepared By:	*MMW/AMS*		Date: 2020-01-13

Stand Variable	**Stand #1 Plot #1 (S1P1)**		**Stand #2 Plot #1 (S2P1)**	
1. Dominant species/ Codominant species	***American beech, White oak***		***American beech, White oak, Tulip poplar***	
2. Forest Association	***Tulip poplar association***		***Tulip poplar association***	
3. Successional stage	***Mid***		***Mid***	
4. Basal area in s.f. per acre	***100***		***100***	
5. Size class of dominant species	***2-5.9", 6-9.9"***		***2-5.9", >30"***	
6. Percent of canopy closure	***76***		***70***	
7. Number of tree species	***6***		***6***	
8. Common understory species	***American beech, American holly***		***American beech, musclewood, spicebush, slippery elm***	
9. Percent of understory cover 3' to 20' tall	***24***		***39***	
10. Number of understory species 3' to 20' tall	***2***		***4***	
11. Common herbaceous species	***N/A; see comments***		***N/A; see comments***	
12. Common herbaceous & woody plant cover 0' to 3' tall	***N/A; see comments***		***N/A; see comments***	
13. List of major invasive plant species & percent of cover	***English ivy, burning bush***	***17***	***Burning bush, English ivy, greenbrier***	***62***
14. Number of standing dead trees ≥6" dbh	***1***		***1***	
15. Comments	***Winter eval, herbaceous not present***		***Winter eval, herbaceous not present***	

A. MORTON THOMAS AND ASSOCIATES, INC.
CONSULTING ENGINEERS
800 KING FARM BOULEVARD, 4TH FLOOR
ROCKVILLE, MD 20850
PHONE (301) 881-2545 | FAX (301) 881-0814
EMAIL: AMT1@AMTENGINEERING.COM

CONSULTANTS

07/09/2020

LANDON SCHOOL

6101 WILSON LANE
BETHESDA, MD 20817

MARK	DATE	DESCRIPTION

M-NCPPC PROJECT NO:	420201370
PROJECT NO:	17-0250.002
SCALE:	NOT TO SCALE
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

TREE TABLE

LN1.14

SHEET 15 OF 15

September 28, 2020

Landon School
c/o Steve King, Chief Financial Officer
6101 Wilson Lane
Bethesda, MD 20817

Re: Landon School
Forest Conservation Exemption Request and Simplified NRI/FSD No. 42021029E
Confirmed and Approved on 9/28/2020

Dear Steve King:

On September 25, 2020, Intake and Regulatory Coordination staff of the Montgomery County Planning Department received a Simplified Natural Resource Inventory / Forest Stand Delineation "Simplified NRI/FSD" for a multi-phased construction project at the Landon School. The Simplified NRI/FSD is part of a forest conservation exemption request for a modification to an existing developed, non-residential property. The exemption request has been assigned plan number 42021029E.

Review of the forest conservation exemption request is complete. Although, many large mature trees will be cut and removed, the project meets the requirements of the Montgomery County Code, Chapter 22A (Forest Conservation Law), Section 22A-5(t)(1) for modifications to existing, non-residential developed property. Approximately, 4,667 square feet of forest will be cleared. To date including this project, 4,667 square feet of forest has been cleared from the property. No forested stream buffer will be impacted by the project. The subject property is not within a special protection area. The project maintains the development and does not require approval of a new subdivision plan. The project increases the developed area by approximately 25%.

Forest Conservation Exemption Request No. 42021029E for the Landon School is confirmed. The Simplified NRI/FSD submitted for the project is approved.

Any changes from the confirmed exemption and approved plan may constitute grounds to rescind or amend any approval actions taken and to take appropriate enforcement actions. If there are any subsequent modifications to the approved plans, a separate amendment may be required for Montgomery County Planning Department review and approval prior to those activities occurring.

As the project is to be completed in different phases with multiple sediment control permits, the Landon School should submit for prior approval to the Montgomery County Planning Department a forest conservation exemption and tree save plan for each construction phase. The purpose of each tree save plan is to verify that the construction project is within the limits of disturbance shown on approved Exemption No. 42021029E, confirm that the conditions of Chapter 22A-5(t)(1) are being met and to encourage the Landon School to take steps to preserve trees on the property.

Sincerely,
Stephen Peck

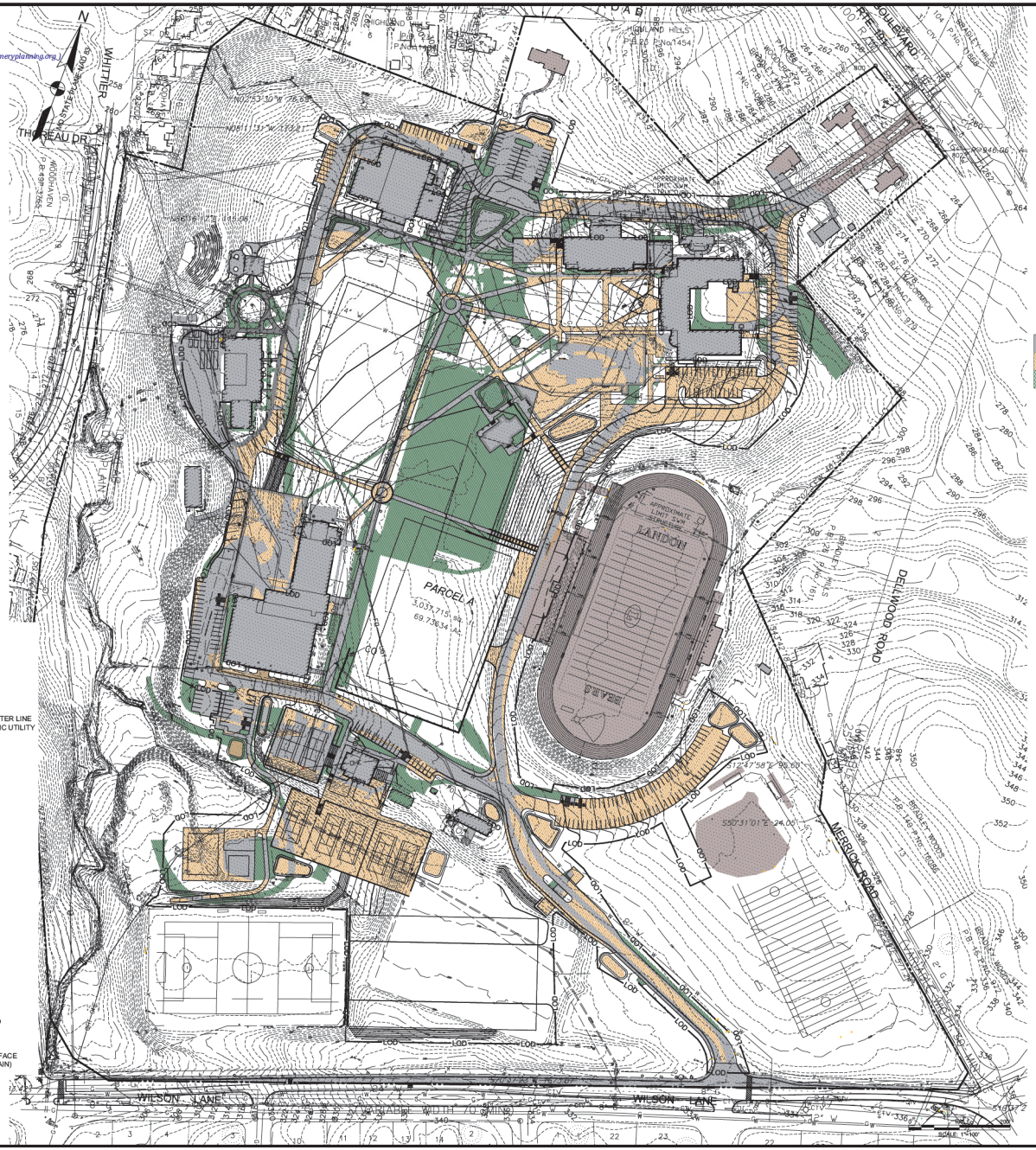
Stephen Peck
Senior Planner and Inspector
Intake and Regulatory Coordination
M-NCPPC - Montgomery County Planning Department

CC: Andrea Stirton, A. Morton Thomas and Associates, Inc.

MONTGOMERY PLANNING DEPARTMENT
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION

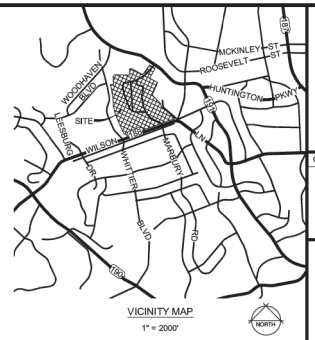
APPROVED - 42021029E

Stephen Peck (stephen.peck@montgomeryplanning.org)
09/28/20



LEGEND

- MAJOR CONTOUR
- MINOR CONTOUR
- PROPERTY LINE
- EXISTING PAVEMENT
- EXISTING BUILDING
- EXISTING WOOD FENCE
- EXISTING YARD INLET
- EXISTING BOLLARD
- EXISTING OVERHEAD UTILITY
- EXISTING UNDERGROUND WATER LINE
- EXISTING OVERHEAD ELECTRIC UTILITY
- SOIL TYPE
- SOIL BOUNDARY
- EXISTING TREE
- EXISTING SPECIMEN TREE
- SLOPE >25%
- SLOPE BETWEEN 15-25% ON ERODIBLE SOILS
- STREAM
- STREAM BUFFER
- FOREST
- TREE STAND/TREE CANOPY
- EXISTING CURB
- EXISTING SIGN
- EXISTING BOULDER
- EXISTING GATE ARM
- EXISTING LIGHT
- BUILDING RESTRICTION LINE
- FLOODPLAIN
- CRITICAL ROOT ZONE
- FOREST TO REMAIN
- FOREST TO BE REMOVED
- TREE STAND TO REMAIN
- TREE STAND TO BE REMOVED
- LIMITS OF DISTURBANCE
- PROPOSED IMPERVIOUS SURFACE (INCLUDES EXISTING TO REMAIN)



CHANGE IN DEVELOPMENT

	SQUARE FEET	50% INCREASE	INCREASE TOTAL IMPERVIOUS (SF)
EXISTING DEVELOPED	205,635	102,817.5	
NEW DEVELOPED	257,607		51,972
NEW UNDEVELOPED	190,875		

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EMAIL: AMT1@AMTENGINEERING.COM

CONSULTANTS

LANDON SCHOOL

6101 WILSON LANE
BETHESDA, MD 20817

MARK	DATE	DESCRIPTION

M-NCPPC PROJECT NO:	420201370, 42021029E
PROJECT NO:	17-0250.002
SCALE:	1"=10'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

DEVELOPMENT EXHIBIT

EXH1.0

SHEET 17 OF 17

MONTGOMERY PLANNING DEPARTMENT
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
APPROVED - 42021029E
Stephen Peck (stephen.peck@montgomeryplanning.org)
09/28/20

PROPERTY INFORMATION:

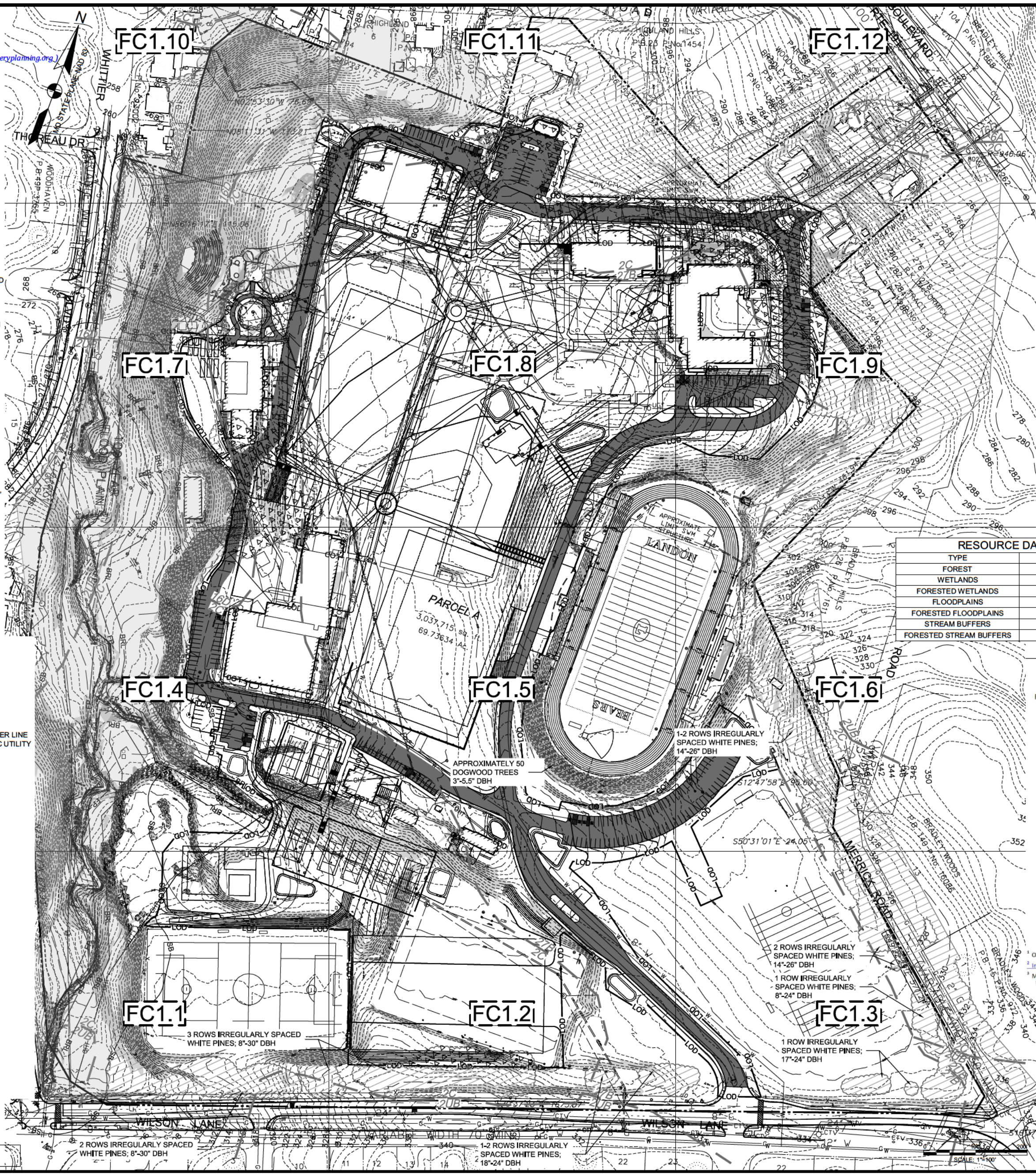
PARCEL NUMBER:	A
ACCOUNT NUMBER:	03263726
SUBDIVISION NUMBER:	0001
ADC MAP/GRID:	5406/K1-3; 5407A1-2
LIBER/FOLIO:	-/-
TAX MAP:	GN53
WSSC GRID:	210NW06
TOTAL ACRES:	69.74 AC
NET TRACT AREA:	45.36 AC

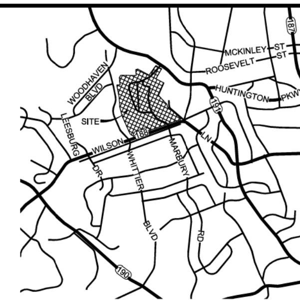
GENERAL NOTES

1. THE PROPERTY BOUNDARY INFORMATION IS BASED ON AN A. MORTON THOMAS & ASSOCIATES FIELD RUN SURVEY (DECEMBER 2019, JANUARY 2020).
2. ZONING FOR THIS PARCEL IS R90 (OVERLAY ZONE TDR8.0).
3. THE TOPOGRAPHIC SURVEY SHOWN ON THIS PLAN WAS COMPLETED BY A. MORTON THOMAS & ASSOCIATES, INC. IN DECEMBER 2019 AND JANUARY 2020 AND MONTGOMERY COUNTY GIS TOPOGRAPHIC INFORMATION.
4. THE SITE IS LOCATED WITHIN THE CABIN JOHN WATERSHED WHICH IS DESIGNATED USE-I/I-P.
5. THERE IS NO FLOODPLAIN ON THIS SITE AS DETERMINED FROM FEMA FLOOD MAP 24031C0435D. THE 100-YEAR FLOODPLAIN SHOWN WAS COMPUTED BY MACRIS HENDRICKS AND GLASCOCK, P.A. AND MERLIN.
6. THERE ARE NO WETLANDS ONSITE OR WITHIN 100 FEET OF THE PROPERTY LINE.
7. THE SITE IS NOT WITHIN UPPER PAINT BRANCH SPECIAL PROTECTION AREA.
8. THERE IS A HISTORIC SITE LOCATED ON THE PROPERTY. IT IS THE LANDSDALE HOUSE/LANDON SCHOOL (INVENTORY NUMBER M:35-16)
9. FIELD WORK WAS CONDUCTED BY MATTHEW WEIR, RLA, AND ANDREA STIRTON, RLA OF A. MORTON THOMAS & ASSOCIATES, INC. IN DECEMBER 2019 AND JANUARY 2020. TREES WERE MEASURED USING A D-TAPE.
10. THERE ARE NO KNOWN RECORDS OR READILY OBSERVABLE RARE, THREATENED OR ENDANGERED SPECIES OR CRITICAL HABITATS ON THE SITE.
11. THE SIGNIFICANT AND SPECIMEN TREES ON THE SUBJECT PROPERTY ARE SHOWN ON THE PLANS.
12. THERE ARE NO MONTGOMERY COUNTY OR STATE CHAMPION TREES ON THIS PARCEL. NO TREES ON THE PARCEL HAVE A DBH ≥ 75% OF THE COUNTY OR STATE CHAMPION.

MAJOR CONTOUR
MINOR CONTOUR
PROPERTY LINE
EXISTING PAVEMENT
EXISTING BUILDING
EXISTING WOOD FENCE
EXISTING YARD INLET
EXISTING BOLLARD
EXISTING OVERHEAD UTILITY
EXISTING UNDERGROUND WATER LINE
EXISTING OVERHEAD ELECTRIC UTILITY
SOIL TYPE
SOIL BOUNDARY
EXISTING TREE
EXISTING SPECIMEN TREE
SLOPE >25%
SLOPE BETWEEN 15-25% ON ERODIBLE SOILS
STREAM
STREAM BUFFER
FOREST
TREE STAND/TREE CANOPY
EXISTING CURB
EXISTING SIGN
EXISTING BOULDER
EXISTING GATE ARM
EXISTING LIGHT
BUILDING RESTRICTION LINE
FLOODPLAIN
CRITICAL ROOT ZONE
FOREST TO REMAIN
FOREST TO BE REMOVED
TREE STAND TO REMAIN
TREE STAND TO BE REMOVED
LIMITS OF DISTURBANCE

THIS PLAN IS FOR TREE PROTECTION ONLY





VICINITY MAP
1" = 2000'

RESOURCE DATA TABLE

TYPE	ACREAGE ON SITE
FOREST	11.56 AC.
WETLANDS	0 AC.
FORESTED WETLANDS	0 AC.
FLOODPLAINS	2.25 AC.
FORESTED FLOODPLAINS	2.16 AC.
STREAM BUFFERS	10.57 AC.
FORESTED STREAM BUFFERS	9.42 AC.

Forest Conservation Data Table

	Number of Acres
Tract	69.7
Remaining in Agricultural Use	
Road & Utility ROWs[1]	
Total Existing Forest	11.6
Forest Retention	11.5
Forest Cleared	0.1

Land Use & Thresholds[2]		
Land Use Category	IDA	ARA, MDR, IDA, HDR, MDP, or CIA.
Conservation Threshold	20%	percent
Afforestation Threshold	15%	percent

	Total Channel Length (ft.)	Average Buffer Width (ft.)[3]
Stream(s)	1,555	100

Acres of Forest in	Retained	Cleared	Planted
Wetlands	-	-	-
100-Year Floodplain	2.25	-	-
Stream Buffers	9.27	-	-
Priority Areas	-	-	-

[1] Only Road or Utility ROWs not to be improved as part of development application.
[2] Information from FC Land Use Categories & Thresholds document.
[3] Measured from stream edge to buffer edge.

SOIL TYPES

MAP UNIT SYMBOL	MAP UNIT NAME	HYDRIC SOIL	HIGHLY ERODIBLE?*	HYDROLOGIC SOIL GROUP	DRAINAGE CLASS
2C	GLENELG SILT LOAM, 8-15% SLOPES	NO	NO	B	WELL DRAINED
2UB	GLENELG-URBAN LAND COMPLEX, 0-8% SLOPES	NO	NO	B	WELL DRAINED
6A	BAILE SILT LOAM, 0-3% SLOPES	YES	NO	C/D	POORLY DRAINED
16D	BRINKLOW-BLOCKTOWN CHANNERY SILT LOAMS, 15-25% SLOPES	NO	YES	C	WELL DRAINED
27B	NESHAMINY SILT LOAM, 3-8% SLOPES	NO	NO	B	WELL DRAINED

* HIGHLY ERODIBLE SOILS ARE BASED ON THE LATEST VERSION OF "MONTGOMERY COUNTY GUIDELINES FOR ENVIRONMENTAL MANAGEMENT OF DEVELOPMENT IN MONTGOMERY COUNTY."

