

FINAL SCANNED: PLAN SCANNED: C10 PARK CODE: C10 Plotted By: Dave Norden, 4/25/2019 5:30 PM. G:\2012\1213508 - Black Hills SEED Classroom FP\01 Cadd\ba\1002_BHRP.dwg L002

MONTGOMERY PLANNING DEPARTMENT

THE MARYLAND-NATIONAL CAPITAL PARK AND PLANNING COMMISSION

APPROVED - 42019149E

Michael Sharp (michael.sharp@montgomeryplanning.org)

05/29/19

4 PLANNING APPROVAL

- PROPERTY OR PARCEL BOUNDARY
- LIMIT OF DISTURBANCE / TREE PROTECTION FENCING
- EXISTING MINOR TREE
- EXISTING SPECIMEN TREE (30" OR GREATER) & TREE NUMBER
- EXISTING SIGNIFICANT TREE (24" OR GREATER) & TREE NUMBER
- TREE TO BE REMOVED
- CRITICAL ROOT ZONE
- 100' STUDY AREA
- SOIL TYPE BOUNDARY
- TREE PROTECTION FENCE
- EXISTING CONTOUR, 1' INTERVAL
- EXISTING CONTOUR, 2' INTERVAL
- SOURCED FROM GIS DATA
- ROOT PRUNING
- SLOPES GREATER THAN 25%
- SLOPES BETWEEN 15 - 25% ON HIGHLY ERODIBLE SOILS
- EXISTING ASPHALT TO BE MILLED AND OVERLAID
- RESURFACED AND PAINTED ASPHALT
- PAVEMENT TO BE REMOVED IN CRZ
- SEE NOTES: 3/L003