AMT
A. MORTON THOMAS AND ASSOCIATES, INC.
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ROCKVILLE, MD 20850
PHONE (301) 881-2545 | FAX (301) 881-0814
EMAIL: AMT1@AMTENGINEERING.COM

CONSULTANTS

08/04/2020

LANDON SCHOOL

6101 WILSON LANE
BETHESDA, MD 20817

MARK	DATE	DESCRIPTION

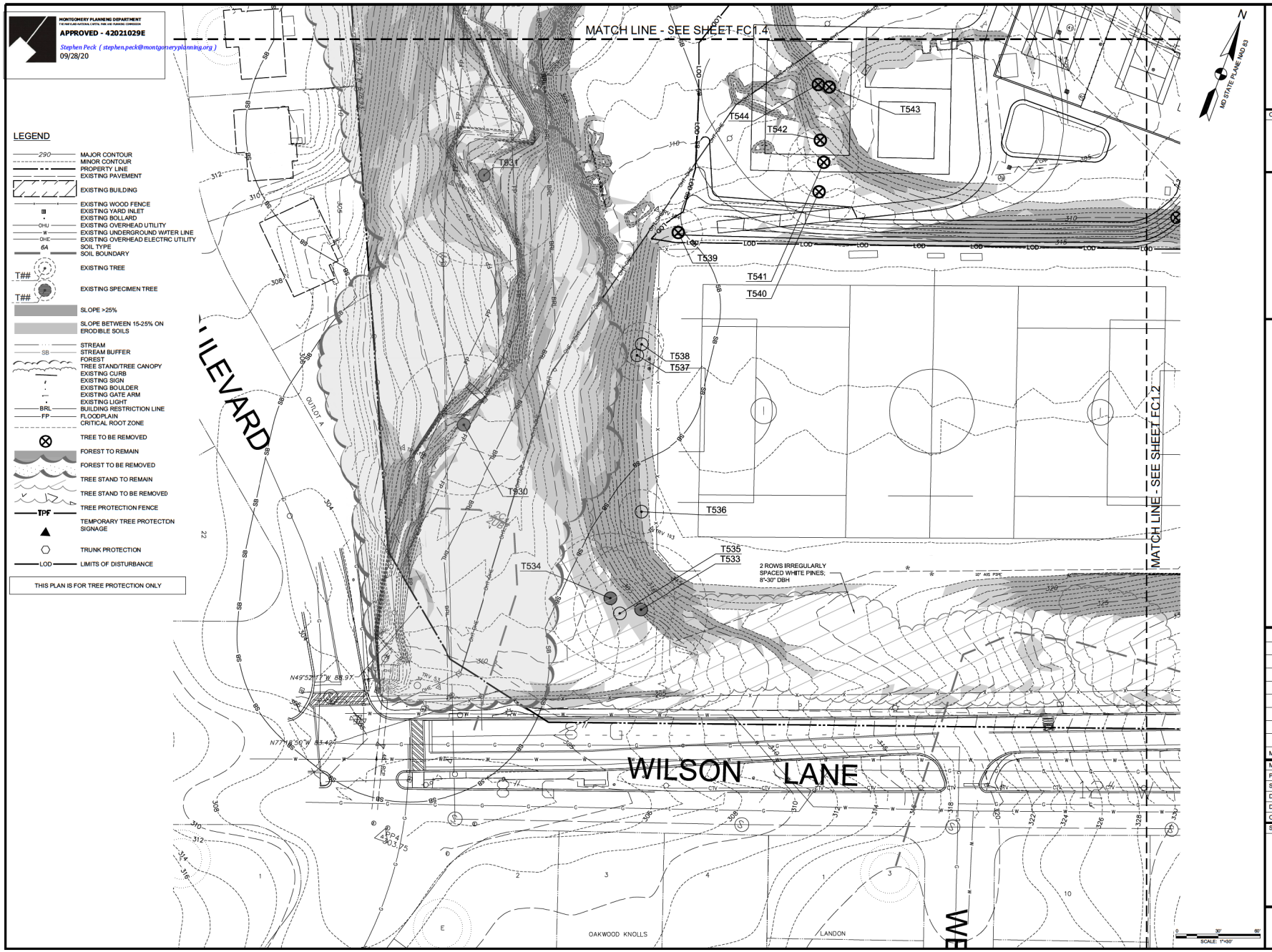
M-NCPPC PROJECT NO:	420201370, 42021029E
PROJECT NO:	17-0250.002
SCALE:	1"=10'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

FOREST CONSERVATION EXEMPTION PLAN

FC1.0

SHEET 01 OF 16



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CONSULTANTS

08/04/2020

LANDON SCHOOL

6101 WILSON LANE
BETHESDA, MD 20817

MARK	DATE	DESCRIPTION

M-NCPPC PROJECT NO:	420201370, 42021029E
PROJECT NO:	17-0258.002
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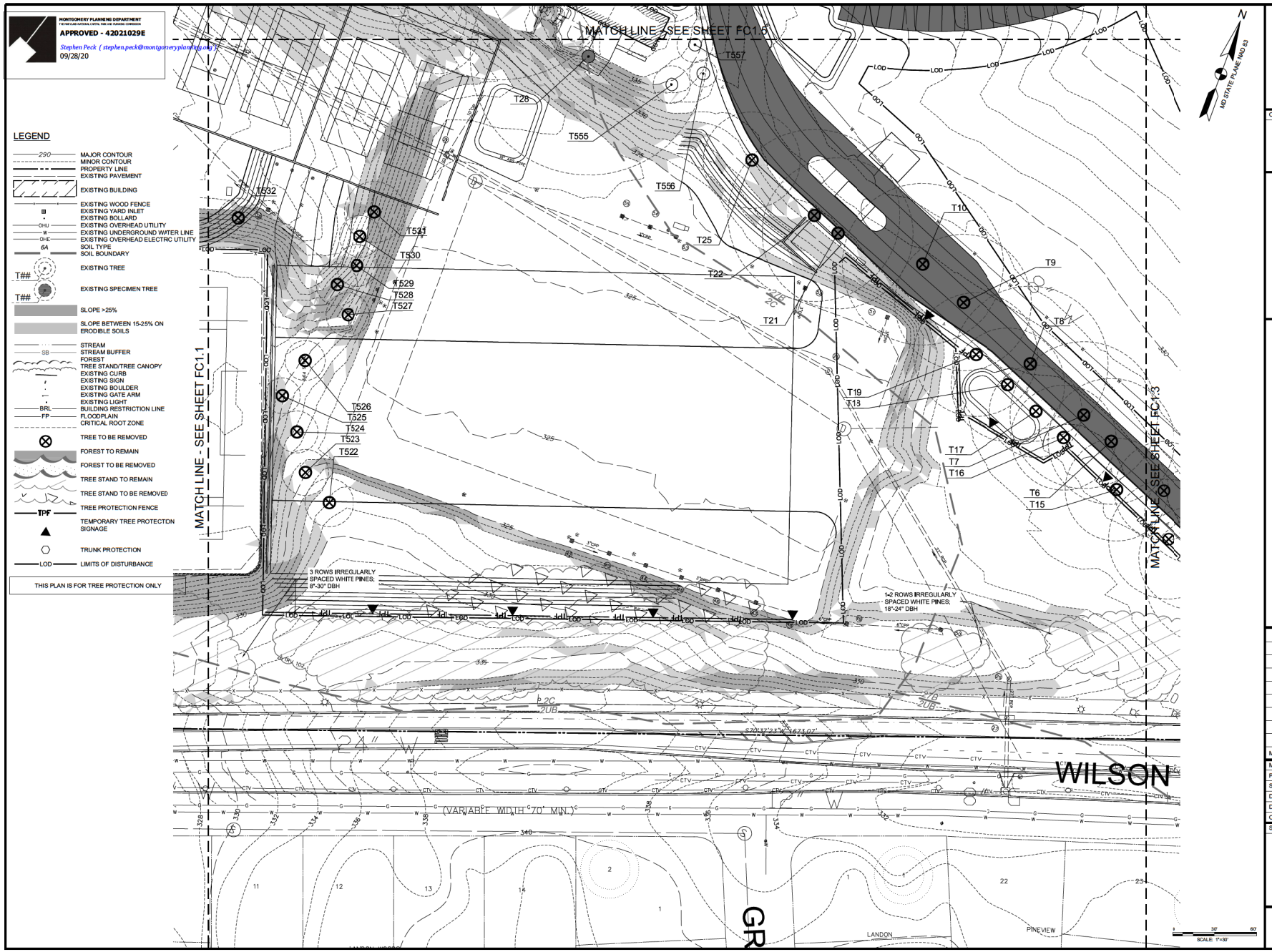
SHEET TITLE

FOREST CONERVATION EXEMPTION PLAN

FC1.1

SHEET 02 OF 16



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08/04/2020

LANDON SCHOOL

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CHECKED BY:	AMT

SHEET TITLE

FOREST CONERVATION EXEMPTION PLAN

FC1.2

SHEET 03 OF 16

MONTGOMERY PLANNING DEPARTMENT
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION

APPROVED - 42021029E

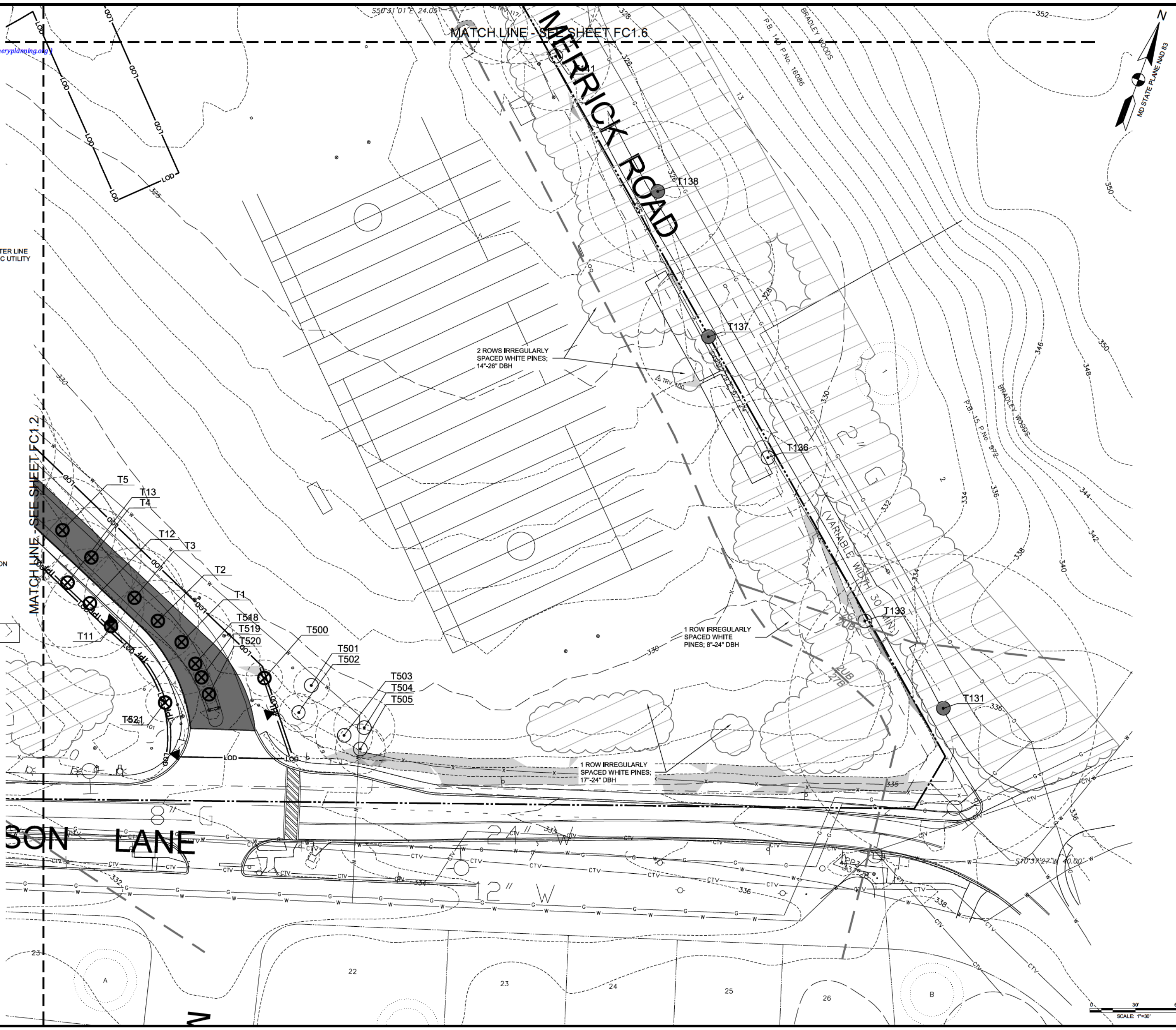
Stephen Peck (stephen.peck@montgomeryplanning.org)

09/28/20

LEGEND

- MAJOR CONTOUR (290)
- MINOR CONTOUR
- PROPERTY LINE
- EXISTING PAVEMENT
- EXISTING BUILDING
- EXISTING WOOD FENCE
- EXISTING YARD INLET
- EXISTING BOLLARD
- EXISTING OVERHEAD UTILITY (OHU)
- EXISTING UNDERGROUND WATER LINE (W)
- EXISTING OVERHEAD ELECTRIC UTILITY (OHE)
- SOIL TYPE (6A)
- SOIL BOUNDARY
- EXISTING TREE (T##)
- EXISTING SPECIMEN TREE (T##)
- SLOPE >25%
- SLOPE BETWEEN 15-25% ON ERODIBLE SOILS
- STREAM
- STREAM BUFFER (SB)
- FOREST
- TREE STAND/TREE CANOPY
- EXISTING CURB
- EXISTING SIGN
- EXISTING BOULDER
- EXISTING GATE ARM
- EXISTING LIGHT
- BUILDING RESTRICTION LINE (BRL)
- FLOODPLAIN (FP)
- CRITICAL ROOT ZONE
- TREE TO BE REMOVED
- FOREST TO REMAIN
- FOREST TO BE REMOVED
- TREE STAND TO REMAIN
- TREE STAND TO BE REMOVED
- TREE PROTECTION FENCE (TPF)
- TEMPORARY TREE PROTECTION SIGNAGE
- TRUNK PROTECTION
- LIMITS OF DISTURBANCE (LOD)

THIS PLAN IS FOR TREE PROTECTION ONLY



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CONSULTANTS

STATE OF MARYLAND — ANDREW EUGENE STREBEL — LANDSCAPE ARCHITECT — No. 3861

08/04/2020

LANDON SCHOOL

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SHEET TITLE

FOREST CONSERVATION EXEMPTION PLAN

FC1.3

SHEET 04 OF 16

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CONSULTANTS

08/04/2020

LANDON SCHOOL

6101 WILSON LANE
BETHESDA, MD 20817

MARK	DATE	DESCRIPTION

M-NCPPC PROJECT NO:	420201370, 42021029E
PROJECT NO:	17-0258.002
SCALE:	1"=10'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT
SHEET TITLE	

FOREST CONERVATION EXEMPTION PLAN

FC1.4

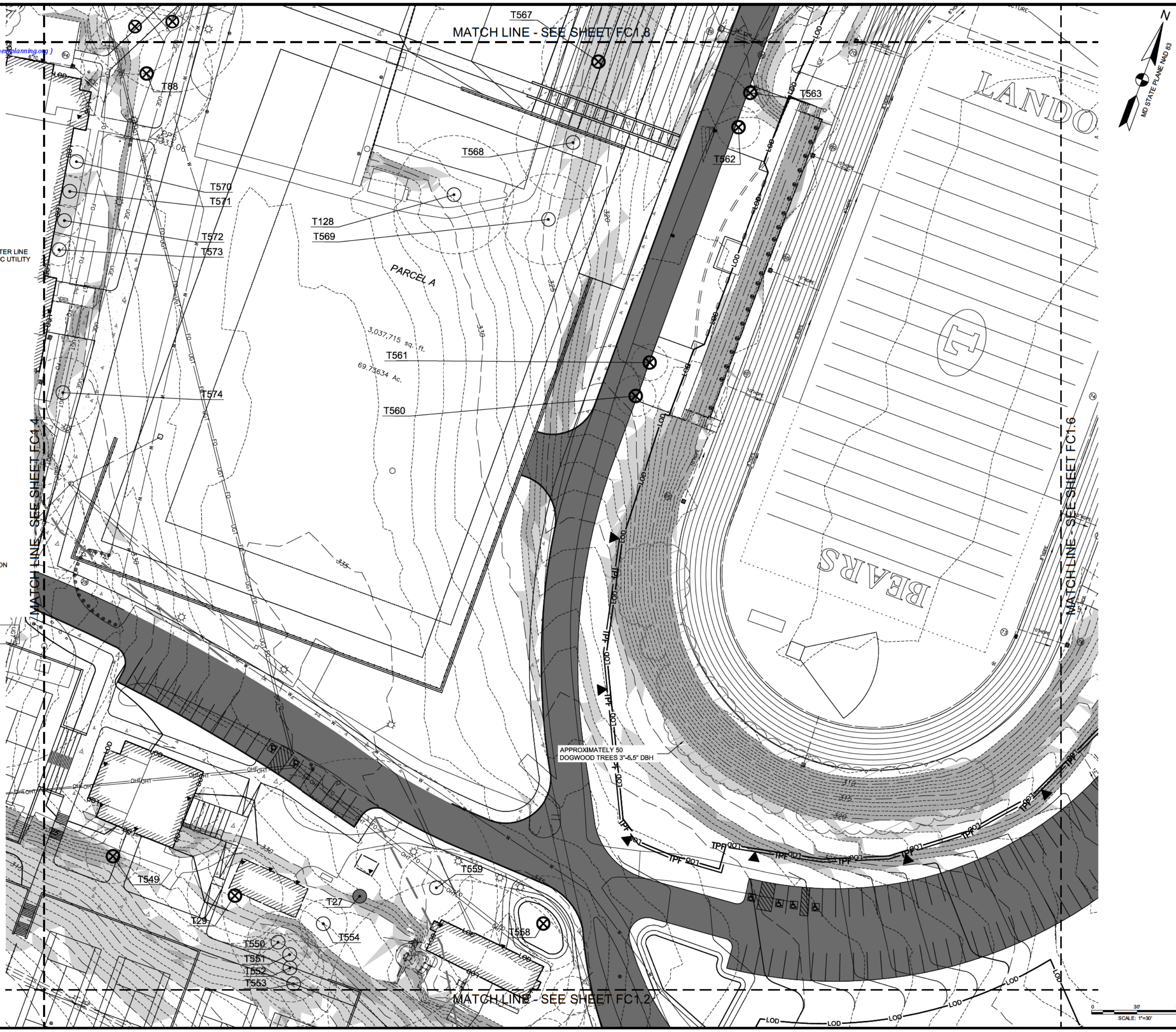
SHEET 05 OF 16

MONTGOMERY PLANNING DEPARTMENT
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
APPROVED - 42021029E
Stephen Peck (stephen.peck@montgomeryplanning.org)
09/28/20

LEGEND

- 290 — MAJOR CONTOUR
- MINOR CONTOUR
- PROPERTY LINE
- EXISTING PAVEMENT
- EXISTING BUILDING
- EXISTING WOOD FENCE
- EXISTING YARD INLET
- EXISTING BOLLARD
- OHU — EXISTING OVERHEAD UTILITY
- W — EXISTING UNDERGROUND WATER LINE
- OHE — EXISTING OVERHEAD ELECTRIC UTILITY
- 6A — SOIL TYPE
- SOIL BOUNDARY
- T## — EXISTING TREE
- T## — EXISTING SPECIMEN TREE
- SLOPE >25%
- SLOPE BETWEEN 15-25% ON ERODIBLE SOILS
- STREAM
- SB — STREAM BUFFER
- FOREST
- TREE STAND/TREE CANOPY
- EXISTING CURB
- EXISTING SIGN
- EXISTING BOULDER
- EXISTING GATE ARM
- EXISTING LIGHT
- BRL — BUILDING RESTRICTION LINE
- FP — FLOODPLAIN
- CRITICAL ROOT ZONE
- TREE TO BE REMOVED
- FOREST TO REMAIN
- FOREST TO BE REMOVED
- TREE STAND TO REMAIN
- TREE STAND TO BE REMOVED
- TPF — TREE PROTECTION FENCE
- TEMPORARY TREE PROTECTION SIGNAGE
- TRUNK PROTECTION
- LOD — LIMITS OF DISTURBANCE

THIS PLAN IS FOR TREE PROTECTION ONLY



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CONSULTANTS

STATE OF MARYLAND — ANDREW EUGENE STREBLE — No. 3801 — LANDSCAPE ARCHITECT
08/04/2020

LANDON SCHOOL

6101 WILSON LANE
BETHESDA, MD 20817

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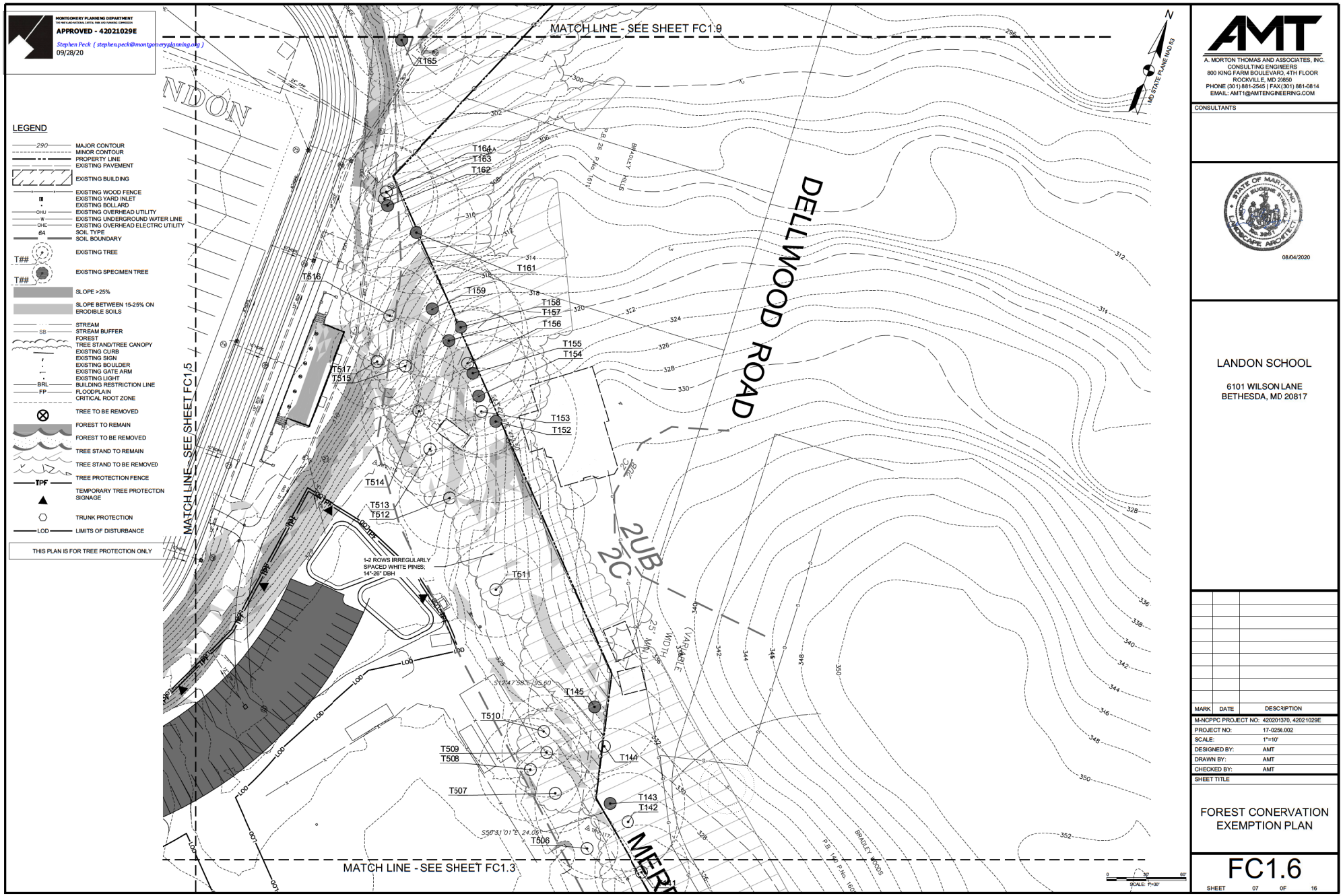
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

FOREST CONSERVATION EXEMPTION PLAN

FC1.5

SHEET 06 OF 16



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CONSULTANTS

08/04/2020

LANDON SCHOOL

6101 WILSON LANE
BETHESDA, MD 20817

MARK	DATE	DESCRIPTION

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PROJECT NO:	17-0258.002
SCALE:	1"=10'
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

FOREST CONERVATION EXEMPTION PLAN

FC1.6

SHEET 07 OF 16


MONTGOMERY PLANNING DEPARTMENT
APPROVED - 42021029E
Stephen Peck (stephen.peck@montgomeryplanning.org)
09/28/20
LEGEND
MAJOR CONTOUR
MINOR CONTOUR
PROPERTY LINE
EXISTING PAVEMENT
EXISTING BUILDING
EXISTING WOOD FENCE
EXISTING YARD INLET
EXISTING BOLLARD
EXISTING OVERHEAD UTILITY
EXISTING UNDERGROUND WATER LINE
EXISTING OVERHEAD ELECTRIC UTILITY
SOIL TYPE
SOIL BOUNDARY
EXISTING TREE
EXISTING SPECIMEN TREE
SLOPE >25%
SLOPE BETWEEN 15-25% ON ERODIBLE SOILS
STREAM
STREAM BUFFER
FOREST
TREE STAND/TREE CANOPY
EXISTING CURB
EXISTING SIGN
EXISTING BOULDER
EXISTING GATE ARM
EXISTING LIGHT
BUILDING RESTRICTION LINE
FLOODPLAIN
CRITICAL ROOT ZONE
TREE TO BE REMOVED
FOREST TO REMAIN
FOREST TO BE REMOVED
TREE STAND TO REMAIN
TREE STAND TO BE REMOVED
TREE PROTECTION FENCE
TEMPORARY TREE PROTECTON SIGNAGE
TRUNK PROTECTION
LIMITS OF DISTURBANCE
THIS PLAN IS FOR TREE PROTECTION ONLY
MATCH LINE - SEE SHEET FC1.10
MATCH LINE - SEE SHEET FC1.8
MATCH LINE - SEE SHEET FC1.4
BLVD
264 SQUARE FEET FOREST REMOVED
272 SQUARE FEET FOREST REMOVED
2,093 SQUARE FEET FOREST REMOVED
MD STATE PLANE NAD 83
SCALE: 1"=30'
A. MORTON THOMAS AND ASSOCIATES, INC.
CONSULTING ENGINEERS
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CONSULTANTS
08/04/2020
LANDON SCHOOL
6101 WILSON LANE
BETHESDA, MD 20817
MARK DATE DESCRIPTION
M-NCPPC PROJECT NO: 420201370, 42021029E
PROJECT NO: 17-0258.002
SCALE: 1"=10'
DESIGNED BY: AMT
DRAWN BY: AMT
CHECKED BY: AMT
SHEET TITLE
FOREST CONERVATION EXEMPTION PLAN
FC1.7
SHEET 08 OF 16


MONTGOMERY PLANNING DEPARTMENT
APPROVED - 42021029E
Stephen Peck (stephen.peck@montgomeryplanning.org)
09/28/20
LEGEND
MAJOR CONTOUR
MINOR CONTOUR
PROPERTY LINE
EXISTING PAVEMENT
EXISTING BUILDING
EXISTING WOOD FENCE
EXISTING YARD INLET
EXISTING BOLLARD
EXISTING OVERHEAD UTILITY
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SOIL TYPE
SOIL BOUNDARY
EXISTING TREE
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TREE STAND/TREE CANOPY
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FOREST TO REMAIN
FOREST TO BE REMOVED
TREE STAND TO REMAIN
TREE STAND TO BE REMOVED
TREE PROTECTION FENCE
TEMPORARY TREE PROTECTON SIGNAGE
TRUNK PROTECTION
LIMITS OF DISTURBANCE
THIS PLAN IS FOR TREE PROTECTION ONLY
MATCH LINE - SEE SHEET FC1.7
MATCH LINE - SEE SHEET FC1.9
MATCH LINE - SEE SHEET FC1.8
MD STATE PLANE NAD 83
SCALE: 1"=30'
AMT
A. MORTON THOMAS AND ASSOCIATES, INC.
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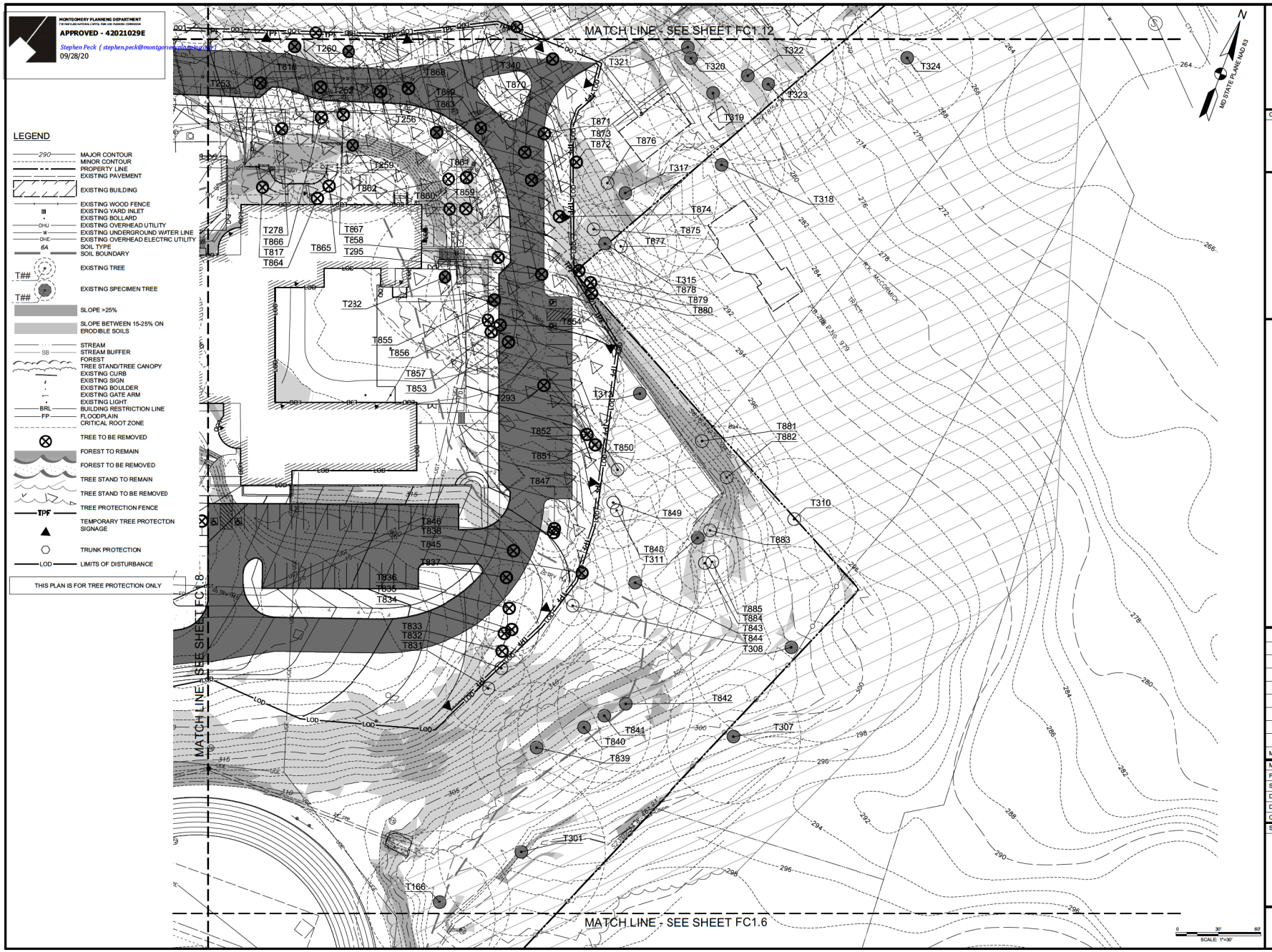
EMAIL: AMT1@AMTENGINEERING.COM
CONSULTANTS
STATE OF MARYLAND
08/04/2020
LANDON SCHOOL
6101 WILSON LANE
BETHESDA, MD 20817
MARK
DATE
DESCRIPTION
M-NCPPC PROJECT NO: 420201370, 42021029E
PROJECT NO: 17-0258.002
SCALE: 1"=10'
DESIGNED BY: AMT
DRAWN BY: AMT
CHECKED BY: AMT
SHEET TITLE
FOREST CONERVATION EXEMPTION PLAN
FC1.8
SHEET 09 OF 16



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CONSULTANTS

08/04/2020

LANDON SCHOOL

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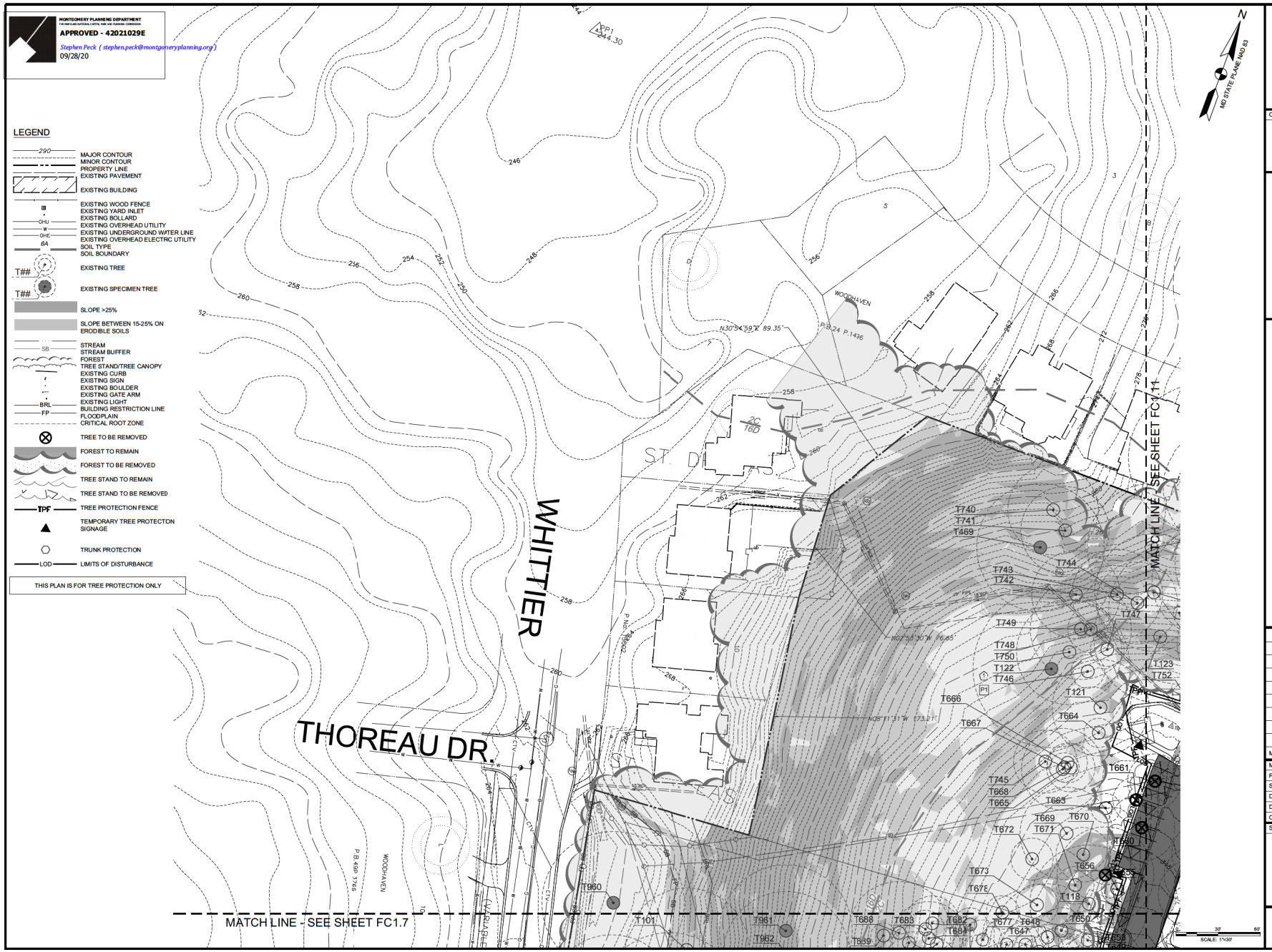
CHECKED BY:	AMT
SHEET TITLE	

FOREST CONERVATION EXEMPTION PLAN

FC1.9

SHEET 10 OF 16



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CONSULTANTS

08/04/2020

LANDON SCHOOL

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BETHESDA, MD 20817

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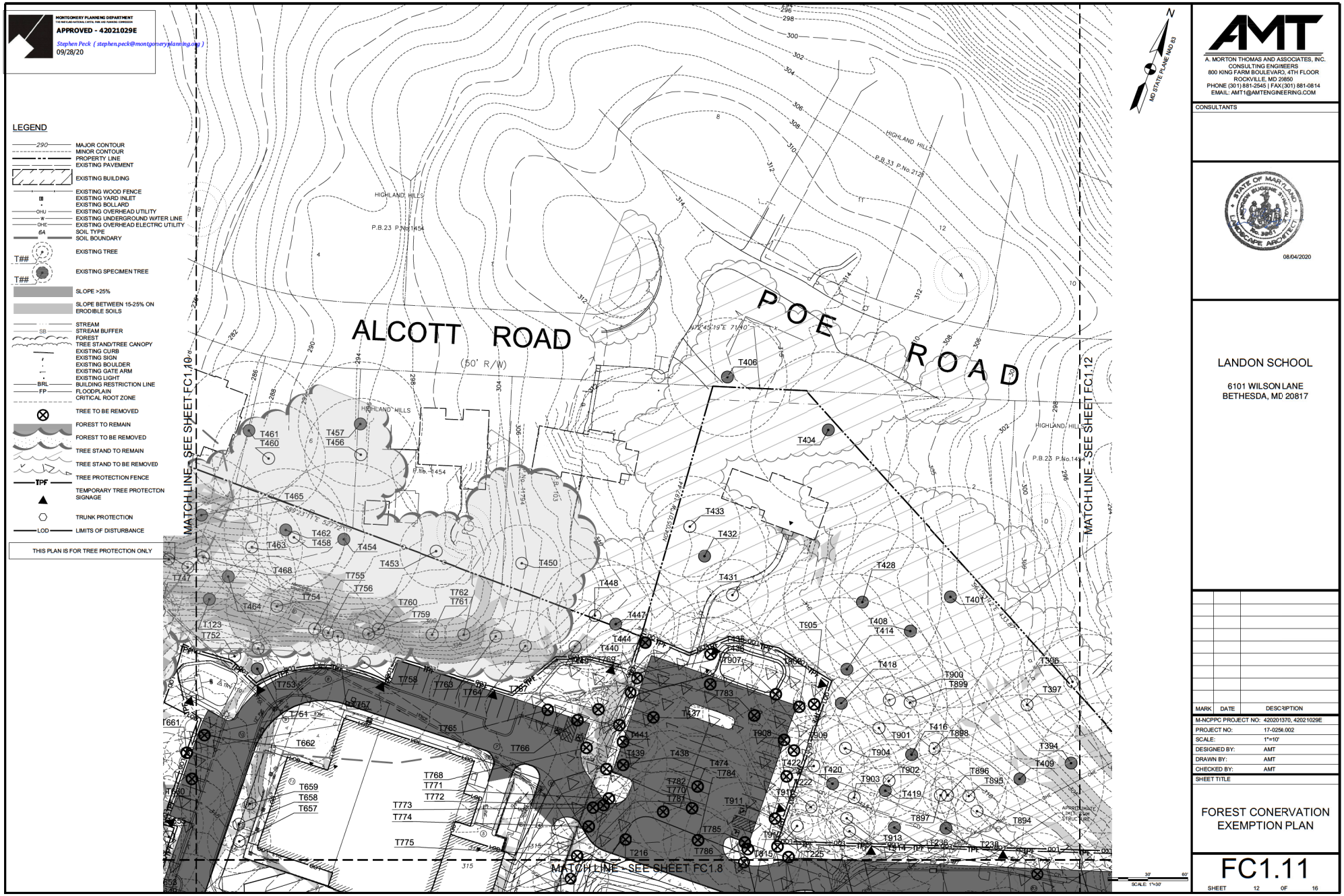
CHECKED BY:	AMT
SHEET TITLE	

FOREST CONERVATION EXEMPTION PLAN

FC1.10

SHEET 11 OF 16


MONTGOMERY PLANNING DEPARTMENT
APPROVED - 42021029E
Stephen Peck (stephen.peck@montgomeryplanning.org)
09/28/20
LEGEND
MAJOR CONTOUR
MINOR CONTOUR
PROPERTY LINE
EXISTING PAVEMENT
EXISTING BUILDING
EXISTING WOOD FENCE
EXISTING YARD INLET
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SLOPE BETWEEN 15-25% ON ERODIBLE SOILS
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TREE TO BE REMOVED
FOREST TO REMAIN
FOREST TO BE REMOVED
TREE STAND TO REMAIN
TREE STAND TO BE REMOVED
TREE PROTECTION FENCE
TEMPORARY TREE PROTECTON SIGNAGE
TRUNK PROTECTION
LIMITS OF DISTURBANCE
THIS PLAN IS FOR TREE PROTECTION ONLY
ALCOTT ROAD
(50' R/W)
POE ROAD
HIGHLAND HILLS
MATCH LINE - SEE SHEET FC1.10
MATCH LINE - SEE SHEET FC1.12
MATCH LINE - SEE SHEET FC1.8
MD STATE PLANE NAD 83
SCALE: 1"=30'
A. MORTON THOMAS AND ASSOCIATES, INC.
CONSULTING ENGINEERS
800 KING FARM BOULEVARD, 4TH FLOOR
ROCKVILLE, MD 20850
PHONE (301) 881-2545 | FAX (301) 881-0814
EMAIL: AMT1@AMTENGINEERING.COM
CONSULTANTS
08/04/2020
LANDON SCHOOL
6101 WILSON LANE
BETHESDA, MD 20817
MARK DATE DESCRIPTION
M-NCPPC PROJECT NO: 420201370, 42021029E
PROJECT NO: 17-0258.002
SCALE: 1"=10'
DESIGNED BY: AMT
DRAWN BY: AMT
CHECKED BY: AMT
SHEET TITLE
FOREST CONERVATION EXEMPTION PLAN
FC1.11
SHEET 12 OF 16

A. MORTON THOMAS AND ASSOCIATES, INC.
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EMAIL: AMT1@AMTENGINEERING.COM

CONSULTANTS

08/04/2020

LANDON SCHOOL

6101 WILSON LANE
BETHESDA, MD 20817

MARK	DATE	DESCRIPTION

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PROJECT NO:	17-0258.002
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DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT
SHEET TITLE	

FOREST CONERVATION EXEMPTION PLAN

FC1.12

SHEET 13 OF 16

MONTGOMERY PLANNING DEPARTMENT
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION

APPROVED - 42021029E

Stephen Peck (stephen.peck@montgomeryplanning.org)
09/28/20

SPECIMEN TREE TABLE

NO.	COMMON NAME	SCIENTIFIC NAME	D.B.H (INCHES)	CRZ RADIUS (FEET)	CONDITION RATING	CONDITION COMMENTS
T1	Silver maple	Acer saccharinum	23	34.50	AVG.	Limited soil volume, pruned/removed leaders
T2	Silver maple	Acer saccharinum	18	27.00	POOR	Limited soil volume, pruned/removed leaders, fruiting bodies
T3	Silver maple	Acer saccharinum	22	33.00	AVG.	Limited soil volume, pruned/removed leaders
T4	Silver maple	Acer saccharinum	22	33.00	AVG.	Limited soil volume, pruned/removed leaders
T5	Silver maple	Acer saccharinum	23.5	35.25	AVG.	Limited soil volume, pruned/removed leaders
T6	Silver maple	Acer saccharinum	30	45.00	AVG.	Limited soil volume, pruned/removed leaders
T7	Silver maple	Acer saccharinum	35	52.50	AVG/POOR	Limited soil volume, pruned/removed leaders
T8	Silver maple	Acer saccharinum	37	55.50	AVG.	Limited soil volume, pruned/removed leaders
T9	Silver maple	Acer saccharinum	32.5	48.75	AVG.	Limited soil volume, pruned/removed leaders
T10	Silver maple	Acer saccharinum	38.5	57.75	AVG/POOR	Limited soil volume, pruned/removed leaders
T11	Silver maple	Acer saccharinum	30.5	45.75	AVG.	Limited soil volume, pruned/removed leaders
T12	Silver maple	Acer saccharinum	24	36.00	AVG.	Limited soil volume, pruned/removed leaders, English ivy on trunk
T13	Silver maple	Acer saccharinum	28.5	42.75	POOR	Limited soil volume, pruned/removed leaders
T14 has been removed since previously completed tree survey.						
T15	Silver maple	Acer saccharinum	24.5	36.75	AVG/POOR	Limited soil volume, pruned/removed leaders
T16	Silver maple	Acer saccharinum	25	37.50	AVG.	Limited soil volume, pruned/removed leaders
T17	Silver maple	Acer saccharinum	22	33.00	AVG.	Limited soil volume, pruned/removed leaders
T18	Silver maple	Acer saccharinum	27	40.50	AVG/POOR	Limited soil volume, pruned/removed leaders
T19	Silver maple	Acer saccharinum	29.5	44.25	AVG/POOR	Limited soil volume, pruned/removed leaders
T20 has been removed since previously completed tree survey.						
T21	Red maple	Acer rubrum	36	54.00	AVG.	Limited soil volume on one side, mower damage to surface roots
T22	Red maple	Acer rubrum	41	61.50	AVG.	Limited soil volume on one side, mower damage to surface roots, large wound
T23 & T24 have been removed since previously completed tree survey.						
T25	Black walnut	Juglans nigra	23	34.50	AVG.	Broken limbs
T26 has been removed since previously completed tree survey.						
T27	Silver maple	Acer saccharinum	60.5	90.75	GOOD/AVG.	Removed limbs, electrical boxes on side
T28	American elm	Ulmus americana	56.5	84.75	GOOD/AVG.	Probably U. japonica or x hollandica
T29	Black walnut	Juglans nigra	21	31.50	GOOD	
T30-T52 have been removed since previously completed tree survey.						
T53	White oak	Quercus alba	31	46.50	GOOD/AVG.	
T54	White oak	Quercus alba	39.5	59.25	GOOD/AVG.	English ivy on trunk, growing against roof gutter
T55	White oak	Quercus alba	57	85.50	GOOD/AVG.	English ivy on trunk
T56 & T57 have been removed since previously completed tree survey.						
T58	Norway maple	Acer platanoides	29	43.50	AVG.	Removed branches, on slope
T59-T62 have been removed since previously completed tree survey.						
T63	White oak	Quercus alba	29	43.50	AVG.	Leaning, broken limbs, small canopy
T64 has been removed since previously completed tree survey.						
T65	White oak	Quercus alba	30.5	45.75	GOOD/AVG.	Poison ivy on trunk
T66	American beech	Fagus grandifolia	29	43.50	GOOD	
T67-T69 have been removed since previously completed tree survey.						
T70	White oak	Quercus alba	28	42.00	AVG.	Poison ivy and English ivy on trunk
T71 & T73 have been removed since previously completed tree survey.						
T72 & T74 were unable to be located on the previously completed tree survey.						
T75	Northern red oak	Quercus rubra	46	69.00	GOOD/AVG.	
T76 was unable to be located on the previously completed tree survey.						
T77	White oak	Quercus alba	30	45.00	GOOD/AVG.	Limited soil volume, small canopy
T78	White oak	Quercus alba	21	31.50	GOOD/AVG.	Mislabeled on previous NRI as red oak, English ivy on trunk
T79 has been removed since previously completed tree survey.						
T80	White oak	Quercus alba	23	34.50	GOOD	
T81	White oak	Quercus alba	25.5	38.25	GOOD/AVG.	Poison ivy, English ivy on trunk
T82 & T83 have been removed since previously completed tree survey.						
T84	Sycamore	Platanus occidentalis	25	37.50	GOOD/AVG.	
T85	Southern magnolia	Magnolia grandiflora	22.5	33.75	AVG.	Removed branches
T86 has been removed since previously completed tree survey.						
T87	Littleleaf linden	Tilia cordata	31	46.50	AVG.	Epicormic growth
T88	Littleleaf linden	Tilia cordata	29	43.50	AVG.	Epicormic growth
T89	Pignut hickory	Carya glabra	27.5	41.25	AVG.	Adjacent to road, concrete pad, tennis courts
T90-T92 were unable to be located on the previously completed tree survey.						
T93	Scarlet oak	Quercus coccinea	31	46.50	GOOD/AVG.	Leaning, on steep slope, adjacent to asphalt on one side
T94 & T95 were unable to be located on the previously completed tree survey.						
T96	Northern red oak	Quercus rubra	30	45.00	GOOD/AVG.	English ivy on trunk
T97	Northern red oak	Quercus rubra	25.5	38.25	GOOD/AVG.	In amphitheater
T98 & T99 were unable to be located on the previously completed tree survey.						
T100	White oak	Quercus alba	46	69.00	GOOD/AVG.	Memorial plaque on trunk, removed limbs
T101	White oak	Quercus alba	29.5	44.25	GOOD/AVG.	
T102 has been removed since previously completed tree survey.						
T103	Northern red oak	Quercus rubra	33	49.50	GOOD/AVG.	Adjacent to stairs, minor dieback
T104	Willow oak	Quercus phellos	17.5	26.25	GOOD/AVG.	Limited soil volume
T105	Willow oak	Quercus phellos	20	30.00	GOOD/AVG.	Limited soil volume
T106	White oak	Quercus alba	34	51.00	GOOD/AVG.	Mislabeled on previous NRI as red oak, codominant leaders (26.5, 20.5), adjacent to asphalt drop off
T107	White oak	Quercus alba	22.5	33.75	GOOD/AVG.	Adjacent to asphalt drop off
T108 & T109 have been removed since previously completed tree survey.						
T110	White oak	Quercus alba	21	31.50	GOOD/AVG.	Adjacent to asphalt paving, leaning over roadway
T111 has been removed since previously completed tree survey.						
T112	Pignut hickory	Carya glabra	19	28.50	GOOD/AVG.	Girdled roots, small canopy
T113	White oak	Quercus alba	26.5	39.75	GOOD/AVG.	Vines on trunk, mower damage to surface roots
T114	White oak	Quercus alba	45	67.50	GOOD/AVG.	Codominant leaders (25, 21, 31), mower damage to surface roots, English ivy on trunk
T115	White oak	Quercus alba	24	36.00	GOOD/AVG.	Mower damage to surface roots
T116 has been removed since previously completed tree survey.						
T117	White oak	Quercus alba	27	40.50	GOOD/AVG.	Mower damage to surface roots
T118	Tulip poplar	Liriodendron tulipifera	28	42.00	GOOD/AVG.	English ivy on trunk, concrete pad on front, rock pile behind it
T119	Tulip poplar	Liriodendron tulipifera	30	45.00	AVG.	Poor form, removed leaders
T120 has been removed since previously completed tree survey.						
T121	White oak	Quercus alba	23	34.50	GOOD/AVG.	Epicormic growth
T122	White oak	Quercus alba	37.5	56.25	GOOD	
T123	White oak	Quercus alba	31.5	47.25	GOOD	
T124-T126 have been removed since previously completed tree survey.						
T127	Tulip poplar	Liriodendron tulipifera	36	54.00	AVG.	Wound on trunk, large branches removed
T128	American holly	Ilex opaca	26	39.00	AVG.	Limbed up, water sprouts, ivy on trunk
T129	White ash	Fraxinus americana	43.5	65.25	POOR	Leader removed
T130 has been removed since previously completed tree survey.						
T131	Tulip poplar	Liriodendron tulipifera	68	102.00	GOOD/AVG.	Did not flag
T132 has been removed since previously completed tree survey.						
T133	Black walnut	Juglans nigra	29	43.50	AVG/POOR	English ivy on trunk and crown, few small branches
T134-T135 have been removed since previously completed tree survey.						
T136	Black walnut	Juglans nigra	26	39.00	AVG.	Limited soil volume
T137	Black walnut	Juglans nigra	31	46.50	AVG.	Limited soil volume, wound at base of trunk
T138	Northern red oak	Quercus rubra	31	46.50	AVG.	Did not flag, some dieback
T139-T140 have been removed since previously completed tree survey.						
T141	Black walnut	Juglans nigra	24	36.00	AVG.	Vines on trunk, limited soil volume, did not flag
T142	Sycamore	Platanus occidentalis	25	37.50	AVG.	Vines on trunk, limited soil volume, did not flag
T143	White oak	Quercus alba	38	57.00	AVG.	Vines on trunk, limited soil volume, did not flag
T144						Standing dead
T145	Northern red oak	Quercus rubra	33.5	50.25	GOOD/AVG.	Leaning, English ivy, did not flag
T146-T151 have been removed since previously completed tree survey.						
T152	Northern red oak	Quercus rubra	41	61.50	GOOD/AVG.	English ivy on trunk
T153	Northern red oak	Quercus rubra	22	33.00	GOOD/AVG.	Leaning
T154	Tulip poplar	Liriodendron tulipifera	31	46.50	GOOD/AVG.	English ivy on trunk, white oak growing extremely adjacent
T155	Tulip poplar	Liriodendron tulipifera	32	48.00	GOOD/AVG.	English ivy on trunk
T156	Tulip poplar	Liriodendron tulipifera	29	43.50	GOOD/AVG.	English ivy on trunk
T157	Northern red oak	Quercus rubra	40.5	60.75	GOOD/AVG.	
T158	Tulip poplar	Liriodendron tulipifera	31	46.50	AVG.	English ivy on trunk, small canopy
T159	Northern red oak	Quercus rubra	34.5	51.75	GOOD/AVG.	English ivy on trunk
T160 has been removed since previously completed tree survey.						
T161	Northern red oak	Quercus rubra	31	46.50	GOOD/AVG.	English ivy on trunk, leaning
T162	Tulip poplar	Liriodendron tulipifera	36.5	54.75	AVG.	Broken limbs, English ivy on trunk
T163	Tulip poplar	Liriodendron tulipifera	27	40.50	AVG.	Broken limbs, English ivy on trunk
T164	Tulip poplar	Liriodendron tulipifera	24	36.00	AVG.	Broken limbs, English ivy on trunk
T165	Tulip poplar	Liriodendron tulipifera	33	49.50	AVG.	English ivy on trunk
T166	Black walnut	Juglans nigra	34	51.00	GOOD/AVG.	English ivy on trunk
T167-T183 were unabe to be located on the previously completed tree survey.						
T184	Atlantic white cedar	Chamaecyparis thyoides	30	45.00	AVG.	Broken branches, removed limbs
T185	Atlantic white cedar	Chamaecyparis thyoides	27.5	41.25	AVG.	Broken branches, removed limbs
T186	Atlantic white cedar	Chamaecyparis thyoides	29.5	44.25	AVG.	Broken branches, removed limbs
T187-T194 were unabe to be located on the previously completed tree survey.						
T195	Willow oak	Quercus phellos	42.5	63.75	AVG.	Adjacent to asphalt drop off, wounds at base, removed leader
T196	Eastern red cedar	Juniperus virginiana	27	40.50	AVG.	Adjacent to asphalt drop off
T197, T198, T200, T202, & T203 were unable to be located on the previously completed tree survey.						
T199, T201, T204, & T205 have been removed since previously completed tree survey.						
T206	Northern red oak	Quercus rubra	26	39.00	AVG.	Limited soil volume
T207	Northern red oak	Quercus rubra	36.5	54.75	AVG.	Limited soil volume
T208, T210, T211, & T213-T215 were unable to be located on the previously completed tree survey.						
T209 & T212 have seen removed since previously completed tree survey.						
T216	White oak	Quercus alba	23.5	35.25	AVG.	Wound at base, small canopy, limited soil volume
T217	Tulip poplar	Liriodendron tulipifera	26	39.00	AVG.	Wound at base, small canopy, limited soil volume
T218 has been removed since previously completed tree survey.						
T219	White oak	Quercus alba	28	42.00	AVG.	Wound at base, small canopy, limited soil volume
T220 & T221 were unable to be located on the previously completed tree survey.						
T222	White oak	Quercus alba	20	30.00	GOOD/AVG.	Parking lot in CRZ
T223 has been removed since previously completed tree survey.						
T224 was unable to be located on the previously completed tree survey.						
T225	Northern red oak	Quercus rubra	27.5	41.25	GOOD/AVG.	
T226, T228, T229, & T232 have been removed since previously completed tree survey.						
T227, T230, T231, & T233-T235 were unable to be located on the previously completed tree survey.						
T236	White oak	Quercus alba	32	48.00	GOOD/AVG.	
T237 was unable to be located on the previously completed tree survey.						
T238	Tulip poplar	Liriodendron tulipifera	39	58.50	AVG.	English ivy on trunk, removed leaders
T239 & T241 were unable to be located on the previously completed tree survey.						
T240 has been removed since previously completed tree survey.						
T242	American beech	Fagus grandifolia	21	31.50	AVG.	Roadway in CRZ, some dieback
T243-T249 were unabe to be located on the previously completed tree survey.						
T250-T251 have been removed since previously completed tree survey.						
T252	Tulip poplar	Liriodendron tulipifera	29	43.50	AVG.	Limited soil volume, small canopy
T253	Tulip poplar	Liriodendron tulipifera	34.5	51.75	AVG.	English ivy on trunk, pipe sticking out o upper trunk
T254	Tulip poplar	Liriodendron tulipifera	35	52.50	AVG.	English ivy on trunk
T255 was unable to be located on the previously completed tree survey.						
T255		#N/A		0.00		Not on plan
T256	Tulip poplar	Liriodendron tulipifera	23	34.50	AVG.	Limited soil volume, small canopy
T257 & T258 were unable to be located on the previously completed tree survey.						
T257		#N/A		0.00		Not on plan
T258		#N/A		0.00		Not on plan
T259	Tulip poplar	Liriodendron tulipifera	37.5	56.25	GOOD/AVG.	English ivy on trunk
T260	Tulip poplar	Liriodendron tulipifera	38	57.00	AVG.	English ivy on trunk, small canopy
T261 & T273 have been removed since previously completed tree survey.						
T262-T272 & T274-T277 were unable to be located on the previously completed tree survey.						
T278	Mockernut hickory	Carya tomentosa	22.5	33.75	GOOD/AVG.	Limited soil volume
T279 & T281 were unable to be located on the previously completed tree survey.						
T280 has been removed since previously completed tree survey.						
T282	White oak	Quercus alba	35	52.50	AVG.	Leaning, pruned large branches, timber wall in CRZ
T283-T291 were unable to be located on the previously completed tree survey.						
T292 has been removed since previously completed tree survey.						
T293	Tulip poplar	Liriodendron tulipifera	38	57.00	GOOD/AVG.	Gravel parking lot in CRZ, lighting attached to tree, English ivy on trunk
T294 has been removed since previously completed tree survey.						
T295	Tulip poplar	Liriodendron tulipifera	45	67.50	GOOD/AVG.	Codominant leaders (33.5, 30); road and parking in CRZ, English ivy on trunk
T296-T298 were unable to be located on the previously completed tree survey.						
T299-T300 have been removed since previously completed tree survey.						
T301	Tulip poplar	Liriodendron tulipifera	40	60.00	GOOD/AVG.	On bank
T302-T306 have been removed since previously completed tree survey.						
T307	Tulip poplar	Liriodendron tulipifera	32	48.00	GOOD/AVG.	Leaning, off property
T308	Tulip poplar	Liriodendron tulipifera	48	72.00	GOOD/AVG.	Vines on trunk
T309 has been removed since previously completed tree survey.						
T310	Northern red oak	Quercus rubra	29	43.50	AVG/POOR	Off property, vines on trunk, in decline
T311	Tulip poplar	Liriodendron tulipifera	33.5	50.25	AVG.	Parking in CRZ
T312 has been removed since previously completed tree survey.						
T313	Northern red oak	Quercus rubra	31.5	47.25	AVG.	Parking in CRZ, lighting equipment attached
T314 has been removed since previously completed tree survey.						
T315	Tulip poplar	Liriodendron tulipifera	34.5	51.75	GOOD	English ivy on trunk
T316 has been removed since previously completed tree survey.						
T317	Tulip poplar	Liriodendron tulipifera	44	66.00	GOOD	English ivy on trunk
T318	White oak	Quercus alba	30	45.00	AVG.	Off property, vines on trunk, not flagged
T319	Tulip poplar	Liriodendron tulipifera	33	49.50	GOOD/AVG.	Vines on trunk
T320	Tulip poplar	Liriodendron tulipifera	41	61.50	GOOD/AVG.	Vines on trunk
T321	American beech	Fagus grandifolia	30	45.00	GOOD/AVG.	Vines on trunk
T322	Tulip poplar	Liriodendron tulipifera	42.5	63.75	GOOD/AVG.	Vines on trunk
T323	Tulip poplar	Liriodendron tulipifera	36.5	54.75	GOOD/AVG.	Vines on trunk
T324	American beech	Fagus grandifolia	31	46.50	GOOD/AVG.	Off property, not flagged
T325	American beech	Fagus grandifolia	31	46.50	GOOD/AVG.	Off property, not flagged
T326	Tulip poplar	Liriodendron tulipifera	28	42.00	GOOD/AVG.	Off property, not flagged
T327	White oak	Quercus alba	30	45.00	GOOD/AVG.	Off property, vines on trunk, not flagged
T328	White oak	Quercus alba	34.5	51.75	GOOD/AVG.	Vines on trunk
T329 has been removed since previously completed tree survey.						
T330	Tulip poplar	Liriodendron tulipifera	27	40.50	GOOD/AVG.	Vines on trunk
T331	Tulip poplar	Liriodendron tulipifera	28	42.00	GOOD/AVG.	Electrical box on trunk, vines on trunk
T332 has been removed since previously completed tree survey.						
T333	White oak	Quercus alba	27.5	41.25	AVG.	Limited soil volume
T334 has been removed since previously completed tree survey.						
T335	White oak	Quercus alba	26.5	39.75	AVG.	Limited soil volume
T336	White oak	Quercus alba	34.5	51.75	AVG.	Limited soil volume
T337 has been removed since previously completed tree survey.						
T338	White oak	Quercus alba	25.5	38.25	AVG.	Limited soil volume
T339 has been removed since previously completed tree survey.						
T340	Tulip poplar	Liriodendron tulipifera	37	55.50	AVG.	English ivy on trunk
T341 has been removed since previously completed tree survey.						
T342	Tulip poplar	Liriodendron tulipifera	42	63.00	AVG.	English ivy on trunk
T343 & T344 have been removed since previously completed tree survey.						
T345	Tulip poplar	Liriodendron tulipifera	33	49.50	AVG.	Vines on trunk
T346 has been removed since previously completed tree survey.						