5 LEGEND

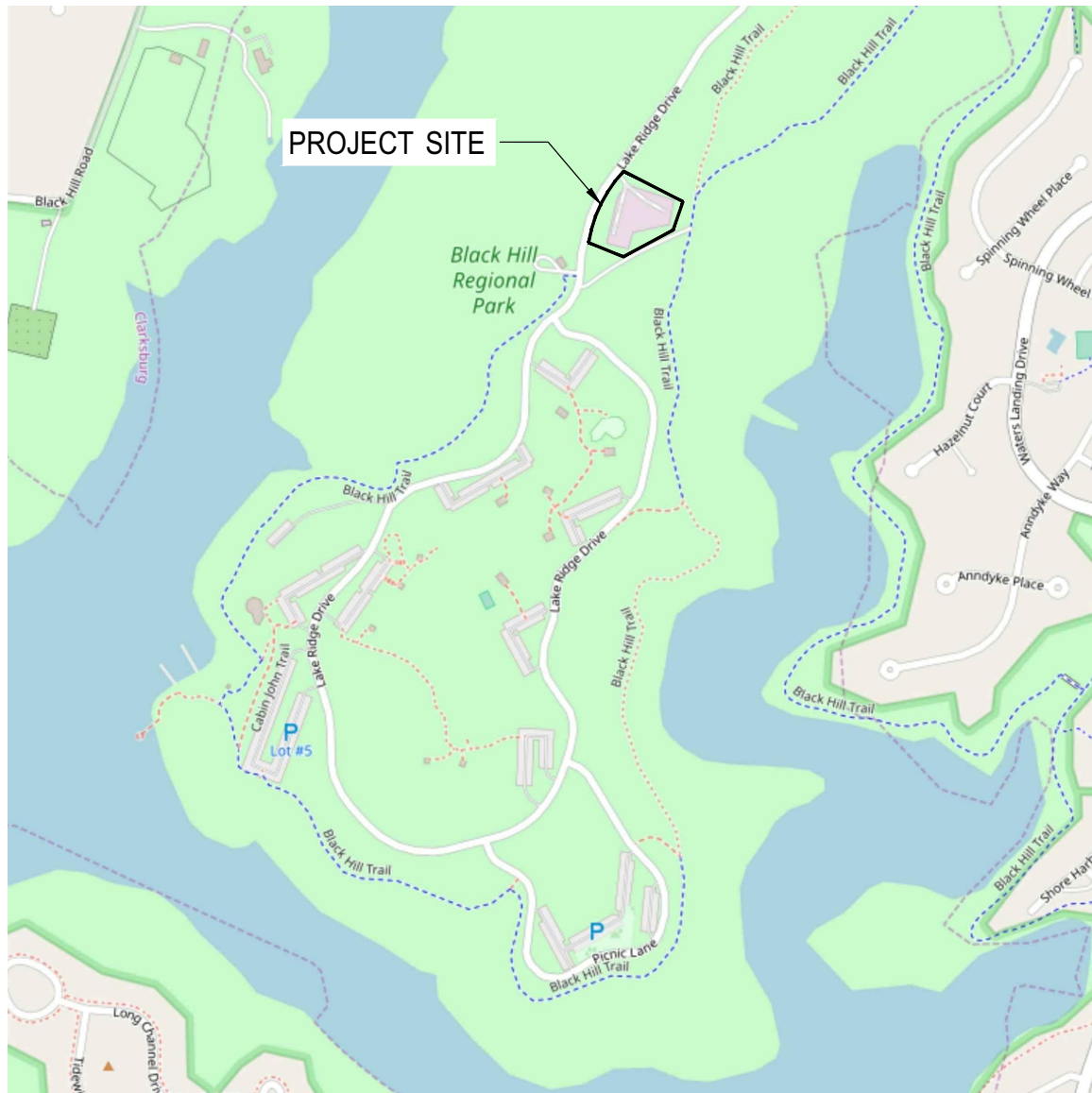
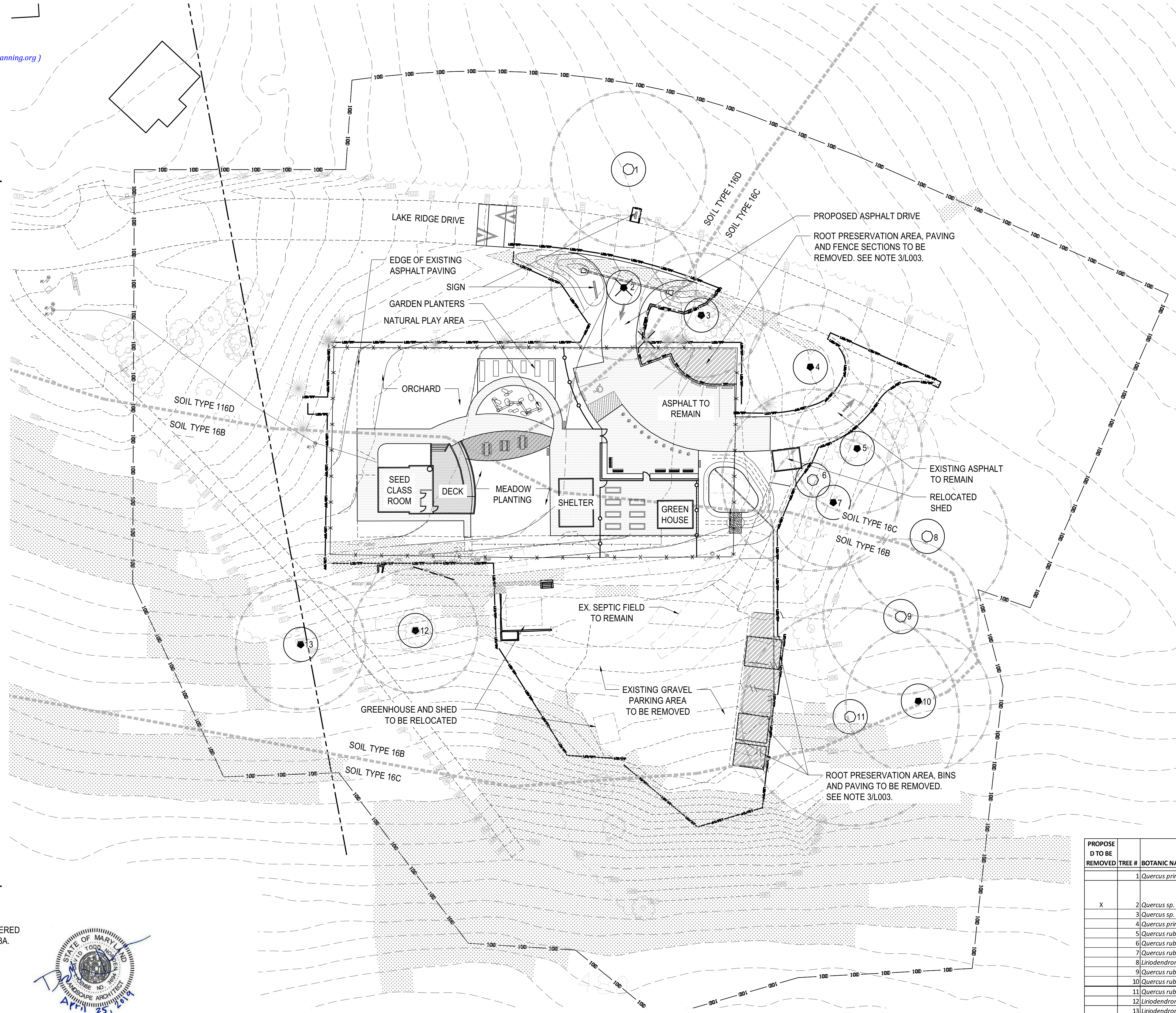
THIS PLAN WAS PREPARED BY DAVE NORDEN, MARYLAND REGISTERED LANDSCAPE ARCHITECT 3694 AND IS A CERTIFIED ARBORIST MA5513A.