T346		#N/A		0.00		Removed
T347	White oak	Quercus alba	32	48.00	GOOD/AVG.	Driveway in CRZ
T348	American beech	Fagus grandifolia	20.5	30.75	GOOD/AVG.	Driveway in CRZ
T349	White oak	Quercus alba	36	54.00	GOOD/AVG.	Vines on trunk
T350 has been removed since previously completed tree survey.						
T351	American beech	Fagus grandifolia	27	40.50	GOOD/AVG.	Vines on trunk
T352 has been removed since previously completed tree survey.						
T353	Tulip poplar	Liriodendron tulipifera	27	40.50	AVG.	Vines on trunk
T354	American beech	Fagus grandifolia	24.5	36.75	GOOD/AVG.	Vines on trunk
T355 has been removed since previously completed tree survey.						
T356	White oak	Quercus alba	39	58.50	AVG.	Poor form, vines on trunk
T357	American beech	Fagus grandifolia	26	39.00	AVG.	Vines on trunk
T358 has been removed since previously completed tree survey.						
T359	Tulip poplar	Liriodendron tulipifera	32.5	48.75	AVG.	Vines on trunk
T360	Tulip poplar	Liriodendron tulipifera	28.5	42.75	AVG.	Vines on trunk
T361	Tulip poplar	Liriodendron tulipifera	30.5	45.75	AVG.	Vines on trunk
T362 has been removed since previously completed tree survey.						
T363	Tulip poplar	Liriodendron tulipifera	34.5	51.75	AVG.	Vines on trunk
T364	Northern red oak	Quercus rubra	27.5	41.25	AVG.	Vines on trunk, leanig
T365-T368 have been removed since previously completed tree survey.						
T369	Pignut hickory	Carya glabra	27	40.50	AVG/POOR	Broken leader
T370	Tulip poplar	Liriodendron tulipifera	31	46.50	GOOD/AVG.	
T371	Tulip poplar	Liriodendron tulipifera	27	40.50	GOOD/AVG.	
T372	Northern red oak	Quercus rubra	33	49.50	GOOD/AVG.	
T373	American beech	Fagus grandifolia	31	46.50	GOOD	Plaque on trunk
T374	Pignut hickory	Carya glabra	25	37.50	GOOD	
T375 has been removed since previously completed tree survey.						
T376	White oak	Quercus alba	40.5	60.75	GOOD/AVG.	Vines on trunk
T377	Tulip poplar	Liriodendron tulipifera	40	60.00	GOOD	Parking in CRZ
T378	Tulip poplar	Liriodendron tulipifera	33.5	50.25	GOOD	Parking in CRZ
T379 has been removed since previously completed tree survey.						
T380	American beech	Fagus grandifolia	27.5	41.25	GOOD	Retaining wall in CRZ
T381	Pignut hickory	Carya glabra	28.5	42.75	GOOD	
T382	Pignut hickory	Carya glabra	31	46.50	GOOD/AVG.	Vines on trunk, on embankment
T383 has been removed since previously completed tree survey.						
T384	Tulip poplar	Liriodendron tulipifera	43	64.50	GOOD/AVG.	Vines on trunk, stone wall in CRZ
T385 & T386 have been removed since previously completed tree survey.						
T387	Tulip poplar	Liriodendron tulipifera	38	57.00	AVG.	Roadway in CRZ, vines on trunk
T388	Tulip poplar	Liriodendron tulipifera	28	42.00	GOOD/AVG.	Vines on trunk
T389 has been removed since previously completed tree survey.						
T390	Japanese pagodatree	Sophora japonica	17	25.50	GOOD	Plaque at base
T391	White oak	Quercus alba	25	37.50	AVG/POOR	Vines on trunk, lost limbs
T392	American beech	Fagus grandifolia	33	49.50	GOOD/AVG.	Leaning, vines on trunk
T393 has been removed since previously completed tree survey.						
T394	Tulip poplar	Liriodendron tulipifera	51	76.50	GOOD	Vines on trunk
T395	American beech	Fagus grandifolia	31	46.50	GOOD/AVG.	Vines on trunk, light attached
T396	American beech	Fagus grandifolia	27.5	41.25	GOOD	Vines on trunk
T397	American beech	Fagus grandifolia	27.5	41.25	GOOD	Vines on trunk, light attached
T398-T400 have been removed since previously completed tree survey.						
T408	Tulip poplar	Liriodendron tulipifera	42.5	63.75	GOOD/AVG.	Vines on trunk
T402 & T403 have been removed since previously completed tree survey.						
T404	Tulip poplar	Liriodendron tulipifera	39.5	59.25	AVG.	Vines on trunk
T405 has been removed since previously completed tree survey.						
T406	White oak	Quercus alba	30	45.00	GOOD	Not flagged, off property
T407 has been removed since previously completed tree survey.						
T401	Tulip poplar	Liriodendron tulipifera	56	84.00	GOOD	Vines on trunk
T409	Tulip poplar	Liriodendron tulipifera	42.5	63.75	GOOD/AVG.	Vines on trunk
T410-T413 have been removed since previously completed tree survey.						
T414	Tulip poplar	Liriodendron tulipifera	48.5	72.75	GOOD	Vines on trunk
T415 has been removed since previously completed tree survey.						
T416	Tulip poplar	Liriodendron tulipifera	50.5	75.75	GOOD	Vines on trunk
T417 has been removed since previously completed tree survey.						
T418	Tulip poplar	Liriodendron tulipifera	53.5	80.25	GOOD/AVG.	Vines on trunk, callouses on limbs
T419	White oak	Quercus alba	34	51.00	GOOD	
T420	White oak	Quercus alba	34.5	51.75	GOOD	
T421 has been removed since previously completed tree survey.						
T422	White oak	Quercus alba	25.5	38.25	GOOD	
T423-T427 have been removed since previously completed tree survey.						
T428	Northern red oak	Quercus rubra	40	60.00	GOOD/AVG.	Vines on trunk
T429 & T430 have been removed since previously completed tree survey.						
T431	Pignut hickory	Carya glabra	18	27.00	GOOD/AVG.	Callous around trunk about 40' up
T432	Tulip poplar	Liriodendron tulipifera	31.5	47.25	AVG.	Fungus at base, calloused
T433	Tulip poplar	Liriodendron tulipifera	25.5	38.25	AVG.	Poor form, pruned leader, vines on trunk
T434 has been removed since previously completed tree survey.						
T434		#N/A		0.00		Removed
T435	Northern red oak	Quercus rubra	27	40.50	GOOD/AVG.	Vines on trunk
T436	Northern red oak	Quercus rubra	34	51.00	GOOD/AVG.	Vines on trunk
T437	White oak	Quercus alba	28	42.00	AVG.	In parking lot
T438	Northern red oak	Quercus rubra	22.5	33.75	AVG.	In parking lot
T439	White oak	Quercus alba	18	27.00	AVG.	In parking lot, epicormic growth
T440	White oak	Quercus alba	25	37.50	AVG.	On edge of parking lot
T441	White oak	Quercus alba	20	30.00	AVG.	Leaning, on edge of parking lot
T442 & T443 have been removed since previously completed tree survey.						
T444	Tulip poplar	Liriodendron tulipifera	30	45.00	GOOD	Vines on trunk
T445 & T446 have been removed since previously completed tree survey.						
T447	White oak	Quercus alba	30	45.00	GOOD/AVG.	Off property
T448	White oak	Quercus alba	29	43.50	GOOD/AVG.	Off property, vines on trunk
T449	White pine	Pinus strobus	24	36.00	AVG.	Leaning
T450	White ash	Fraxinus americana	19.5	29.25	AVG.	Dieback, vines on trunk
T451 & T452 have been removed since previously completed tree survey.						
T453	White oak	Quercus alba	18.5	27.75	GOOD/AVG.	Off property
T454	White ash	Fraxinus americana	32.5	48.75	AVG.	Off property, dieback, did not flag
T355 has been removed since previously completed tree survey.						
T456	White oak	Quercus alba	28.5	42.75	GOOD/AVG.	Off property, did not flag
T457	White oak	Quercus alba	31.5	47.25	GOOD/AVG.	Off property, did not flag
T458	Tulip poplar	Liriodendron tulipifera	26	39.00	AVG.	Vines on trunk
T459 has been removed since previously completed tree survey.						
T460	Northern red oak	Quercus rubra	28.5	42.75	AVG/POOR	Off property, large wound on trunk, heartrot, did not flag
T461	Northern red oak	Quercus rubra	35	52.50	GOOD/AVG.	Off property, did not flag
T462	Tulip poplar	Liriodendron tulipifera	31	46.50	GOOD	
T463	White oak	Quercus alba	25.5	38.25	GOOD/AVG.	Misidentified as red oak on previous survey
T464	Tulip poplar	Liriodendron tulipifera	34	51.00	GOOD	
T465	Northern red oak	Quercus rubra	30.5	45.75	GOOD/AVG.	Not flagged
T466 has been removed since previously completed tree survey.						
T467 was unable to be located on the previously completed tree survey.						
T468	White oak	Quercus alba	28	42.00	GOOD/AVG.	Some broken limbs
T469	Northern red oak	Quercus rubra	30.5	45.75	AVG.	Not flagged, leaning
T470, T471 & T473 have been removed since previously completed tree survey.						
T472 was unable to be located on the previously completed tree survey.						
T474	White oak	Quercus alba	27	40.50	AVG.	In parking lot
T500	Yoshino cherry	Prunus yedoensis	8	12.00	GOOD	
T501	Yoshino cherry	Prunus yedoensis	8	12.00	GOOD	
T502	Yoshino cherry	Prunus yedoensis	8.5	12.75	GOOD	
T503	Atlantic white cedar	Chamaecyparis thyoides	12.5	18.75	GOOD/AVG.	Limbed up, crowded root zone
T504	Atlantic white cedar	Chamaecyparis thyoides	13.5	20.25	GOOD/AVG.	Limbed up, crowded root zone
T505	Atlantic white cedar	Chamaecyparis thyoides	11	16.50	GOOD/AVG.	Limbed up, crowded root zone
T506	White pine	Pinus strobus	15.5	23.25	AVG.	Wound on trunk, limbed up, broken branches
T507	White pine	Pinus strobus	20	30.00	GOOD/AVG.	Limbed up
T508	White pine	Pinus strobus	26	39.00	AVG.	Wound on trunk, limbed up
T509	White pine	Pinus strobus	22.5	33.75	GOOD/AVG.	Limbed up
T510	White pine	Pinus strobus	18.5	27.75	GOOD/AVG.	Limbed up
T511	White pine	Pinus strobus	24	36.00	GOOD/AVG.	Limbed up
T512	White pine	Pinus strobus	25.5	38.25	AVG.	Broken branches, limbed up
T513	White pine	Pinus strobus	24	36.00	GOOD/AVG.	Limbed up, English ivy on trunk
T514	White pine	Pinus strobus	28.5	42.75	GOOD/AVG.	Limbed up, English ivy on trunk
T515	White pine	Pinus strobus	24.5	36.75	GOOD/AVG.	Limbed up, English ivy on trunk
T516	White pine	Pinus strobus	25	37.50	GOOD/AVG.	Limbed up, English ivy on trunk
T517	White pine	Pinus strobus	24	36.00	GOOD/AVG.	Limbed up, English ivy on trunk
T518	Crapemyrtle	Lagerstroemia indica	5	7.50	AVG.	Limited soil volume, codominant leaders (2, 2, 2, 2.5, 1.5)
T519	Crapemyrtle	Lagerstroemia indica	4	6.00	AVG.	Limited soil volume, codominant leaders (2.5, 2, 2.5, 1)
T520	Crapemyrtle	Lagerstroemia indica	4	6.00	AVG.	Limited soil volume, codominant leaders (2.5, 1, 1, 1, 2.5)
T521	Yoshino cherry	Prunus yedoensis	8.5	12.75	GOOD/AVG.	
T522	Red maple	Acer rubrum	11.5	17.25	GOOD/AVG.	Rubber mulch around base, winter eval
T523	Red maple	Acer rubrum	11	16.50	GOOD/AVG.	Rubber mulch around base, winter eval
T524	Red maple	Acer rubrum	10	15.00	GOOD/AVG.	Rubber mulch around base, winter eval
T525	Red maple	Acer rubrum	8.5	12.75	GOOD/AVG.	Rubber mulch around base, winter eval
T526	Red maple	Acer rubrum	9.5	14.25	GOOD/AVG.	Rubber mulch around base, winter eval
T527	Chinese elm	Ulmus parvifolia	10.5	15.75	GOOD/AVG.	On slope
T528	Chinese elm	Ulmus parvifolia	10	15.00	GOOD/AVG.	On slope
T529	Chinese elm	Ulmus parvifolia	10	15.00	GOOD/AVG.	On slope
T530	Chinese elm	Ulmus parvifolia	10	15.00	GOOD/AVG.	On slope
T531	Chinese elm	Ulmus parvifolia	14.5	21.75	GOOD	On slope
T532	Red maple	Acer rubrum	9.5	14.25	GOOD/AVG.	Callous on field side
T533	Tulip poplar	Liriodendron tulipifera	32	48.00	AVG.	Inside forested area, vines on trunk, broken limbs
T534	Tulip poplar	Liriodendron tulipifera	31	46.50	AVG.	Inside forested area, vines on trunk
T535	Sycamore	Platanus occidentalis	16.5	24.75	AVG.	Inside forested area, vines on trunk
T536	Black cherry	Prunus serotina	10.5	15.75	AVG/POOR	Broken branches, poor form, pruned, wound on trunk
T537	Tulip poplar	Liriodendron tulipifera	12	18.00	GOOD/AVG.	
T538	Pignut hickory	Carya glabra	10.5	15.75	GOOD/AVG.	
T539	White pine	Pinus strobus	11.5	17.25	GOOD/AVG.	Limbed up, vines on trunk
T540	White pine	Pinus strobus	17	25.50	GOOD/AVG.	English ivy on trunk
T541	White pine	Pinus strobus	17	25.50	GOOD/AVG.	English ivy on trunk
T542	White pine	Pinus strobus	11	16.50	GOOD/AVG.	English ivy on trunk
T543	Chestnut oak	Quercus prinus	15	22.50	GOOD/AVG.	English ivy at base, crowded root zone
T544	Chestnut oak	Quercus prinus	10.5	15.75	GOOD/AVG.	English ivy at base, crowded root zone, broken limbs
T545	Redbud	Cercis canadensis	11	16.50	AVG.	Leaning, on steep embankment, codominant leaders (9, 7)
T546	White pine	Pinus strobus	27	40.50	AVG.	On steep embankment, vines on trunk
T547	White pine	Pinus strobus	25	37.50	AVG.	On steep embankment, vines on trunk
T548	White pine	Pinus strobus	25	37.50	AVG.	On steep embankment, vines on trunk
T549	Red maple	Acer rubrum	12	18.00	POOR	Pruned branches, paving in CRZ, chainsaw cut on base
T550	White pine	Pinus strobus	13.5	20.25	GOOD/AVG.	English ivy on trunk, limbed up
T551	White pine	Pinus strobus	13	19.50	GOOD/AVG.	English ivy on trunk, limbed up
T552	White pine	Pinus strobus	15	22.50	GOOD/AVG.	English ivy on trunk, limbed up
T553	White pine	Pinus strobus	19	28.50	GOOD/AVG.	English ivy on trunk, limbed up
T554	Black walnut	Juglans nigra	10.5	15.75	GOOD/AVG.	Winter eval, removed leader at base
T555	Crabapple	Malus angustifolia	9	13.50	GOOD	
T556	Crabapple	Malus angustifolia	6.5	9.75	GOOD	
T557	Crabapple	Malus angustifolia	8.5	12.75	GOOD	
T558	River birch	Betula nigra	21	31.50	GOOD/AVG.	Codominant leaders (12, 12.5, 12.5)
T559	Yoshino cherry	Prunus yedoensis	16	24.00	AVG.	Water sprouts at base
T560	Red maple	Acer rubrum	9	13.50	GOOD	
T561	Red maple	Acer rubrum	8	12.00	GOOD	
T562	Red maple	Acer rubrum	9.5	14.25	GOOD	
T563	Red maple	Acer rubrum	8.5	12.75	GOOD	
T564	Black walnut	Juglans nigra	14.5	21.75	AVG/POOR	Wound on trunk, broken branches
T565	White spruce	Picea glauca	14.5	21.75	GOOD	Spruce
T566	Dawn redwood	Metasequoia glyptostroboides	20	30.00	GOOD/AVG.	English ivy on trunk
T567	Dawn redwood	Metasequoia glyptostroboides	25	37.50	GOOD/AVG.	English ivy on trunk
T568	Blue spruce	Picea pungens	20	30.00	AVG.	Some dieback
T569	American holly	Ilex opaca	20	30.00	GOOD/AVG.	English ivy on trunk
T570	Crapemyrtle	Lagerstroemia indica	7	10.50	GOOD	Codominant leaders (3, 1.5, 2, 2, 2.5, 3, 2, 2)
T571	Crapemyrtle	Lagerstroemia indica	7	10.50	GOOD	Codominant leaders (3, 3, 2, 3, 2.5, 3, 1)
T572	Crapemyrtle	Lagerstroemia indica	7	10.50	GOOD	Codominant leaders (1, 1.5, 1, 2, 3, 3, 3, 3, 1)
T573	Crapemyrtle	Lagerstroemia indica	7	10.50	GOOD	Codominant leaders (1, 3, 3, 3.5, 3.5)
T574	White ash	Fraxinus americana	15.5	23.25	AVG/POOR	Winter eval, broken branches
T575	American holly	Ilex opaca	15	22.50	GOOD/AVG.	English ivy on trunk, codominant leaders (10.5, 11)
T576	American holly	Ilex opaca	13	19.50	GOOD/AVG.	Codominant leaders (6, 8, 8)
T577	American holly	Ilex opaca	16	24.00	GOOD/AVG.	Codominant leaders (10, 12)
T578	American holly	Ilex opaca	14	21.00	GOOD	Codominant leaders (10, 8, 6)
T579	American holly	Ilex opaca	12	18.00	GOOD	
T580	American holly	Ilex opaca	14	21.00	GOOD	
T581	American holly	Ilex opaca	10	15.00	GOOD	
T582	White oak	Quercus alba	23	34.50	GOOD/AVG.	Limited soil volume
T583	White oak	Quercus alba	31	46.50	GOOD/AVG.	Limited soil volume
T584	Tulip poplar	Liriodendron tulipifera	25	37.50	GOOD/AVG.	Limited soil volume
T585	White oak	Quercus alba	27	40.50	GOOD/AVG.	Limited soil volume
T586	Northern red oak	Quercus rubra	21.5	32.25	GOOD/AVG.	Roadway in CRZ
T587	Northern red oak	Quercus rubra	25	37.50	GOOD/AVG.	Roadway in CRZ
T588	Pignut hickory	Carya glabra	12.5	18.75	GOOD/AVG.	Roadway in CRZ
T589	Northern red oak	Quercus rubra	26	39.00	GOOD/AVG.	Growing over rock outcrop, roadway in CRZ
T590	White oak	Quercus alba	13	19.50	GOOD/AVG.	Planted in terraced area
T591	Northern red oak	Quercus rubra	28.5	42.75	GOOD/AVG.	Roadway in CRZ
T592	White oak	Quercus alba	10.5	15.75	GOOD/AVG.	Roadway in CRZ
T593	White oak	Quercus alba	22	33.00	GOOD/AVG.	Planted in terraced area
T594	Chestnut oak	Quercus prinus	18	27.00	GOOD/AVG.	Planted in terraced area
T595	White oak	Quercus alba	16	24.00	GOOD/AVG.	Roadway in CRZ, small canopy, leaning
T596	White oak	Quercus alba	26	39.00	GOOD/AVG.	Roadway in CRZ, small canopy, leaning
T597	Northern red oak	Quercus rubra	19	28.50	GOOD/AVG.	Planted in terraced area
T598	Pignut hickory	Carya glabra	13	19.50	GOOD/AVG.	Roadway in CRZ, codominant leaders (9, 9)
T599	Northern red oak	Quercus rubra	15.5	23.25	AVG.	Gutter and roadway in CRZ
T600	White oak	Quercus alba	21.5	32.25	AVG.	Limited soil volume
T601	White oak	Quercus alba	17.5	26.25	AVG.	Limited soil volume
T602	Northern red oak	Quercus rubra	25.5	38.25	AVG/POOR	Thin canopy, dieback, planted in terraced area
T603	White oak	Quercus alba	23	34.50	GOOD/AVG.	Planted in terraced area
T604	White oak	Quercus alba	17.5	26.25	GOOD/AVG.	Drainage channel in CRZ
T605	White oak	Quercus alba	17	25.50	GOOD/AVG.	Planted in terraced area
T606	White oak	Quercus alba	21	31.50	GOOD/AVG.	Planted in terraced area
T607	Redbud	Cercis canadensis	7	10.50	AVG.	Leaning, limited soil volume
T608	Redbud	Cercis canadensis	6	9.00	AVG.	Limited soil volume
T609	White oak	Quercus alba	25.5	38.25	GOOD/AVG.	Leaning, roadway in CRZ
T610	White oak	Quercus alba	31.5	47.25	GOOD/AVG.	Roadway in CRZ
T611	White oak	Quercus alba	19	28.50	GOOD/AVG.	Roadway in CRZ
T612	White oak	Quercus alba	18.5	27.75	GOOD/AVG.	Roadway in CRZ
T613	White oak	Quercus alba	22	33.00	GOOD/AVG.	Roadway in CRZ
T614	White oak	Quercus alba	22.5	33.75	GOOD/AVG.	Roadway in CRZ
T615	White oak	Quercus alba	18.5	27.75	AVG.	Roadway in CRZ, epicormic growth
T616	Flowering dogwood	Cornus florida	7.5	11.25	GOOD	
T617	White oak	Quercus alba	26.5	39.75	AVG.	Lopsided canopy hanging over building, limited soil volume
T618	White oak	Quercus alba	17.5	26.25	GOOD/AVG.	Roadway in CRZ
T619	Crapemyrtle	Lagerstroemia indica	7	10.50	GOOD/AVG.	Leaning, walk in CRZ, codominant leaders (9 @ 2", 3 @ 1.5")
T620	Serviceberry	Amelanchier arborea	4	6.00	AVG.	Codominant leaders (3, 2, 1.5)
T621	Pin oak	Quercus palustris	9	13.50	GOOD	
T622	Black cherry	Prunus serotina	21	31.50	GOOD/AVG.	Poor form, codominant leaders (13, 17)
T623	Dawn redwood	Metasequoia glyptostroboides	25	37.50	GOOD	
T624	Dawn redwood	Metasequoia glyptostroboides	21	31.50	GOOD	
T625	Dawn redwood	Metasequoia glyptostroboides	40	60.00	GOOD	English ivy on trunk
T626	White oak	Quercus alba	17	25.50	AVG.	Wound at base, leaning
T627	White oak	Quercus alba	21	31.50	AVG.	Leaning, asphalt in CRZ
T628	White oak	Quercus alba	32	48.00	GOOD	Asphalt in CRZ, codominant leaders (24.5, 20.5)
T629	White oak	Quercus alba	14	21.00	GOOD	Asphalt in CRZ

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CONSULTANTS

08/04/2020

LANDON SCHOOL

6101 WILSON LANE
BETHESDA, MD 20817

MARK	DATE	DESCRIPTION

M-NCPPC PROJECT NO:	420201370, 42021029E
PROJECT NO:	17-0250.002
SCALE:	NOT TO SCALE
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

TREE TABLE

FC1.13

SHEET 14 OF 16

MONTGOMERY PLANNING DEPARTMENT
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
APPROVED - 42021029E
Stephen Peck (stephen.peck@montgomeryplanning.org)
09/28/20

T630	White oak	*Quercus alba*	25	37.50	GOOD	Asphalt in CRZ
T631	American holly	*Ilex opaca*	6	9.00	GOOD/AVG.	Limbed up, wound on large trunk, codominant leaders (1, 2.5, 5)
T632	Redbud	*Cercis canadensis*	7	10.50	AVG.	Wounds on branches, poor form
T633	White oak	*Quercus alba*	20.5	30.75	GOOD/AVG.	Walkway and stairs in CZ
T634	Star magnolia	*Magnolia stellata*	6	9.00	GOOD/AVG.	Winter eval, in raised planter
T635	Northern red oak	*Quercus rubra*	26	39.00	GOOD/AVG.	Walkway in CRZ, removed leader at base
T636	Mockernut hickory	*Carya tomentosa*	15.5	23.25	GOOD/AVG.	Crowded root zone, directly adjacent to existing roadway, callous o trunk
T637	Mockernut hickory	*Carya tomentosa*	16	24.00	GOOD/AVG.	Crowded root zone, directly adjacent to existing roadway
T638	Mockernut hickory	*Carya tomentosa*	10.5	15.75	GOOD/AVG.	Crowded root zone, directly adjacent to existing roadway
T639	Mockernut hickory	*Carya tomentosa*	15.5	23.25	GOOD/AVG.	Crowded root zone, directly adjacent to existing roadway
T640	Mockernut hickory	*Carya tomentosa*	17.5	26.25	GOOD/AVG.	Crowded root zone
T641	Mockernut hickory	*Carya tomentosa*	11	16.50	GOOD/AVG.	Crowded root zone, directly adjacent to existing roadway
T642	Mockernut hickory	*Carya tomentosa*	21	31.50	GOOD/AVG.	Crowded root zone, directly adjacent to existing roadway
T643	White ash	*Fraxinus americana*	14.5	21.75	AVG.	
T644	White ash	*Fraxinus americana*	19	28.50	AVG.	
T645	White oak	*Quercus alba*	21	31.50	AVG.	Mower damage to surface roots, leaning
T646	White oak	*Quercus alba*	13.5	20.25	GOOD/AVG.	Leaning, removed branches
T647	White pine	*Pinus strobus*	12	18.00	AVG.	Broken branches, poor form
T648	White oak	*Quercus alba*	25.5	38.25	AVG.	Broken branches
T649	White pine	*Pinus strobus*	11	16.50	AVG.	Broken branches, poor form
T650	White pine	*Pinus strobus*	11	16.50	AVG.	Broken branches, poor form
T651	White pine	*Pinus strobus*	15.5	23.25	AVG.	Broken branches, poor form
T652	White pine	*Pinus strobus*	13.5	20.25	AVG.	Broken branches, poor form
T653	White pine	*Pinus strobus*	14	21.00	AVG.	Broken branches, poor form
T654	White pine	*Pinus strobus*	19.5	29.25	AVG.	Broken branches, poor form
T655	Blue spruce	*Picea pungens*	7.5	11.25	AVG.	Broken limbs, dieback
T656	Tulip poplar	*Liriodendron tulipifera*	23	34.50	AVG.	English ivy on trunk, pruned branches
T657	American holly	*Ilex opaca*	16	24.00	AVG.	Codominant leaders (12, 8, 6); some dieback
T658	American holly	*Ilex opaca*	13	19.50	GOOD/AVG.	Codominant leaders (6, 6, 10, 1, 1)
T659	American holly	*Ilex opaca*	15	22.50	GOOD/AVG.	
T660	Star magnolia	*Magnolia stellata*	16	24.00	GOOD/AVG.	Codominant leaders (7, 11, 6, 6); removed leader
T661	Star magnolia	*Magnolia stellata*	11	16.50	GOOD/AVG.	Codominant leaders (6, 5, 6, 5.5)
T662	Star magnolia	*Magnolia stellata*	13	19.50	GOOD/AVG.	
T663	Eastern hemlock	*Tsuga canadensis*	7	10.50	GOOD/AVG.	Minor dieback
T664	Eastern hemlock	*Tsuga canadensis*	7	10.50	GOOD	
T665	White oak	*Quercus alba*	11.5	17.25	AVG.	Crowded root zone
T666	White oak	*Quercus alba*	9.5	14.25	AVG.	Crowded root zone
T667	American beech	*Fagus grandifolia*	7	10.50	AVG.	Crowded root zone
T668	Mockernut hickory	*Carya tomentosa*	19.5	29.25	AVG.	Crowded root zone
T669	White oak	*Quercus alba*	22	33.00	GOOD/AVG.	Wound on trunk
T670	White oak	*Quercus alba*	13	19.50	GOOD/AVG.	Limited soil volume, English ivy on trunk
T671	Mockernut hickory	*Carya tomentosa*	9	13.50	GOOD/AVG.	Limited soil volume
T672	Black cherry	*Prunus serotina*	10	15.00	AVG.	Leaning, poor form, English ivy on trunk
T673	Black cherry	*Prunus serotina*	10	15.00	AVG/POOR	Damage on trunk, leaning, poor form, English ivy on trunk
T674	White pine	*Pinus strobus*	11	16.50	AVG.	Broken branches
T675	White pine	*Pinus strobus*	12.5	18.75	AVG.	Broken branches
T676	Black birch	*Betula lenta*	10	15.00	AVG.	Vines on trunk, winter ID
T677	White pine	*Pinus strobus*	9.5	14.25	AVG.	Broken branches, vines on trunk
T678	White pine	*Pinus strobus*	8	12.00	AVG.	Minor dieback, crowded root zone
T679	Black cherry	*Prunus serotina*	12.5	18.75	GOOD/AVG.	Vines on trunk
T680	White oak	*Quercus alba*	12	18.00	GOOD/AVG.	
T681	White pine	*Pinus strobus*	8	12.00	AVG.	Crowded root zone, vines on trunk and floor
T682	Mockernut hickory	*Carya tomentosa*	13	19.50	AVG/POOR	Crowded root zone, vines on trunk and floor
T683	White pine	*Pinus strobus*	9	13.50	AVG.	Crowded root zone, vines on trunk and floor
T684	Mockernut hickory	*Carya tomentosa*	17.5	26.25	AVG.	Crowded root zone, vines on trunk and floor
T685	White pine	*Pinus strobus*	11	16.50	AVG.	Crowded root zone, vines on trunk and floor
T686	White oak	*Quercus alba*	23	34.50	AVG.	Included bark, wounds from vine removal; codominant leaders (12.5, 19)
T687	Mockernut hickory	*Carya tomentosa*	8	12.00	GOOD	
T688	Northern red oak	*Quercus rubra*	24.5	36.75	GOOD/AVG.	Removed limb
T689	American beech	*Fagus grandifolia*	6	9.00	GOOD	
T690	Mockernut hickory	*Carya tomentosa*	7	10.50	GOOD	
T691	White oak	*Quercus alba*	11.5	17.25	GOOD	
T692	Northern red oak	*Quercus rubra*	22.5	33.75	GOOD/AVG.	Leaning over amphitheater
T693	White oak	*Quercus alba*	22	33.00	GOOD	
T694	White oak	*Quercus alba*	12	18.00	GOOD	
T695	White oak	*Quercus alba*	13.5	20.25	GOOD	
T696	White oak	*Quercus alba*	19.5	29.25	GOOD	
T697	Northern red oak	*Quercus rubra*	34	51.00	GOOD/AVG.	Retaining wall in CRZ
T698	White oak	*Quercus alba*	12.5	18.75	GOOD/AVG.	
T699	Northern red oak	*Quercus rubra*	20	30.00	GOOD/AVG.	
T700	White oak	*Quercus alba*	11	16.50	GOOD/AVG.	
T701	White oak	*Quercus alba*	19	28.50	GOOD/AVG.	Leaning, codominant leaders (15, 12)
T702	Northern red oak	*Quercus rubra*	21	31.50	GOOD/AVG.	
T703	White oak	*Quercus alba*	14	21.00	GOOD/AVG.	Leaning
T704	White oak	*Quercus alba*	23	34.50	GOOD/AVG.	Leaning, English ivy on trunk
T705	White oak	*Quercus alba*	16.5	24.75	GOOD/AVG.	
T706	Northern red oak	*Quercus rubra*	22	33.00	GOOD/AVG.	
T707	White oak	*Quercus alba*	9	13.50	GOOD/AVG.	Vines on trunk
T708	**Northern red oak**	***Quercus rubra***	**34**	**51.00**	**GOOD/AVG.**	
T709	Northern red oak	*Quercus rubra*	12	18.00	GOOD/AVG.	
T710	Northern red oak	*Quercus rubra*	14	21.00	GOOD/AVG.	
T711	American beech	*Fagus grandifolia*	8	12.00	GOOD/AVG.	
T712	Northern red oak	*Quercus rubra*	28.5	42.75	GOOD/AVG.	
T713	White pine	*Pinus strobus*	9.5	14.25	AVG.	Broken branches
T714	White oak	*Quercus alba*	17	25.50	GOOD/AVG.	
T715	White oak	*Quercus alba*	21	31.50	AVG.	Wound at base
T716	White oak	*Quercus alba*	16.5	24.75	GOOD/AVG.	
T717	**Scarlet oak**	***Quercus coccinea***	**31**	**46.50**	**GOOD/AVG.**	**Leaning, on steep slope, adjacent to asphalt on one side**
T718	White oak	*Quercus alba*	13	19.50	GOOD/AVG.	On steep slope, adjacent to asphalt on one side
T719	**Northern red oak**	***Quercus rubra***	**41**	**61.50**	**GOOD/AVG.**	**On steep slope, adjacent to asphalt on one side**
T720	White oak	*Quercus alba*	10	15.00	GOOD/AVG.	On steep slope, adjacent to asphalt on one side
T721	Tulip poplar	*Liriodendron tulipifera*	18	27.00	GOOD/AVG.	On steep slope, adjacent to asphalt on one side
T722	Tulip poplar	*Liriodendron tulipifera*	29	43.50	GOOD/AVG.	Vines on trunk, codominant leaders (20.5, 20)
T723	Northern red oak	*Quercus rubra*	9.5	14.25	GOOD/AVG.	
T724	White oak	*Quercus alba*	24	36.00	GOOD	
T725	Mockernut hickory	*Carya tomentosa*	12.5	18.75	AVG.	Limited soil volume
T726	Northern red oak	*Quercus rubra*	24.5	36.75	GOOD/AVG.	
T727	Northern red oak	*Quercus rubra*	27.5	41.25	GOOD/AVG.	
T728	White oak	*Quercus alba*	17.5	26.25	GOOD/AVG.	
T729	Tulip poplar	*Liriodendron tulipifera*	21	31.50	GOOD/AVG.	Codominant leaders (13.5, 16)
T730	American beech	*Fagus grandifolia*	19	28.50	GOOD/AVG.	
T731	Northern red oak	*Quercus rubra*	15	22.50	GOOD/AVG.	
T732	Honeylocust	*Gleditsia triacanthos*	15.5	23.25	AVG/POOR	Heartrot, leaning, large wound; winter eval
T733	Tulip poplar	*Liriodendron tulipifera*	24.5	36.75	GOOD/AVG.	
T734	Tulip poplar	*Liriodendron tulipifera*	21	31.50	GOOD/AVG.	
T735	Northern red oak	*Quercus rubra*	22.5	33.75	GOOD/AVG.	
T736	Mockernut hickory	*Carya tomentosa*	13	19.50	GOOD/AVG.	
T737	Tulip poplar	*Liriodendron tulipifera*	17	25.50	GOOD/AVG.	
T738	Tulip poplar	*Liriodendron tulipifera*	19.5	29.25	GOOD/AVG.	
T739	Northern red oak	*Quercus rubra*	23.5	35.25	GOOD/AVG.	
T740	American beech	*Fagus grandifolia*	21.5	32.25	GOOD/AVG.	Not flagged
T741	White oak	*Quercus alba*	21	31.50	GOOD/AVG.	Not flagged
T742	White oak	*Quercus alba*	21	31.50	GOOD/AVG.	
T743	White oak	*Quercus alba*	21.5	32.25	GOOD/AVG.	Not flagged, some broken branches
T744	White oak	*Quercus alba*	19.5	29.25	GOOD/AVG.	Not flagged, some broken branches
T745	White oak	*Quercus alba*	15	22.50	GOOD/AVG.	Removed limbs
T746	Eastern hemlock	*Tsuga canadensis*	8	12.00	GOOD/AVG.	Some broken branches
T747	Eastern hemlock	*Tsuga canadensis*	8	12.00	AVG.	Some broken branches, English ivy on trunk
T748	Mockernut hickory	*Carya tomentosa*	11	16.50	AVG.	Epicormic growth, callous at base
T749	White oak	*Quercus alba*	24	36.00	AVG.	Broken limbs and branches
T750	White oak	*Quercus alba*	25	37.50	GOOD/AVG.	
T751	**Northern red oak**	***Quercus rubra***	**38.5**	**57.75**	**GOOD/AVG.**	
T752	White pine	*Pinus strobus*	7	10.50	GOOD/AVG.	Removed lower branches
T753	Eastern hemlock	*Tsuga canadensis*	6.5	9.75	GOOD/AVG.	Leaning, removed lower branches
T754	White oak	*Quercus alba*	25.5	38.25	AVG.	Broken branches
T755	Tulip poplar	*Liriodendron tulipifera*	28	42.00	AVG.	Small canopy
T756	Boxelder	*Acer negundo*	7.5	11.25	AVG.	Leaning, poor form
T757	Boxelder	*Acer negundo*	10.5	15.75	AVG.	Leaning, small canopy
T758	American holly	*Ilex opaca*	13.5	20.25	GOOD	
T759	Eastern hemlock	*Tsuga canadensis*	9	13.50	AVG.	Broken limbs and branches
T760	Boxelder	*Acer negundo*	12	18.00	GOOD/AVG.	
T761	Boxelder	*Acer negundo*	7	10.50	AVG.	Epicormic growth, leaning
T762	Black birch	*Betula lenta*	10	15.00	GOOD/AVG.	Poor form
T763	Boxelder	*Acer negundo*	9	13.50	AVG.	Epicormic growth, poor form; codominant leaders (8.5, 3.5)
T764	Boxelder	*Acer negundo*	18	27.00	POOR	Poor form, removed branches, cavity, wound, probable heartrot
T765	White pine	*Pinus strobus*	12.5	18.75	GOOD/AVG.	
T766	White pine	*Pinus strobus*	10	15.00	GOOD/AVG.	Broken branches
T767	White pine	*Pinus strobus*	9.5	14.25	AVG.	Broken limbs and branches
T768	White pine	*Pinus strobus*	13.5	20.25	GOOD/AVG.	
T769	White oak	*Quercus alba*	15	22.50	GOOD/AVG.	Leaning, on edge of parking lot
T770	Mockernut hickory	*Carya tomentosa*	12	18.00	GOOD/AVG.	Lopsided canopy
T771	Mockernut hickory	*Carya tomentosa*	12	18.00	GOOD/AVG.	In parking lot
T772	White oak	*Quercus alba*	14	21.00	GOOD/AVG.	Leaning, in parking lot
T773	White oak	*Quercus alba*	18.5	27.75	AVG.	Leaning, lopsided canopy
T774	White oak	*Quercus alba*	17	25.50	AVG.	Leaning, poor form
T775	Northern red oak	*Quercus rubra*	14.5	21.75	AVG.	Leaning, poor form
T776	White oak	*Quercus alba*	19	28.50	GOOD/AVG.	Broken branches
T777	White oak	*Quercus alba*	19	28.50	GOOD	
T778	White oak	*Quercus alba*	24	36.00	AVG.	In parking lot, malformed at base
T779	White pine	*Pinus strobus*	14	21.00	AVG.	Broken limbs and branches
T780	White pine	*Pinus strobus*	19	28.50	AVG.	Broken limbs and branches, codominant leaders (12.5, 14)
T781	White oak	*Quercus alba*	20.5	30.75	AVG.	Poor form
T782	White oak	*Quercus alba*	29	43.50	GOOD/AVG.	
T783	White oak	*Quercus alba*	26	39.00	GOOD/AVG.	English ivy on trunk
T784	White oak	*Quercus alba*	17.5	26.25	GOOD/AVG.	Small canopy, in parking lot
T785	**White oak**	***Quercus alba***	**30.5**	**45.75**	**AVG.**	**Small canopy, in parking lot, limited root zone**
T786	White oak	*Quercus alba*	14.5	21.75	AVG.	Small canopy, in parking lot, limited root zone
T787	American holly	*Ilex opaca*	13	19.50	AVG.	In parking lot, callous at base, codominant leaders (10, 8)
T788	White oak	*Quercus alba*	26.5	39.75	AVG.	Wound at base
T789	Arborvitae	*Thuja orientalis*	22	33.00	AVG/POOR	Codominant leaders (13.5, 14.5, 9); leaning, dieback, one leader pruned
T790	Balsam fir	*Abies balsamea*	9	13.50	GOOD	
T791	Atlantic white cedar	*Chamaecyparis thyoides*	24	36.00	GOOD/AVG.	Lower branches removed
T792	Atlantic white cedar	*Chamaecyparis thyoides*	24	36.00	GOOD/AVG.	Vines on trunk
T793	Atlantic white cedar	*Chamaecyparis thyoides*	19	28.50	POOR	Pruned crown, poor form, cavity, heartrot; codominant leaders (11, 15)
T794	Atlantic white cedar	*Chamaecyparis thyoides*	18.5	27.75	GOOD/AVG.	Removed lower branches
T795	Black locust	*Robinia pseudoacacia*	13	19.50	GOOD/AVG.	Leaning, 'tis wood (photos)
T796	Atlantic white cedar	*Chamaecyparis thyoides*	14	21.00	AVG.	Wound at base
T797	Atlantic white cedar	*Chamaecyparis thyoides*	16.5	24.75	GOOD/AVG.	
T798	Atlantic white cedar	*Chamaecyparis thyoides*	18	27.00	AVG.	Wound on trunk
T799	Atlantic white cedar	*Chamaecyparis thyoides*	14	21.00	AVG.	Wound on trunk
T800	Atlantic white cedar	*Chamaecyparis thyoides*	15	22.50	GOOD/AVG.	
T801	Atlantic white cedar	*Chamaecyparis thyoides*	14	21.00	GOOD/AVG.	
T802	Atlantic white cedar	*Chamaecyparis thyoides*	24.5	36.75	GOOD/AVG.	Poison ivy on trunk
T803	Japanese zelkova	*Zelkova serrata*	16.5	24.75	GOOD/AVG.	Girdled roots (all)
T804	Japanese zelkova	*Zelkova serrata*	20.5	30.75	GOOD/AVG.	Limbs removed
T805	Japanese zelkova	*Zelkova serrata*	21.5	32.25	GOOD/AVG.	
T806	Japanese zelkova	*Zelkova serrata*	19	28.50	GOOD/AVG.	
T807	Japanese zelkova	*Zelkova serrata*	22	33.00	AVG.	Split between branches
T808	Japanese zelkova	*Zelkova serrata*	18	27.00	GOOD/AVG.	
T809	Japanese zelkova	*Zelkova serrata*	18	27.00	GOOD/AVG.	
T810	Japanese zelkova	*Zelkova serrata*	26	39.00	GOOD/AVG.	
T811	Japanese zelkova	*Zelkova serrata*	20	30.00	GOOD/AVG.	
T812	Japanese zelkova	*Zelkova serrata*	18.5	27.75	GOOD/AVG.	
T813	American holly	*Ilex opaca*	15	22.50	AVG.	Codominant leaders (6, 4, 8, 11); poor form
T814	American holly	*Ilex opaca*	13	19.50	AVG.	Codominant leaders (3, 8, 8, 6); poor form
T815	Mockernut hickory	*Carya tomentosa*	10	15.00	GOOD	
T816	Mockernut hickory	*Carya tomentosa*	13	19.50	GOOD/AVG.	Limited soil volume
T817	Cryptomeria	*Cryptomeria japonica*	15	22.50	GOOD/AVG.	Pruned at stairs, limited soil volume
T818	Red maple	*Acer rubrum*	18.5	27.75	GOOD/AVG.	Plaquard (sunset red maple)
T819	Japanese maple	*Acer palmatum*	16.5	24.75	GOOD/AVG.	
T820	Japanese maple	*Acer palmatum*	16.5	24.75	GOOD/AVG.	
T821	Atlantic white cedar	*Chamaecyparis thyoides*	23.5	35.25	GOOD/AVG.	
T822	Atlantic white cedar	*Chamaecyparis thyoides*	24	36.00	GOOD/AVG.	
T823	Atlantic white cedar	*Chamaecyparis thyoides*	24.5	36.75	GOOD/AVG.	
T824	Atlantic white cedar	*Chamaecyparis thyoides*	18	27.00	AVG.	Wound on trunk
T825	**Atlantic white cedar**	***Chamaecyparis thyoides***	**37**	**55.50**	**GOOD/AVG.**	
T826	Atlantic white cedar	*Chamaecyparis thyoides*	23	34.50	GOOD/AVG.	Hammock hanging on tree, codominant leaders (16, 16.5)
T827	Atlantic white cedar	*Chamaecyparis thyoides*	19.5	29.25	AVG.	Cavity
T828	Atlantic white cedar	*Chamaecyparis thyoides*	21	31.50	GOOD/AVG.	Hammock hanging on tree, codominant leaders (10, 19)
T829	Sweetgum	*Liquidambar styraciflua*	26	39.00	GOOD/AVG.	
T830	Arborvitae	*Thuja orientalis*	22.5	33.75	AVG.	
T831	Black cherry	*Prunus serotina*	20.5	30.75	GOOD/AVG.	
T832	Arborvitae	*Thuja orientalis*	11	16.50	AVG/POOR	Codominant leaders (9, 6.5), wound, in decline
T833	Flowering dogwood	*Cornus florida*	10	15.00	AVG.	Codominant leaders (8.5, 5); 4 leaders with two trunks, strange form
T834	Arborvitae	*Thuja orientalis*	16	24.00	GOOD/AVG.	Codominant leaders (6.5, 5, 9.5, 7, 8)
T835	Arborvitae	*Thuja orientalis*	13	19.50	GOOD/AVG.	Codominant leaders (5, 12)
T836	American holly	*Ilex opaca*	21	31.50	GOOD/AVG.	Codominant leaders (8, 8.5, 4, 10, 12.5, 5.5); English ivy on trunk
T837	Arborvitae	*Thuja orientalis*	12	18.00	GOOD/AVG.	
T838	Honeylocust	*Gleditsia triacanthos*	14	21.00	GOOD/AVG.	Winter eval
T839	**White pine**	***Pinus strobus***	**31**	**46.50**	**GOOD/AVG.**	**Broken branches, leaning, English ivy on trunk**
T840	**White pine**	***Pinus strobus***	**31.5**	**47.25**	**GOOD/AVG.**	**Broken branches, leaning, English ivy on trunk**
T841	**White pine**	***Pinus strobus***	**32**	**48.00**	**GOOD/AVG.**	**Broken branches, leaning, English ivy on trunk**
T842	**White pine**	***Pinus strobus***	**32.5**	**48.75**	**GOOD/AVG.**	**Broken branches, leaning, English ivy on trunk**
T843	**White pine**	***Pinus strobus***	**30**	**45.00**	**GOOD/AVG.**	**Broken branches, leaning, English ivy on trunk**
T844	Honeylocust	*Gleditsia triacanthos*	9.5	14.25	GOOD/AVG.	Winter eval
T845	Red maple	*Acer rubrum*	7.5	11.25	GOOD/AVG.	English ivy at base
T846	Redbud	*Cercis canadensis*	12	18.00	AVG.	Codominant leaders (9.5, 7); removed leader, crowded root zone, winter eval
T847	Black cherry	*Prunus serotina*	11	16.50	GOOD/AVG.	Leaning, crowded root zone
T848	Redbud	*Cercis canadensis*	10	15.00	AVG/POOR	Leaning, large crack in trunk
T849	Black cherry	*Prunus serotina*	22	33.00	GOOD/AVG.	English ivy on trunk, gravel lot in CRZ
T850	Tulip poplar	*Liriodendron tulipifera*	24.5	36.75	GOOD/AVG.	Leaning, gavel lot in CRZ
T851	Northern red oak	*Quercus rubra*	19	28.50	GOOD/AVG.	Gravel lot in CRZ
T852	Redbud	*Cercis canadensis*	9	13.50	AVG/POOR	English ivy in crown, ravel lot in CRZ
T853	White oak	*Quercus alba*	18	27.00	GOOD/AVG.	
T854	Mockernut hickory	*Carya tomentosa*	16	24.00	GOOD/AVG.	
T855	**Northern red oak**	***Quercus rubra***	**33**	**49.50**	**AVG.**	**Broken crown**
T856	Northern red oak	*Quercus rubra*	23	34.50	GOOD/AVG.	Leaning
T857	Mockernut hickory	*Carya tomentosa*	17.5	26.25	GOOD/AVG.	
T858	Mockernut hickory	*Carya tomentosa*	19.5	29.25	GOOD/AVG.	Road in CRZ
T859	Mockernut hickory	*Carya tomentosa*	13	19.50	GOOD/AVG.	
T860	Mockernut hickory	*Carya tomentosa*	18.5	27.75	GOOD/AVG.	
T861	Mockernut hickory	*Carya tomentosa*	13.5	20.25	GOOD/AVG.	
T862	Northern red oak	*Quercus rubra*	25	37.50	GOOD/AVG.	English ivy on trunk
T863	**Northern red oak**	***Quercus rubra***	**37**	**55.50**	**GOOD/AVG.**	**Road in CRZ**
T864	Cryptomeria	*Cryptomeria japonica*	9.5	14.25	GOOD/AVG.	
T865	Cryptomeria	*Cryptomeria japonica*	11.5	17.25	GOOD/AVG.	
T866	Tulip poplar	*Liriodendron tulipifera*	24	36.00	AVG.	Limited soil volume
T867	Tulip poplar	*Liriodendron tulipifera*	25.5	38.25	AVG.	Limited soil volume
T868	Tulip poplar	*Liriodendron tulipifera*	26	39.00	AVG.	Limited soil volume
T869	Paperbark maple	*Acer griseum*	7	10.50	AVG.	Limited soil volume
T870	Mockernut hickory	*Carya tomentosa*	21.5	32.25	GOOD/AVG.	
T871	Tulip poplar	*Liriodendron tulipifera*	13.5	20.25	GOOD/AVG.	
T872	Mockernut hickory	*Carya tomentosa*	19	28.50	AVG.	English ivy on trunk
T873	Tulip poplar	*Liriodendron tulipifera*	10.5	15.75	GOOD/AVG.	
T874	Black cherry	*Prunus serotina*	10.5	15.75	GOOD/AVG.	Broken branches, leaning, english ivy on trunk
T875	White oak	*Quercus alba*	12	18.00	GOOD/AVG.	English ivy on trunk
T876	White oak	*Quercus alba*	12	18.00	GOOD/AVG.	English ivy on trunk
T877	White oak	*Quercus alba*	22.5	33.75	GOOD/AVG.	
T878	Norway maple	*Acer platanoides*	11	16.50	GOOD/AVG.	
T879	Norway maple	*Acer platanoides*	12	18.00	GOOD/AVG.	
T880	Tulip poplar	*Liriodendron tulipifera*	23.5	35.25	GOOD/AVG.	English ivy at base
T881	Mockernut hickory	*Carya tomentosa*	10.5	15.75	GOOD/AVG.	Behind privacy fence, winter eval
T882	Tulip poplar	*Liriodendron tulipifera*	24.5	36.75	GOOD/AVG.	Behind privacy fence, englishivy on trunk
T883	Mockernut hickory	*Carya tomentosa*	11	16.50	GOOD/AVG.	English ivy on trunk
T884	American beech	*Fagus grandifolia*	14	21.00	GOOD/AVG.	English ivy on trunk
T885	Mockernut hickory	*Carya tomentosa*	10.5	15.75	GOOD/AVG.	English ivy at base
T886	**Tulip poplar**	***Liriodendron tulipifera***	**34**	**51.00**	**GOOD/AVG.**	
T887	American beech	*Fagus grandifolia*	29	43.50	GOOD/AVG.	
T888	**Tulip poplar**	***Liriodendron tulipifera***	**33**	**49.50**	**GOOD/AVG.**	**English ivy on trunk**
T889	Northern red oak	*Quercus rubra*	23.5	35.25	GOOD/AVG.	Leaning
T890	White oak	*Quercus alba*	18.5	27.75	AVG/POOR	Large wound on trunk, English ivy on trunk, very close to road
T891	American beech	*Fagus grandifolia*	27.5	41.25	GOOD/AVG.	Road in CRZ
T892	Tulip poplar	*Liriodendron tulipifera*	12	18.00	GOOD/AVG.	Road in CRZ, vines on trunk
T893	Tulip poplar	*Liriodendron tulipifera*	21.5	32.25	GOOD/AVG.	Road in CRZ, vines on trunk
T894	Norway maple	*Acer platanoides*	11	16.50	GOOD/AVG.	English ivy on trunk
T895	Mockernut hickory	*Carya tomentosa*	19	28.50	GOOD/AVG.	Lights equipment on trunk
T896	Mockernut hickory	*Carya tomentosa*	9.5	14.25	AVG.	English ivy on trunk, crowded root zone
T897	Black cherry	*Prunus serotina*	9	13.50	AVG.	Crowded root zone
T898	American beech	*Fagus grandifolia*	8	12.00	GOOD/AVG.	
T899	White oak	*Quercus alba*	12.5	18.75	GOOD/AVG.	English ivy on trunk
T900	White oak	*Quercus alba*	12	18.00	GOOD/AVG.	English ivy on trunk
T901	American beech	*Fagus grandifolia*	20.5	30.75	GOOD/AVG.	English ivy on trunk
T902	American beech	*Fagus grandifolia*	18.5	27.75	GOOD/AVG.	Crowded root zone
T903	White oak	*Quercus alba*	13	19.50	GOOD/AVG.	
T904	American beech	*Fagus grandifolia*	12.5	18.75	GOOD/AVG.	
T905	Mockernut hickory	*Carya tomentosa*	11	16.50	GOOD/AVG.	
T906	White oak	*Quercus alba*	12.5	18.75	GOOD/AVG.	English ivy on trunk
T907	Mockernut hickory	*Carya tomentosa*	11	16.50	GOOD/AVG.	English ivy on trunk
T908	American beech	*Fagus grandifolia*	17.5	26.25	AVG.	Parking lot in CRZ, callous on trunk
T909	American beech	*Fagus grandifolia*	11.5	17.25	GOOD/AVG.	Parking lot in CRZ
T910	Mockernut hickory	*Carya tomentosa*	8.5	12.75	AVG.	English ivy on trunk
T911	Black gum	*Nyssa sylvatica*	8	12.00	GOOD/AVG.	Parking lot in CRZ
T912	Black gum	*Nyssa sylvatica*	8.5	12.75	GOOD/AVG.	English ivy on trunk
T913	Mockernut hickory	*Carya tomentosa*	14.5	21.75	GOOD/AVG.	Lighting equipment on trunk, English ivy on trunk
T914	Mockernut hickory	*Carya tomentosa*	12.5	18.75	GOOD/AVG.	
T915	White pine	*Pinus strobus*	15.5	23.25	AVG.	Broken limbs and branches, poor form
T916	Arborvitae	*Thuja orientalis*	8.5	12.75	AVG/POOR	Dieback, leaning, poor form
T917	Arborvitae	*Thuja orientalis*	8	12.00	AVG/POOR	Dieback, leaning, poor form
T918	Black locust	*Robinia pseudoacacia*	17.5	26.25	AVG.	Vines on trunk, leaning, poor form
T919	Boxelder	*Acer negundo*	21	31.50	AVG/POOR	Large wounds on trunk, poor form
T920	White oak	*Quercus alba*	29	43.50	AVG.	Not flagged, in stream channel, vines on trunk
T921	American holly	*Ilex opaca*	7.5	11.25	AVG.	Not flagged, in stream channel, some dieback
T922	Northern red oak	*Quercus rubra*	14.5	21.75	AVG.	Not flagged, in stream channel, vines on trunk
T923	Tulip poplar	*Liriodendron tulipifera*	21	31.50	AVG/POOR	Not flagged, in stream channel, vines on trunk, small canopies, dieback
T924	Tulip poplar	*Liriodendron tulipifera*	28	42.00	AVG/POOR	Not flagged, in stream channel, vines on trunk, small canopies, dieback
T925	Red maple	*Acer rubrum*	15.5	23.25	AVG/POOR	Not flagged, in stream channel, vines on trunk
T926	Norway maple	*Acer platanoides*	22.5	33.75	AVG.	Vines on trunk, leaning, poor form, on embankment
T927	Norway maple	*Acer platanoides*	19	28.50	AVG.	Codominant leaders (7, 4.5, 5.5, 4, 10, 7, 7.5, 5); English ivy on trunk, included bark
T928	Siberian elm	*Ulmus pumila*	12	18.00	AVG.	Head wall in CRZ
T929	Redbud	*Cercis canadensis*	7	10.50	AVG.	Codominant leaders (5, 3.5, 4), limited soil volume
T930	**Tulip poplar**	***Liriodendron tulipifera***	**33.5**	**50.25**	**AVG.**	**On stream bank, vines on trunk**
T931	**Tulip poplar**	***Liriodendron tulipifera***	**43**	**64.50**	**GOOD/AVG.**	**On stream bank, vines on trunk, lopsided canopy**
T932	**Sycamore**	***Platanus occidentalis***	**31**	**46.50**	**AVG.**	**On stream bank, growing over stream, vines on trunk, leaning**
T933	**Northern red oak**	***Quercus rubra***	**38**	**57.00**	**GOOD/AVG.**	
T934	**Tulip poplar**	***Liriodendron tulipifera***	**33**	**49.50**	**AVG.**	**Debris leaning against tree from embankment, vines on trunk, thin canopy**
T935	**Tulip poplar**	***Liriodendron tulipifera***	**34.5**	**51.75**	**AVG.**	**Vines on trunk, thin canopy**
T936	**Tulip poplar**	***Liriodendron tulipifera***	**31**	**46.50**	**AVG/POOR**	**Tin canopy, lots of dieback, epicormic growth**
T937	**White oak**	***Quercus alba***	**30**	**45.00**	**GOOD/AVG.**	**English ivy on trunk, some broken branches**
T938	**White oak**	***Quercus alba***	**30**	**45.00**	**AVG.**	**Broken leader, small canopy, English ivy on trunk**
T939	**Tulip poplar**	***Liriodendron tulipifera***	**34.5**	**51.75**	**AVG.**	**Broken leaders and branches, vines on trunk**
T940	**Tulip poplar**	***Liriodendron tulipifera***	**30.5**	**45.75**	**GOOD/AVG.**	**Vines on trunk**
T941	**Tulip poplar**	***Liriodendron tulipifera***	**31**	**46.50**	**AVG.**	**Vines on trunk, small canopy**
T942	**Tulip poplar**	***Liriodendron tulipifera***	**42**	**63.00**	**AVG.**	**Vines on trunk, broken branches**
T943	**Northern red oak**	***Quercus rubra***	**31**	**46.50**	**GOOD/AVG.**	**Vines on trunk**
T944	**Northern red oak**	***Quercus rubra***	**32**	**48.00**	**AVG.**	**Leaning, broken branches, small canopy**
T945	**Cottonwood**	***Populus deltoides***	**33**	**49.50**	**AVG.**	**Heavily leaning, vines on trunk**
T946	**Northern red oak**	***Quercus rubra***	**31**	**46.50**	**POOR**	**Dieback, epicormic growth**
T947	**Tulip poplar**	***Liriodendron tulipifera***	**35**	**52.50**	**GOOD/AVG.**	**Leaning**
T948	**Northern red oak**	***Quercus rubra***	**32.5**	**48.75**	**AVG.**	**Vines on trunk, small canopy, broken limbs**
T949	**White oak**	***Quercus alba***	**30**	**45.00**	**AVG.**	**Vines on trunk, lopsided canopy**
T950	**Northern red oak**	***Quercus rubra***	**36.5**	**54.75**	**GOOD/AVG.**	**Leaning, vines on trunk**
T951	**White oak**	***Quercus alba***	**30.5**	**45.75**	**GOOD/AVG.**	
T952	**White oak**	***Quercus alba***	**30**	**45.00**	**GOOD/AVG.**	
T953	**Tulip poplar**	***Liriodendron tulipifera***	**35**	**52.50**	**AVG.**	**Broken leaders**
T954	**Northern red oak**	***Quercus rubra***	**36**	**54.00**	**GOOD/AVG.**	
T955	**Sycamore**	***Platanus occidentalis***	**36.5**	**54.75**	**GOOD/AVG.**	**English ivy on trunk**
T956	**White oak**	***Quercus alba***	**32.5**	**48.75**	**GOOD/AVG.**	
T957	**Northern red oak**	***Quercus rubra***	**33.5**	**50.25**	**GOOD/AVG.**	
T958	**Northern red oak**	***Quercus rubra***	**35**	**52.50**	**GOOD/AVG.**	**Small canopy**
T959	**White oak**	***Quercus alba***	**31**	**46.50**	**GOOD/AVG.**	
T960	**Sycamore**	***Platanus occidentalis***	**34**	**51.00**	**GOOD/AVG.**	**Vines on trunk, leaning**
T961	**Northern red oak**	***Quercus rubra***	**31.5**	**47.25**	**GOOD/AVG.**	**Leaning**
T962	**Northern red oak**	***Quercus rubra***	**30**	**45.00**	**GOOD/AVG.**	

*** BOLD DENOTES SPECIMEN TREE**
SHADED CELLS DENOTE TREE TO BE REMOVED

FOREST CONSERVATION WORKSHEET
LANDON SCHOOL

NET TRACT AREA:

A. Total tract area ...	69.74
B. Additions to tract area (Off-Site Work, etc.; construction required by this plan)...	0.00
C. Land dedication acres (parks, county facility, etc.) ...	0.00
D. Land dedication for roads or utilities (construction not required by this plan) ...	0.00
E. Area to remain in commercial agricultural production/use ...	0.00
F. Other deductions (specify) ..... Environmental features	24.38
G. Net Tract Area ....=	45.36

LAND USE CATEGORY: (from Chapter 22A-3. Definitions)
Input the number "1" under the appropriate land use,
limit to only one entry.