ADDRESS: LSG LANDSCAPE ARCHITECTURE
1775 GREENSBORO STATION PL., STE. 110
TYSONS, VIRGINIA 22182
PHONE: 703-821-2045
EMAIL: DNORDEN@LSGINC.COM



6 QUALIFIED PROFESSIONAL CERTIFICATION

3 NATURAL RESOURCE INVENTORY PLAN
1" = 20' 0"



1

VICINITY MAP

SCALE: 1" = 2000'

PROPOSED TO BE REMOVED	TREE #	BOTANIC NAME	DBH	CONDITION	REMARKS
	1	Quercus prinus	30"	Good	
X	2	Quercus sp.	24"	Poor	Unbalanced canopy, large cavities at the base of the trunk. Determined by Andy Driscoll of Montgomery Parks
	3	Quercus sp.	24"	Good	
	4	Quercus prinus	24"	Good	
	5	Quercus rubra	25"	Good	
	6	Quercus rubra	35"	Good	
	7	Quercus rubra	25"	Good	
	8	Liriodendron tulipifera	31"	Good	
	9	Quercus rubra	30"	Good	
	10	Quercus rubra	28"	Good	
	11	Quercus rubra	42"	Good	
	12	Liriodendron tulipifera	24"	Good	
	13	Liriodendron tulipifera	25"	Good	

2 SIGNIFICANT/SPECIMEN TREE INVENTORY

LSG LANDSCAPE ARCHITECTURE

Designer's Name
DAVE NORDEN

Address
1775 GREENSBORO STATION PLACE, SUITE 110
TYSONS, VIRGINIA, 22102

Telephone Number 703-821-2045

DESIGN

Landscape Architect	Date	Checked By:
Architect	Date	Checked By:
Engineer	Date	Checked By:
Drawn by	Date	Checked By:

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

License No. _____

Expiration Date _____

The Maryland-National Capital Park and Planning Commission
Montgomery County Department of Parks
9500 Brunett Avenue
Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL

Project Manager	Date
Construction Manager	Date
Park Manager	Date

ISSUED FOR PROCUREMENT ON _____

REVISIONS

Rev. No.	Date	Description
1	03/27/19	Simplified NRI & FC Exemption
2	04/24/19	Revised Per Comments

BLACK HILL REGIONAL PARK SEED CLASSROOM FACILITY PLAN
Simplified NRI & FC Exemption

SCALE: AS SHOWN

PLAN NUMBER: 42019149E
TAX MAP: EU123
WSSC GRID: 228NW14

DWG. #
L002

SHT. # ____ OF ____

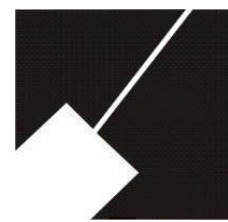
FINAL SCANNED:

PLAN SCANNED:

PARK CODE: C10

Plotted By: Dave Norden, 4/25/2019 5:27 PM, -----

G:\2012\12\30-08 - Black Hills SEED Classroom FPD\01 Cadd\eca\003_BMRP.dwg L003



MONTGOMERY PLANNING DEPARTMENT

THE MARYLAND NATIONAL CAPITAL PARK AND PLANNING COMMISSION

APPROVED - 42019149E

Michael Sharp (michael.sharp@montgomeryplanning.org)

05/29/19

Sequence of Events for Properties Required to Comply With Forest Conservation Plans, Exemptions From Submitting Forest Conservation Plans, and Tree Save Plans

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

- An on-site pre-construction meeting is required after the limits of disturbance have been staked and flagged and before any land disturbance.
 - The property owner must arrange for the meeting and following people should 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.
 - Typical tree protection devices include:
 - Chain link fence (four feet high)
 - Super silt fence with wire strung between the support poles (minimum 4 feet high) with high visibility flagging.
 - 14 gauge, 2 inch x 4 inch welded wire fencing supported by steel T-bar posts (minimum 4 feet high) with high visibility flagging.
 - Typical stress reduction measures may include, but are not limited to:
 - Root pruning with a root cutter or vibratory plow designed for that purpose. Trenchers are not allowed, unless approved by the Forest Conservation Inspector
 - Crown Reduction or pruning
 - Watering
 - Fertilizing
 - Vertical mulching
 - 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.
- 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.
 - 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.
 - 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:
 - Parking or driving of equipment, machinery or vehicles of any type.
 - Storage of any construction materials, equipment, stockpiling, fill, debris, etc.
 - Dumping of any chemicals (i.e., paint thinner), mortar or concrete remainder, trash, garbage, or debris of any kind.
 - Felling of trees into a protected area.
 - Trenching or grading for utilities, irrigation, drainage, etc.
 - 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

- 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.
- 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

- 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:
 - Removal, and possible replacement, of dead, dying, or hazardous trees
 - Pruning of dead or declining limbs
 - Soil aeration
 - Fertilization
 - Watering
 - Wound repair
 - Clean up of retention areas, including trash removal
- 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.
- 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.

- FOR PAVEMENT REMOVAL NEAR TREES 3 & 11:
 - AFTER PROTECTION FENCE INSTALLATION, PROCEED WITH DEMOLITION OF THE ASPHALT BY STARTING AT THE POINT INSIDE TREE PRESERVATION FENCING THAT IS FARTHEST FROM THE ENTRANCE. WORK INCREMENTALLY BACKWARDS. KEEP ALL EQUIPMENT ONLY ON THE ASPHALT THAT HAS NOT YET BEEN REMOVED. REMOVE ASPHALT AND STONE BASE COURSE ONLY, WHERE INDICATED ON PLAN. TO PROTECT TREE ROOTS, DO NOT DISTURB SUBGRADE. THE USE OF LARGE MOTORIZED EQUIPMENT IN THIS AREA IS PROHIBITED.
 - AFTER PORTION OF ASPHALT DRIVE HAS BEEN REMOVED FROM THE SITE, INSTALL 6-INCHES OF TOPSOIL AND 3" OF WOOD CHIPS. FOLLOWING ASPHALT REMOVAL, THE ROUTE IS CLOSED AND SHALL NOT BE USED AS A CONSTRUCTION ACCESS ROUTE.

NOTES

RESOURCE DATA TABLE	
Resources Within Tract	ACRES
Acres of Forest	0
Acres of Wetlands	0
Acres of Forest in Wetlands	0
Acres of Floodplain	0
Acres of Forest in Floodplain	0
Acres of Stream Buffers	0
Acres of Forest in Stream Buffers	0

RESOURCE DATA TABLE

LSG DETERMINED NO FOREST STAND EXISTS WITHIN THE LIMIT OF DISTURBED AREA BASED ON SITE OBSERVATIONS PERFORMED MARCH, 2019.