ARA	MDR	IDA	HDR	MPD	CIA
0	0	1	0	0	0

G. Afforestation Threshold ...	15%	x G =	6.80
H. Conservation Threshold ...	20%	x G =	9.07

EXISTING FOREST COVER:

I. Existing forest cover ....=	11.56
J. Area of forest above afforestation threshold ....=	4.76
K. Area of forest above conservation threshold ....=	2.49

BREAK EVEN POINT:

L. Forest retention above threshold with no mitigation ....=	9.57
M. Clearing permitted without mitigation ....=	1.99

PROPOSED FOREST CLEARING:

N. Total area of forest to be cleared ....=	0.10
O. Total area of forest to be retained ....=	11.46

PLANTING REQUIREMENTS:

P. Reforestation for clearing above conservation threshold ....=	0.03
Q. Reforestation for clearing below conservation threshold ....=	0.00
R. Credit for retention above conservation threshold ....=	2.39
S. Total reforestation required ....=	0.00
T. Total afforestation required ....=	0.00
U. Credit for landscaping (may not exceed 20% of "S") ....=	0.00
V. Total reforestation and afforestation required ....=	**0.00**

worksheet date 5/13/2019

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CONSULTANTS

STATE OF MARYLAND LANDSCAPE ARCHITECT
08/04/2020

LANDON SCHOOL

6101 WILSON LANE
BETHESDA, MD 20817

MARK	DATE	DESCRIPTION

M-NCPPC PROJECT NO: 420201370, 42021029E
PROJECT NO: 17-0250.002
SCALE: NOT TO SCALE
DESIGNED BY: AMT
DRAWN BY: AMT
CHECKED BY: AMT
SHEET TITLE

TREE TABLE

FC1.14

SHEET 15 OF 16

MONTGOMERY PLANNING DEPARTMENT
THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION
APPROVED - 42021029E
Stephen Peck (stephen.peck@montgomeryplanning.org)
09/28/20

MONTGOMERY COUNTY STANDARD FOREST CONSERVATION NOTES

THE PROPERTY OWNER IS RESPONSIBLE FOR ENSURING ALL TREE PROTECTION MEASURES ARE PERFORMED IN ACCORDANCE WITH THE APPROVED FINAL FOREST CONSERVATION PLAN OR TREE SAVE PLAN, AND AS MODIFIED IN THE FIELD BY A PLANNING DEPARTMENT FOREST CONSERVATION INSPECTOR. THE MEASURES MUST MEET OR EXCEED THE MOST RECENT STANDARDS PUBLISHED BY THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI A300).

PRE-CONSTRUCTION

1. AN ON-SITE PRE-CONSTRUCTION MEETING IS REQUIRED AFTER THE LIMITS OF DISTURBANCE HAVE BEEN STAKED AND FLAGGED AND BEFORE ANY LAND DISTURBANCE.

2. THE PROPERTY OWNER MUST ARRANGE FOR THE MEETING AND FOLLOWING PEOPLE MUST PARTICIPATE AT THE PRE-CONSTRUCTION MEETING: THE PROPERTY OWNER OR THEIR REPRESENTATIVE, CONSTRUCTION SUPERINTENDENT, INTERNATIONAL SOCIETY OF ARBORICULTURE (ISA) CERTIFIED ARBORIST/MARYLAND LICENSED TREE EXPERT (REPRESENTING OWNER) THAT WILL IMPLEMENT THE TREE PROTECTION MEASURES, THE PLANNING DEPARTMENT FOREST CONSERVATION INSPECTOR, AND MONTGOMERY COUNTY DEPARTMENT OF PERMITTING SERVICES (DPS) SEDIMENT CONTROL INSPECTOR. THE PURPOSE OF THIS MEETING IS VERIFY THE LIMITS OF DISTURBANCE AND DISCUSS SPECIFIC TREE PROTECTION AND TREE CARE MEASURES SHOWN ON THE APPROVED PLAN. NO LAND DISTURBANCE SHALL BEGIN BEFORE TREE PROTECTION AND STRESS-REDUCTION MEASURES HAVE BEEN IMPLEMENTED AND APPROVED BY THE PLANNING DEPARTMENT'S FOREST CONSERVATION INSPECTOR.

a. TYPICAL TREE PROTECTION DEVICES INCLUDE:
i. CHAIN LINK FENCE (FOUR FEET HIGH)
ii. SUPER SILT FENCE WITH WIRE STRUNG BETWEEN THE SUPPORT POLES (MINIMUM 4 FEET HIGH) WITH HIGH VISIBILITY FLAGGING.
iii. 14 GAUGE, 2 INCH X 4 INCH WELDED WIRE FENCING SUPPORTED BY STEEL T-BAR POSTS (MINIMUM 4 FEET HIGH) WITH HIGH VISIBILITY FLAGGING.
b. TYPICAL STRESS REDUCTION MEASURES MAY INCLUDE, BUT ARE NOT LIMITED TO:
i. ROOT PRUNING WITH A ROOT CUTTER OR VIBRATORY PLOW DESIGNED FOR THAT PURPOSE. TRENCHERS ARE NOT ALLOWED, UNLESS APPROVED BY THE FOREST CONSERVATION INSPECTOR
ii. CROWN REDUCTION OR PRUNING
iii. WATERING
iv. FERTILIZING
v. VERTICAL MULCHING
vi. ROOT AERATION SYSTEMS

MEASURES NOT SPECIFIED ON THE FOREST CONSERVATION PLAN MAY BE REQUIRED AS DETERMINED BY THE FOREST CONSERVATION INSPECTOR IN COORDINATION WITH THE PROPERTY OWNER'S ARBORIST.

3. A MARYLAND LICENSED TREE EXPERT MUST PERFORM, OR DIRECTLY SUPERVISE, THE IMPLEMENTATION OF ALL STRESS REDUCTION MEASURES. DOCUMENTATION OF THE PROCESS (INCLUDING PHOTOGRAPHS) MAY BE REQUIRED BY THE FOREST CONSERVATION INSPECTOR, AND WILL BE DETERMINED AT THE PRE-CONSTRUCTION MEETING.

4. TEMPORARY TREE PROTECTION DEVICES MUST BE INSTALLED PER THE APPROVED FOREST CONSERVATION PLAN, EXEMPTION PLAN, OR TREE SAVE PLAN AND PRIOR TO ANY LAND DISTURBANCE. THE FOREST CONSERVATION INSPECTOR, IN COORDINATION WITH THE DPS SEDIMENT CONTROL INSPECTOR, MAY MAKE FIELD ADJUSTMENTS TO INCREASE THE SURVIVABILITY OF TREES AND FOREST SHOWN AS SAVED ON THE APPROVED PLAN.

5. TREE PROTECTION FENCING MUST BE INSTALLED AND MAINTAINED BY THE PROPERTY OWNER FOR THE DURATION OF CONSTRUCTION PROJECT AND MUST NOT BE ALTERED WITHOUT PRIOR APPROVAL FROM THE FOREST CONSERVATION INSPECTOR. ALL CONSTRUCTION ACTIVITY WITHIN PROTECTED TREE AND FOREST AREAS IS PROHIBITED. THIS INCLUDES THE FOLLOWING ACTIVITIES:
   a. PARKING OR DRIVING OF EQUIPMENT, MACHINERY OR VEHICLES OF ANY TYPE.
   b. STORAGE OF ANY CONSTRUCTION MATERIALS, EQUIPMENT, STOCKPILING, FILL, DEBRIS, ETC.
   c. DUMPING OF ANY CHEMICALS (I.E., PAINT THINNER), MORTAR OR CONCRETE REMAINDER, TRASH, GARBAGE, OR DEBRIS OF ANY KIND.
   d. FELLING OF TREES INTO A PROTECTED AREA.
   e. TRENCHING OR GRADING FOR UTILITIES, IRRIGATION, DRAINAGE, ETC.

6. FOREST AND TREE PROTECTION SIGNS MUST BE INSTALLED AS REQUIRED BY THE FOREST CONSERVATION INSPECTOR. THE SIGNS MUST BE WATERPROOF AND WORDING PROVIDED IN BOTH ENGLISH AND SPANISH.

DURING CONSTRUCTION

7. PERIODIC INSPECTIONS WILL BE MADE BY THE FOREST CONSERVATION INSPECTOR. CORRECTIONS AND REPAIRS TO TREE PROTECTION DEVICES MUST BE COMPLETED WITHIN THE TIMEFRAME GIVEN BY THE INSPECTOR.

8. THE PROPERTY OWNER MUST IMMEDIATELY NOTIFY THE FOREST CONSERVATION INSPECTOR OF ANY DAMAGE TO TREES, FORESTS, UNDERSTORY, GROUND COVER, AND ANY OTHER UNDISTURBED AREAS SHOWN ON THE APPROVED PLAN. REMEDIAL ACTIONS, AND THE RELATIVE TIMEFRAMES TO RESTORE THESE AREAS, WILL BE DETERMINED BY THE FOREST CONSERVATION INSPECTOR.

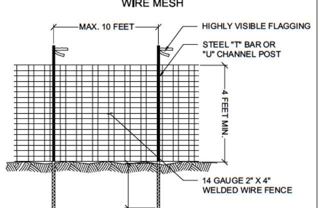
POST-CONSTRUCTION

9. AFTER CONSTRUCTION IS COMPLETED, BUT BEFORE TREE PROTECTION DEVICES HAVE BEEN REMOVED, THE PROPERTY OWNER MUST REQUEST A FINAL INSPECTION WITH THE FOREST CONSERVATION INSPECTOR. AT THE FINAL INSPECTION, THE FOREST CONSERVATION INSPECTOR MAY REQUIRE ADDITIONAL CORRECTIVE MEASURES, WHICH MAY INCLUDE:
   a. REMOVAL, AND POSSIBLE REPLACEMENT, OF DEAD, DYING, OR HAZARDOUS TREES
   b. PRUNING OF DEAD OR DECLINING LIMBS
   c. SOIL AERATION
   d. FERTILIZATION
   e. WATERING
   f. WOUND REPAIR
   g. CLEAN UP OF RETENTION AREAS, INCLUDING TRASH REMOVAL

10. AFTER THE FINAL INSPECTION AND COMPLETION OF ALL CORRECTIVE MEASURES THE FOREST CONSERVATION INSPECTOR WILL REQUEST ALL TEMPORARY TREE AND FOREST PROTECTION DEVICES BE REMOVED FROM THE SITE. REMOVAL OF TREE PROTECTION DEVICES THAT ALSO OPERATE FOR EROSION AND SEDIMENT CONTROL MUST BE COORDINATED WITH BOTH DPS AND THE FOREST CONSERVATION INSPECTOR AND CANNOT BE REMOVED WITHOUT PERMISSION OF THE FOREST CONSERVATION INSPECTOR. NO ADDITIONAL GRADING, SODDING, OR BURIAL MAY TAKE PLACE AFTER THE TREE PROTECTION FENCING IS REMOVED.

11. LONG-TERM PROTECTION MEASURES, INCLUDING PERMANENT SIGNAGE, MUST BE INSTALLED PER THE APPROVED PLAN. INSTALLATION WILL OCCUR AT THE APPROPRIATE TIME DURING THE CONSTRUCTION PROJECT. REFER TO THE APPROVED PLAN DRAWING FOR THE LONG-TERM PROTECTION MEASURES TO BE INSTALLED.

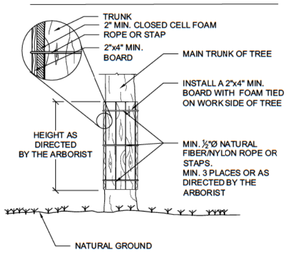
TREE PROTECTION FENCING
WIRE MESH



NOTES:
1. FOREST PROTECTION DEVICE ONLY
2. SET TREE RETENTION AREA AS PART OF THE PRE-CONSTRUCTION REVIEW PROCESS
3. STAKE & FLAG THE BOUNDARIES OF RETENTION AREA PRIOR TO INSTALLATION OF DEVICE
4. AVOID INJURY TO ROOTS WHEN PLACING POSTS FOR THE SIGNS.
5. PROTECTIVE SIGNAGE IS REQUIRED
6. MAINTAIN THE DEVICE THROUGHOUT CONSTRUCTION.
7. ALTERNATIVE TREE PROTECTION DEVICES (IN LIEU OF WIRE MESH): SUPER SILT FENCE (SSF) OR 3 STRANDS OF SMOOTH 12 GAUGE WIRE. ATTACH HIGHLY VISIBLE FLAGGING TO WIRES @ 12" O.C.

NOT TO SCALE

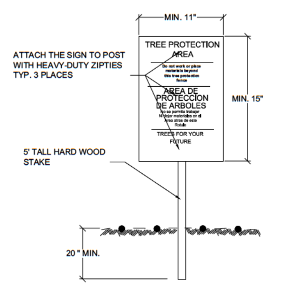
TRUNK PROTECTION DETAIL



NOTES:
1. COMPLETE ALL INSTALLATION UNDER THE DIRECTION OF A CERTIFIED ARBORIST
2. TIE BOARDS WITH WITH 1/2" DIAMETER ROPE OR STAPS SUFFICIENT TO PROTECT ALL AREAS OF THE TREE EXPOSED TO CONSTRUCTION.
3. PROTECT THE TRUNK FROM DAMAGE DUE TO THE STRAPS WITH ADDITIONAL FOAM AND BOARDS AS NEEDED

NOT TO SCALE

TREE PROTECTION SIGNAGE



NOTES:
1. ATTACHMENT OF SIGNS TO TREES IS PROHIBITED.
2. SIGNS SHOULD BE PROPERLY MAINTAINED.
3. AVOID INJURY TO ROOTS WHEN PLACING POSTS FOR THE SIGNS.

NOT TO SCALE

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CONSULTANTS

08/04/2020

LANDON SCHOOL

6101 WILSON LANE
BETHESDA, MD 20817

MARK	DATE	DESCRIPTION

M-NCPPC PROJECT NO:	420201370, 42021029E
PROJECT NO:	17-0250.002
SCALE:	NOT TO SCALE
DESIGNED BY:	AMT
DRAWN BY:	AMT
CHECKED BY:	AMT

SHEET TITLE

NOTES AND DETAILS

FC1.15

SHEET 16 OF 16

Landon School
6101 Wilson Lane
Bethesda, MD 20817

Adjoining/Confronting Property Owners

Case Number: S-686-C

	NAME	MAILING ADDRESS
PETITIONER/APPELLANT	James Neill, Headmaster Landon School	6101 Wilson Lane Bethesda, MD 20817
ATTORNEY/AGENT	Patrick O'Neil Lerch, Early & Brewer, Chtd.	7600 Wisconsin Avenue Suite 700 Bethesda, MD 20814
PROPERTY OWNER	James Neill, Headmaster Landon School	6101 Wilson Lane Bethesda, MD 20817

Adjoining/Confronting Property Owners

Name	Address	Lot	Block	Tax Acct.
JUSTIN R FIDLER	6106 WILSON LN BETHESDA, MD 20817	1	4	07-00613657
ROBERT G BREWER JR TR	2000 TOWER OAKS BLVD 8FL ROCKVILLE, MD 20852	1	15	07-03091056
MARK B BIERBOWER & ELEANOR DEANE BIERBOWER	6861 NORTH OCEAN BLVD #306 OCEAN RIDGE, FL 33435	1	16	07-03091067
NURAY O ANAHTAR YAVUZ A ANAHTAR	6111 BRADLEY BLVD BETHESDA, MD 20817	1	80	07-01813966
JOSEPH CHOW & LEE-FANG LIN	6115 BRADLEY BLVD BETHESDA, MD 20817	1	81	07-01813977
MORAD A BOROOMAND KAREN A MICHAEL	6121 BRADLEY BLVD BETHESDA, MD 20817	1	82	07-01813988
FARZIN ARSANJANI & LIELA LADJEVARDI	6125 BRADLEY BLVD BETHESDA, MD 20817	1	83	07-01813990
MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION	8787 GEORGIA AVE SILVER SPRING, MD 20910	1	Lot 9, pt lts 3-5 and 8	07-01736014
SANJAY GUMMALLA MALAVIKA MANTRY	6108 WILSON LN BETHESDA, MD 20817	2	1	07-00612881
ZACHARY T LEVINE & JENNIFER AVELLINO	5912 ABERDEEN RD BETHESDA, MD 20817	2	6	07-00652157
JOE SEQUEIRA HEIDE SEQUEIRA	7805 WESTFIELD DR BETHESDA, MD 20817	2	10	07-00613681
SUZANNE C & M P KEANE	6116 WILSON LA BETHESDA, MD 20817	2	11	07-00613191

Landon School
6101 Wilson Lane
Bethesda, MD 20817

Adjoining/Confronting Property Owners

Case Number: S-686-C

PATRICK M & D D KELSEY	6114 WILSON LA BETHESDA, MD 20817	2	12	07-00613830
JEAN J JOH ARMIN ABRON	6112 WILSON LN BETHESDA, MD 20814	2	13	07-00613670
YEN P PHUNG ET AL TR	6110 WILSON LN BETHESDA, MD 20817	2	14	07-00613351
JONATHAN R ADLER & MARY BEALL ADLER	7804 WESTFIELD DR BETHESDA, MD 20817	3	1	07-00612994
ROBERT D & S I CLARK	8502 EWING DR BETHESDA, MD 20817	3	35	07-00588175
JOHN C & C K ENGLISH	8101 RAYBURN RD BETHESDA, MD 20817	4	23	07-00651995
NAYEREH N GHAMARIAN & SARANG AZMOODEH	6017 BRADLEY BLVD BETHESDA, MD 20817	4	29	07-00585536
CHRISTINE THEOHARIS	6015 BRADLEY BLVD BETHESDA, MD 20817	4	30	07-00587581
FEREYDOUN & P MOHTASHEMI	6013 BRADLEY BLVD BETHESDA, MD 20817	4	31	07-00584953
NIANNING ZENG & QI GE	6011 BRADLEY BLVD BETHESDA, MD 20817	4	32	07-00585616
RICHARD JEREMY NORMAN MIRIAN DE OSSORNO	6040 BRADLEY BLVD BETHESDA, MD 20817	5	1	07-00652022
JACOB FARBER MARY FARBER	6030 BRADLEY BLVD BETHESDA, MD 20817	5	2	07-00652102
ROMINA BYRD JASON L BYRD	6001 SELVYN RD BETHESDA, MD 20817	5	3	07-00652011
PETROS G MARAFATSOS NIKKI M MARAFATSOS	2615 BELLE CREST LN SILVER SPRING, MD 20906	5	4	07-00651814
PETER JANG BELA JANG	6009 SELVYN RD BETHESDA, MD 20817	5	5	07-00652077
ROBIN D FROSH DAVID E WILLIAMS	6013 SELVYN RD BETHESDA, MD 20817	5	6	07-03034980
LANDON SCHOOL CORP	6101 WILSON LANE BETHESDA, MD 20817	5	7	07-03034991
VIKRAM K TOHAN ROHIN S TOHAN	6022 DELLWOOD PL BETHESDA, MD 20817	1A	5	07-00652055
RUTH J LOZNER & RICHARD J NOVAK	6025 DELLWOOD PL BETHESDA, MD 20817	1A	6	07-00652000
JUDITH N JOHNSON TR	6200 BRADLEY BLVD BETHESDA, MD 20817	A	1	07-00435077

Landon School
6101 Wilson Lane
Bethesda, MD 20817

Adjoining/Confronting Property Owners

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CHARLES S MELLEY HELENA BARRINGER	6102 WILSON LN BETHESDA, MD 20817	A	1	07-00646646
KOUROSH AMIN-TEHRANI	11708 COLDSTREAM DR POTOMAC, MD 20854	A	2	07-00647264
JERSEY CHEN AMANDA WAI-YUN PONG	6303 POE RD BETHESDA, MD 20817	A	8	07-00426962
MARY LOU HOWELL	6205 POE RD BETHESDA, MD 20817	A	10	07-00418791
MIGUEL J & ANA L GUTIERREZ	6211 POE RD BETHESDA, MD 20817	A	11	07-00436425
SAMUEL & DEBRA S OLCHYK	6209 POE RD BETHESDA, MD 20817	A	12	07-00429453
STUART R CHAPMAN PATRICIA ANNE CHAPMAN	6300 POE RD BETHESDA, MD 20817	B	1	07-00434701
BRETT D TAXIN JULIA I TAXIN	6305 ALCOTT RD BETHESDA, MD 20817	B	4	07-00427693
KUNNATHA K & INDIRA RAVINDRAN	6026 WILSON LN BETHESDA, MD 20817	B	22	07-00646863
ARTHUR B SACKLER ET AL	6024 WILSON LN BETHESDA, MD 20817	B	23	07-00647344
ZAIJIN ZHAN KAN CAO	6022 WILSON LN BETHESDA, MD 20817	B	24	07-00646910
SHELBY L & K R STANTON	6020 WILSON LA BETHESDA, MD 20817	B	25	07-00647311
PETER A KUNZ	6018 WILSON LA BETHESDA, MD 20817	B	26	07-00647140
JAMES K RUSSELL & DIANA WINTERSON	6000 WILSON LN BETHESDA, MD 20817	B	27	07-00646668
SCOTT L SMITH	6304 ALCOTT RD BETHESDA, MD 20817	C	2	07-00433934
DAVID JOHN MUSON AMANDA N FRANKLIN	6308 ALCOTT RD BETHESDA, MD 20817	C	6	07-00425535
CHRISTINE P LYNN ROBERT WILLIAM LYNN	6310 ALCOTT RD BETHESDA, MD 20817	C	7	07-00425898
JONATHAN C FRITTS JULIE FRITTS	6312 ALCOTT RD BETHESDA, MD 20817	C	8	07-00424371
LANDON SCHOOL CORP	6101 WILSON LANE BETHESDA, MD 20817	C	9	07-00426780
LANDON SCHOOL CORP	6101 WILSON LANE BETHESDA, MD 20817	D	1	07-00426687