FOREST STAND TABLE



March 1, 2019

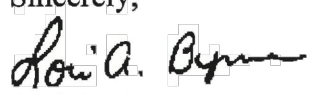
Mr. Dave Norden
LSG Landscape Architecture
1775 Greensboro Station Place
Suite 110
Tysons, VA 22102

RE: Environmental Review for Site Upgrades, Black Hill Regional Park SEED Classroom Facility Plan, Boyds, Montgomery County, Maryland.

Dear Mr. Norden:

The Wildlife and Heritage Service has determined that there are no official State or Federal records for listed plant or animal species within the delineated area shown on the map provided. As a result, we have no specific concerns regarding potential impacts or recommendations for protection measures at this time. Please let us know however if the limits of proposed disturbance or overall site boundaries change and we will provide you with an updated evaluation.

Thank you for allowing us the opportunity to review this project. If you should have any further questions regarding this information, please contact me at (410) 260-8573.

Sincerely,

Lori A. Byrne,
Environmental Review Coordinator
Wildlife and Heritage Service
MD Dept. of Natural Resources

ER# 2019.0279.mo

Tawes State Office Building – 580 Taylor Avenue – Annapolis, Maryland 21401
410-260-8DNR or toll free in Maryland 877-620-8DNR – dnr.maryland.gov – TTY Users Call via the Maryland Relay

DNR RESPONSE LETTER

THIS PLAN WAS PREPARED BY DAVE NORDEN, MARYLAND REGISTERED LANDSCAPE ARCHITECT 3694 AND IS A CERTIFIED ARBORIST MA5513A.

ADDRESS: LSG LANDSCAPE ARCHITECTURE
1775 GREENSBORO STATION PL., STE. 110
TYSONS, VIRGINIA 22182
PHONE: 703-821-2045
EMAIL: DNORDEN@LSGINC.COM



QUALIFIED PROFESSIONAL CERTIFICATION

APPLICANT INFORMATION
The Maryland National Capital Park and Planning Comission, M-NCPPC

PROPERTY INFORMATION
Forest Conservation Exemption Requested: 22A-5(t)
Tax Identification Number: 00024893
Owner: M-NCPPC
Address: 20930 Lake Ridge Drive, Boyds, MD 20841
Total Tract Size: 83,973 Sq. Ft./1.93 Acres
Tax Map: EU123
Zoning: RE-2
WSSC Grid: 228NW14

SITE DESCRIPTION
20930 Lake Ridge Drive is located centrally within Black Hills Regional Park at the intersection of Lake Ridge Drive and the Black Hill Hiker-Biker Trail. The site was previously purposed as a storage yard for the park land which has since been relocated. Currently on site there is a large fenced in asphalt lot with existing portable shed and storage structures which were recently removed, a gravel drive and parking area, storage bins, a green house and an septic field.

Located South-West of the site adjacent to the Chadwick House is a Black Hills Gold Mine and Bomb Shelter site which is classified as a Park Owned Historic Site. The trees on site range in age, size and type. A site investigation determined by the NRI/FSO determined that the site does not contain forest stands within the limit of work, however it is surrounded by forest stands on all sides outside of the facility plan study area. The most dense cluster of vegetation on site is located along the east edge of the asphalt yard and ranges from 5' to 10' in width.

WATERSHED
The site lies within the Little Seneca Creek Watershed which is use III-P as defined by the County Forest Conservation Law in the Guidelines for the Environmental Management of Development in Montgomery County (January, 2000).

STREAMS
No streams were observed draining the project tract. Source of Floodplain Data is the Federal Emergency Mangement Agency (FEMA) Flood Insurance Rate Map 24031C0160D.

SPECIAL PROTECTION AND PRIMARY MANAGEMENT AREAS
The project site is not located within a Special Protection Area of the Patuxent River Primary Management Area. Refer to Guidelines for the Environmental Management of Development in Montgomery County (January, 2000) for more information.

FLOODPLAINS
According to the FEMA Flood Insurance Rate Map 24031C0160D the project site is in Zone X which has a .2% annual chance of flood hazard. According to MCAtlas.org the project site is not within a 100 year floodplain boundary.

WETLANDS
No wetlands were observed on site. The National Wetlands Inventory (NWI) Map for Montgomery County, Maryland (USFWS, 1981-2002) identifies no waterway and no wetlands within the study area.