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SCOTT D SHAPIRO JARA SHAPIRO	6322 ALCOTT RD BETHESDA, MD 20817	D	1	07-00630754
LANDON SCHOOL CORP	6101 WILSON LANE BETHESDA, MD 20817	D	2	07-00426698
MARK H KOPELMAN ERIN L KOPELMAN	8311 WHITTIER BLVD BETHESDA, MD 20817	D	4	07-03437563
SUSANNA G MICHELSEN & ALAN L HERMESCH	6318 ALCOTT RD BETHESDA, MD 20817	D	5	07-00630685
REBECCA J WERTZ	8309 WHITTIER BLVD BETHESDA, MD 20817	D	7	07-00631428
MICHAEL C & BEATRIZ B LILES	8307 WHITTIER BLVD BETHESDA, MD 20817	D	8	07-01995986
WALTER J & REBECCA T SCZUDLO	8305 WHITTIER BLVD BETHESDA, MD 20817	D	9	07-01995997
SETH A & J E GOLDBERG	8303 WHITTIER BLVD BETHESDA, MD 20817	D	10	07-01996002
WARREN STROBER ET AL TRUSTEES	8301 WHITTIER BLVD BETHESDA, MD 20817	D	11	07-01996013
SUSANNA G MICHELSEN & ALAN L HERMESCH	6318 ALCOTT RD BETHESDA, MD 20817	D	P6	07-00630696
KATHRYN A SKLAR ET AL	6314 ALCOTT RD BETHESDA, MD 20817	D	P6	07-02439965
KEIKO ISHIDA	6206 WILSON LN BETHESDA, MD 20817	E	2	07-00626546
MARIA EUGENIA BALDWIN ANNA MARIA EIGEN	6204 WILSON LN BETHESDA, MD 20817	E	3	07-00626342
BEVERLY DANKOWITZ DEAN PLOTNICK	6202 WILSON LN BETHESDA, MD 20817	E	4	07-00627038
MUTHUTHAMBY & M SREETHARAN	6300 WILSON LA BETHESDA, MD 20817	F	1	07-00627450
SURINEDER K & PRATIBHA ARORA	8316 THOREAU DR BETHESDA, MD 20817	K	29	07-03537594
MARCELLE YUINANG KOUMBA AYO CLAUDE BRICE OGANDAGA AYO	8319 THOREAU DR BETHESDA, MD 20817	L	10	07-00631452
NAVEEN & VANDANA SARNA	7600 HEMLOCK ST BETHESDA, MD 20817	L	19	07-00631430
ALBERT R HINTON ET AL	9723 AVENEL FARM DR POTOMAC, MD 20854	U	13	07-00630823

Landon School
6101 Wilson Lane
Bethesda, MD 20817

Adjoining/Confronting Property Owners

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EDWARD A UGEL SHARI N PERRY	8112 WHITTIER BLVD BETHESDA, MD 20817	U	14	07-00630218
ALI HARIRINIA & SUSAN FARZANEHPOUR	5817 LENOX RD BETHESDA, MD 20817	U	15	07-00630960
NUMA MAGALHAES & BEATRIZ S PINTO	8108 WHITTIER BLVD BETHESDA, MD 20817	U	16	07-00631372
HOWARD A & JULIA AWOLF-RODDA	8106 WHITTIER BLVD BETHESDA, MD 20817	U	17	07-00631634
JOHN S CLASS ET AL TR	8000 WHITTIER BLVD BETHESDA, MD 20817	V	23	07-00630914
XIAOPING QIAO ZHE ZHAO	11000 RIVERWOOD DR POTOMAC, MD 20854	W	1	07-00629790
ESREF & G ERKMEN	8005 WHITTIER BLVD BETHESDA, MD 20817	W	2	07-00631612
DAVID M SMITH KATHERINE M SMITH	8007 WHITTIER BLVD BETHESDA, MD 20817	W	3	07-00631485
GRACIELA LITUMA TR	8009 WHITTIER BLVD BETHESDA, MD 20817	W	4	07-00630060
ANDREW L & TERRI A SILVER JOINT REV TR	8011 WHITTIER BLVD BETHESDA, MD 20817	W	5	07-00631100
CHRISTOPHER J & COLYN C CAIN	8013 WHITTIER BLVD BETHESDA, MD 20817	W	6	07-00630787
ILDIKO M YENI-KOMSHIAN ET AL TR	7302 BURDETTE CT BETHESDA, MD 20817	W	7	07-00629915
TERESA C WU TR	8017 WHITTIER BLVD BETHESDA, MD 20817	W	8	07-00630880
SELCUK & M OZGEDIZ	8019 WHITTIER BLVD BETHESDA, MD 20817	W	9	07-00631383
JOHN J WHITE LINDSAY C WHITE	8101 WHITTIER BLVD BETHESDA, MD 20817	W	10	07-00630435
IGOR DOROKHINE OLGA DOROKHINA	8103 WHITTIER BLVD BETHESDA, MD 20817	W	11	07-00630424
XIAOPING QIAO ZHE ZHAO	11000 RIVERWOOD DR POTOMAC, MD 20854	W	OUTLOT A	07-00629802
IGOR DOROKHINE OLGA DOROKHINA	8103 WHITTIER BLVD BETHESDA, MD 20817	W	OUTLOT B	07-00631304
LANDON SCHOOL CORP	6101 WILSON LANE BETHESDA, MD 20817		N406, PT PARCEL A	07-00426701
LANDON SCHOOL CORP	6101 WILSON LANE BETHESDA, MD 20817		N432, PT PARCEL A	07-00426676

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LANDON SCHOOL CORP	6101 WILSON LANE BETHESDA, MD 20817		N489, P2	07-00428881
JACK C FENSTERSTOCK & MARY J NORMANDY	6106 BRADLEY BLVD BETHESDA, MD 20817		N490, LOT P2	07-00428904
JACK C FENSTERSTOCK & MARY J NORMANDY	6106 BRADLEY BLVD BETHESDA, MD 20817		N537, P1	07-00428892
LOUISE & THEODORE A GASKIN	6030 DELLWOOD PL BETHESDA, MD 20817		N652, LT P2, LOT 3	07-00429921
MARIA SZALAY	8106 MERRICK RD BETHESDA, MD 20817		N698, LOT 4	07-00416622
SETH A & J E GOLDBERG	8303 WHITTIER BLVD BETHESDA, MD 20817		P558	07-02133008
BOARD OF EDUCATION	850 HUNGERFORD DR ROCKVILLE, MD 20850		P958	07-00417901

JAMES NEILL, HEADMASTER
LANDON SCHOOL
6101 WILSON LANE
BETHESDA, MD 20817

PATRICK O'NEIL
LERCH, EARLY & BREWER
7600 WISCONSIN AVE SUITE 700
BETHESDA, MD 20814

JUSTIN R FIDLER
6106 WILSON LN
BETHESDA, MD 20817

ROBERT G BREWER JR TR
2000 TOWER OAKS BLVD 8FL
ROCKVILLE, MD 20852

MARK B BIERBOWER &
ELEANOR DEANE BIERBOWER
6861 NORTH OCEAN BLVD #306
OCEAN RIDGE, FL 33435

NURAY O ANAHTAR
YAVUZ A ANAHTAR
6111 BRADLEY BLVD
BETHESDA, MD 20817

JOSEPH CHOW &
LEE-FANG LIN
6115 BRADLEY BLVD
BETHESDA, MD 20817

MORAD A BOROOMAND
KAREN A MICHAEL
6121 BRADLEY BLVD
BETHESDA, MD 20817

FARZIN ARSANJANI
LIELA LADJEVARDI
6125 BRADLEY BLVD
BETHESDA, MD 20817

M-NCPPC
8787 GEORGIA AVE
SILVER SPRING, MD 20910

SANJAY GUMMALLA
MALAVIKA MANTRY
6108 WILSON LN
BETHESDA, MD 20817

ZACHARY T LEVINE &
JENNIFER AVELLINO
5912 ABERDEEN RD
BETHESDA, MD 20817

JOE SEQUEIRA
HEIDE SEQUEIRA
7805 WESTFIELD DR
BETHESDA, MD 20817

SUZANNE C & M P KEANE
6116 WILSON LA
BETHESDA, MD 20817

PATRICK M & D KELSEY
6114 WILSON LA
BETHESDA, MD 20817

JEAN J JOH
ARMIN ABRON
6112 WILSON LN
BETHESDA, MD 20814

YEN P PHUNG ET AL TR
6110 WILSON LN
BETHESDA, MD 20817

JONATHAN R ADLER &
MARY BEALL ADLER
7804 WESTFIELD DR
BETHESDA, MD 20817

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8502 EWING DR
BETHESDA, MD 20817

JOHN C & C K ENGLISH
8101 RAYBURN RD
BETHESDA, MD 20817

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SARANG AZMOODEH
6017 BRADLEY BLVD
BETHESDA, MD 20817

CHRISTINE THEOHARIS
6015 BRADLEY BLVD
BETHESDA, MD 20817

FEREYDOUN & P MOHTASHEMI
6013 BRADLEY BLVD
BETHESDA, MD 20817

NIANNING ZENG & QI GE
6011 BRADLEY BLVD
BETHESDA, MD 20817

LANDON SCHOOL CORP
6040 BRADLEY BLVD
BETHESDA, MD 20817

JACOB FARBER
MARY FARBER
6030 BRADLEY BLVD
BETHESDA, MD 20817

ROMINA BYRD
JASON L BYRD
6001 SELVYN RD
BETHESDA, MD 20817

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NIKKI M MARAFATSOS
2615 BELLE CREST LN
SILVER SPRING, MD 20906

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BELA JANG
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ROBIN D FROSH
DAVID E WILLIAMS
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LANDON SCHOOL CORP
6101 WILSON LANE
BETHESDA, MD 20817

VIKRAM K TOHAN
ROHIN S TOHAN
6022 DELLWOOD PL
BETHESDA, MD 20817

RUTH J LOZNER
RICHARD J NOVAK
6025 DELLWOOD PL
BETHESDA, MD 20817

JUDITH N JOHNSON TR
6200 BRADLEY BLVD
BETHESDA, MD 20817

CHARLES S MELLEY
HELENA BARRINGER
6102 WILSON LN
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KOUROSH AMIN-TEHRANI
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POTOMAC, MD 20854

JERSEY CHEN
AMANDA WAI-YUN PONG
6303 POE RD
BETHESDA, MD 20817

MIGUEL J & ANA L GUTIERREZ
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SAMUEL & DEBRA S OLCHYK
6209 POE RD
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SHELBY L & K R STANTON
6020 WILSON LA
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PETER A KUNZ
6018 WILSON LA
BETHESDA, MD 20817

JAMES K RUSSELL &
DIANA WINTERSON
6000 WILSON LN
BETHESDA, MD 20817

SCOTT L SMITH
6304 ALCOTT RD
BETHESDA, MD 20817

DAVID JOHN MUSON
AMANDA N FRANKLIN
6308 ALCOTT RD
BETHESDA, MD 20817

CHRISTINE P LYNN
ROBERT WILLIAM LYNN
6310 ALCOTT RD
BETHESDA, MD 20817

JONATHAN C FRITTS
JULIE FRITTS
6312 ALCOTT RD
BETHESDA, MD 20817

SCOTT D SHAPIRO
JARA SHAPIRO
6322 ALCOTT RD
BETHESDA, MD 20817

MARK H KOPELMAN
ERIN L KOPELMAN
8311 WHITTIER BLVD
BETHESDA, MD 20817

SUSANNA G MICHELSEN
& ALAN L HERMESCH
6318 ALCOTT RD
BETHESDA, MD 20817

REBECCA J WERTZ
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BETHESDA, MD 20817

WARREN STROBER ET AL
TRUSTEES
8301 WHITTIER BLVD
BETHESDA, MD 20817

SUSANNA G MICHELSEN
& ALAN L HERMESCH
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BETHESDA, MD 20817

KATHRYN A SKLAR ET AL
6314 ALCOTT RD
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KEIKO ISHIDA
6206 WILSON LN
BETHESDA, MD 20817

MARIA EUGENIA BALDWIN
ANNA MARIA EIGEN
6204 WILSON LN
BETHESDA, MD 20817

BEVERLY DANKOWITZ
DEAN PLOTNICK
6202 WILSON LN
BETHESDA, MD 20817

MUTHUTHAMBY &
M SREETHARAN
6300 WILSON LA
BETHESDA, MD 20817

SURINEDER K &
PRATIBHA ARORA
8316 THOREAU DR
BETHESDA, MD 20817

MARCELLE YUINANG KOUMBA AYO
CLAUDE BRICE OGANDAGA AYO
8319 THOREAU DR
BETHESDA, MD 20817

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7600 HEMLOCK ST
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ALBERT R HINTON ET AL
9723 AVENEL FARM DR
POTOMAC, MD 20854

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SHARI N PERRY
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BEATRIZ S PINTO
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BETHESDA, MD 20817

HOWARD A & JULIA AWOLF-
RODDA
8106 WHITTIER BLVD
BETHESDA, MD 20817

JOHN S CLASS ET AL TR
8000 WHITTIER BLVD
BETHESDA, MD 20817

XIAOPING QIAO
ZHE ZHAO
11000 RIVERWOOD DR
POTOMAC, MD 20854

ESREF & G ERKMEN
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KATHERINE M SMITH
8007 WHITTIER BLVD
BETHESDA, MD 20817

GRACIELA LITUMA TR
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BETHESDA, MD 20817

ANDREW L & TERRI A
SILVER JOINT REV TR
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BETHESDA, MD 20817

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COLYN C CAIN
8013 WHITTIER BLVD
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ILDIKO M YENI-KOMSHIAN
ET AL TR
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BETHESDA, MD 20817

TERESA C WU TR
8017 WHITTIER BLVD
BETHESDA, MD 20817

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8019 WHITTIER BLVD
BETHESDA, MD 20817

JOHN J WHITE
LINDSAY C WHITE
8101 WHITTIER BLVD
BETHESDA, MD 20817

IGOR DOROKHINE
OLGA DOROKHINA
8103 WHITTIER BLVD
BETHESDA, MD 20817Q

MARY LOU HOWELL
6205 POE RD
BETHESDA, MD 20817

JACK C FENSTERSTOCK &
MARY J NORMANDY
6106 BRADLEY BLVD
BETHESDA, MD 20817

LOUISE & THEODORE A GASKIN
6030 DELLWOOD PL
BETHESDA, MD 20817

MARIA SZALAY
8106 MERRICK RD
BETHESDA, MD 20817

SETH A & J E GOLDBERG
8303 WHITTIER BLVD
BETHESDA, MD 20817

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ROCKVILLE, MD 20850

RICHARD JEREMY NORMAN
MIRIAN DE OSSORNO
6040 BRADLEY BLVD.
BETHESDA, MD 20817

Landon School
6101 Wilson Lane
Bethesda, MD 20817

Homeowners Associations and Civic Associations

Case Number: S-686-C

	NAME	MAILING ADDRESS
PETITIONER/APPELLANT	James Neill, Headmaster Landon School	6101 Wilson Lane Bethesda, MD 20817
ATTORNEY/AGENT	Patrick O'Neil Lerch, Early & Brewer, Chtd.	7600 Wisconsin Avenue Suite 700 Bethesda, MD 20814
PROPERTY OWNER	James Neill, Headmaster Landon School	6101 Wilson Lane Bethesda, MD 20817

Homeowners Associations and Civic Associations

Name	Address
Bethesda-Chevy Chase CC c/o Ginanne Italiano, Executive Director	7910 Woodmont Avenue #1204 Bethesda, MD 20814
Bethesda Coalition c/o Dennis Wood, President	4109 Woodbine Street Chevy Chase, MD 20815
Bradley Boulevard Citizens Association c/o Gail Bancroft, President	7010 Armat Drive Bethesda, MD 20817
Bradmoor Neighborhood Association c/o Laura Hayes-Heuer, Secretary	8615 Hartsdale Avenue Bethesda, MD 20817
Burning Tree Civic Assn. c/o George Springston, President	8436 Burning Tree Road Bethesda, MD 20817
East County Citizens Advisory Board	3300 Briggs Chaney Road Silver Spring, MD 20904
Edgewood/Glenwood Citizens Assn c/o Jaime Zimmerman, Past-President	8515 Hazelwood Drive Bethesda, MD 20814
Edgewood/Glenwood Citizens Assn. c/o Rich Derksen, President	8514 Hazelwood Drive Bethesda, MD 20814
English Village Assn. c/o Lynn Barclay, Contact	5719 Aberdeen Road Bethesda, MD 20814
English Village Assn. c/o Marcia Sullivan, President	5715 Wilson Lane Bethesda, MD 20817
Greenwich Forest Citizens Assn. c/o Christine Parker, Co-President	8020 Hampden Lane Bethesda, MD 20814
Hillmead Citizens Assn. c/o Tom Whiteman, President	8723 Ridge Road Bethesda, MD 20817
Huntington Terrace Citizens Assn c/o Amy Royden-Bloom, Resident	5514 Southwick Street Bethesda, MD 20817

Landon School
6101 Wilson Lane
Bethesda, MD 20817

Homeowners Associations and Civic Associations

Case Number: S-686-C

Huntington Terrace Citizens Assn c/o Howard Sokolove, Resident	5600 Lincoln Street Bethesda, MD 20817
Huntington Terrace Citizens Assn. c/o Bob Deans, Resident	5607 Lincoln Street Bethesda, MD 20817
Huntington Terrace Citizens Assn. c/o Maggie Bree, Co-President	8808 Grant Street Bethesda, MD 20817
Kenwood Park Citizens Assn. c/o Krishna Collie, President	5816 Marbury Road Bethesda, MD 20817
Montgomery County Civic Federation c/o Bailey Condrey, President	10205 Parkwood Drive Kensington, MD 20895
Montgomery County Renters Alliance Inc. c/o Matthew Losak , Director	1001 Spring Street #316 Silver Spring, MD 20910
Montgomery County Taxpayers League c/o Joan Fidler, President	7400 Pyle Road Bethesda, MD 20817
Montgomery Preservation, Inc. c/o Judith Christensen, Director	6 Walker Avenue Gaithersburg, MD 20877
Northern Montgomery County Alliance c/o Julius Cinque, Chair	22300 Slidell Road Boyds, MD 20841
Paloma Court Homeowners c/o David Gonzalles, President	7915 Springer Road Bethesda, MD 20817
Sierra Club - Montgomery County Group Attn: Jennifer Rossmere, Treasurer	P O Box 4024 Rockville, MD 20849
South Bradley Hills Neighborhood Attn: Lee Keiser, President	P O Box 31224 Bethesda, MD 20824
Washington Metro Area Transit Authority Attn: Shyam Kannan, Managing Director Offc. of Planning	600 Fifth Street NW Washington, DC 20001
West Bethesda Park Homeowners Assn. c/o Jeffrey May, President	3 Springer Court Bethesda, MD 20817
Wilson Lane Safety Coalition c/o George Nolfi, Nolfi & Associates	5113 Strathmore Ave. Kensington, MD 20895
Woodhaven Citizens Association c/o Pam Blumenthal, Vice President	8301 Woodhaven Boulevard Bethesda, MD 20817

James Neill, Headmaster
Landon School
6101 Wilson Lane
Bethesda, MD 20817

Patrick O'Neil
Lerch, Early & Brewer, Chtd.
7600 Wisconsin Ave., Ste. 700
Bethesda, MD 20814

Bethesda-Chevy Chase CC
c/o Ginanne Italiano, Ex. Dir.
7910 Woodmont Ave., #1204
Bethesda, MD 20814

Bethesda Coalition
c/o Dennis Wood, President
4109 Woodbine Street
Chevy Chase, MD 20815

Bradley Blvd. Citizens Assn.
c/o Gail Bancroft, President
7010 Armat Drive
Bethesda, MD 20817

Bradmoor Neighborhood Assn.
c/o Laura Hayes-Heuer, Secretary
8615 Hartsdale Avenue
Bethesda, MD 20817

Burning Tree Civic Assn.
c/o George Springston, President
8436 Burning Tree Road
Bethesda, MD 20817

East County Citizens Adv Board
3300 Briggs Chaney Road
Silver Spring, MD 20904

Edgewood/Glenwood Citizens Assn.
c/o Jaime Zimmerman, Past-Pres.
8515 Hazelwood Drive
Bethesda, MD 20814

Edgewood/Glenwood Citizens Assn.
c/o Rich Derksen, President
8514 Hazelwood Drive
Bethesda, MD 20814

English Village Assn.
c/o Lynn Barclay, Contact
5719 Aberdeen Road
Bethesda, MD 20814

English Village Assn.
c/o Marcia Sullivan, President
5715 Wilson Lane
Bethesda, MD 20814

Greenwich Forest Citizens Assn.
c/o Christine Parker, Co-President
8020 Hampden Lane
Bethesda, MD 20814

Hillmead Citizens Assn.
c/o Tom Whiteman, President
8723 Ridge Road
Bethesda, MD 20817

Huntington Terrace Citizens Assn.
c/o Amy Royden-Bloom, Resident
5514 Southwick Street
Bethesda, MD 20817

Huntington Terrace Citizens Assn.
c/o Howard Sokolove, Resident
5600 Lincoln Street
Bethesda, MD 20817

Huntington Terrace Citizens Assn.
c/o Bob Deans, Resident
5607 Lincoln Street
Bethesda, MD 20817

Huntington Terrace Citizens Assn.
c/o Maggie Bree, Co-President
8808 Grant Street
Bethesda, MD 20817

Kenwood Park Citizens Assn.
c/o Krishna Collie, President
5816 Marbury Road
Bethesda, MD 20817

Montgomery Co Civic Federation
c/o Bailey Condrey, President
10205 Parkwood Drive
Kensington, MD 20895

Montgomery Co Renters Alliance
c/o Matthew Losak, Director
1001 Spring Street #316
Silver Spring, MD 20910

Montgomery Co Taxpayers League
c/o Joan Fidler, President
7400 Pyle Road
Bethesda, MD 20817

Montgomery Preservation, Inc.
c/o Judith Christensen, Director
6 Walker Avenue
Gaithersburg, MD 20877

Northern Montgomery Co Alliance
c/o Julius Cinque, Chair
22300 Slidell Road
Boyds, MD 20841

Paloma Court Homeowners
c/o David Gonzalles, President
7915 Springer Road
Bethesda, MD 20817

Sierra Club Montgomery Co Grp
Attn: Jennifer Rossmere, Treasurer
PO Box 4024
Rockville, MD 20849

South Bradley Hills Neighborhood
Attn: Lee Keiser, President
PO Box 31224
Bethesda, MD 20824

Washington Metro Area Trans Auth
Attn: S Kannan, Mgn Dir Offc Plan
600 Fifth Street, NW
Washington, DC 20001

West Bethesda Park HOA
c/o Jeffrey May, President
3 Springer Court
Bethesda, MD 20817

Wilson Lane Safety Coalition
c/o George Nolfi, Nolfi & Assoc.
5113 Strathmore Avenue
Kensington, MD 20895

Woodhaven Citizens Association
c/o Pam Blumenthal,Vice President
8301 Woodhaven Blvd.
Bethesda, MD 20817