RARE, THREATENED OR ENDANGERED SPECIES
Rare, threatened, or endangered species were not observed in the study area. We requested determination from DNR Wildlife and Heritage Service that there are no recorded RTE species on site, refer to the attached letter on sheet L003.

HISTORIC SITES
The facility plan study area is not identified on the Locational Atlas and Index of Historic Sites. Adjacent to the study area but not within the 100' offset is the Black Hills Gold Mine and Bomb Shelter, which is classified as an Archeology Site and a Park Owned Historic Site according to MCAtlas.org.

TREES
No National, State or County Champion Trees or trees within 75% of the current State Champion where located on site.

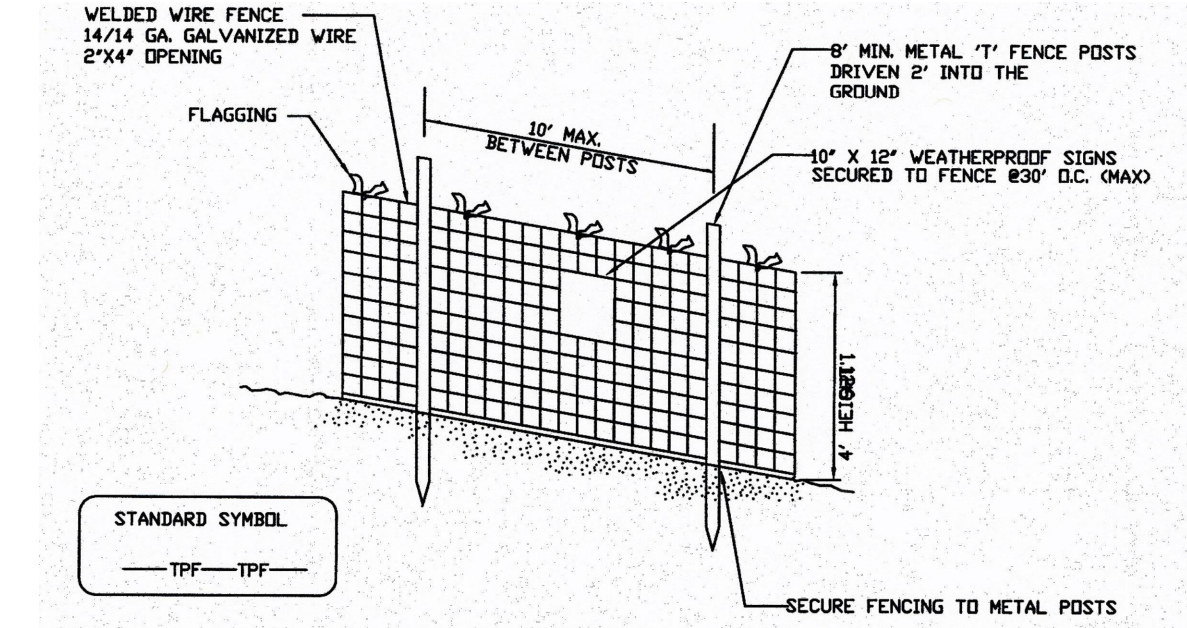
FIELD WORK
Individual trees listed in the Variance Tree Schedule were measured with a diameter tape to the nearest tenth-inch at 4.5 feet above ground (DBH), except for multiple stem trees that split below 4.5 feet above ground, which were measured at the narrowest point between the split and the ground in accordance with American Forests Tree Measuring Guidelines. Site observations were conducted within the study area on March 13, 2019 by Colter B of Montgomery Parks. Trees and other features on private property are inaccessible and were estimated visually from the subject property.

PLAN NOTES

SOIL CHARACTERISTICS AND LIMITATIONS					
MAP SYMBOL	MAP UNIT NAME	PRIME OR UNIQUE FARMLAND	HYDRIC STATUS	HIGHLY ERODIBLE	RESTRICTIONS AND LIMITATIONS
16B	Brinklow-Blocktown channery silt loams, 3 - 8 percent slopes	YES, Farmland of statewide importance	NO	NO	Somewhat ltd. due to depth of bedrock
16C	Brinklow-Blocktown channery silt loams, 8 - 15 percent slopes	YES, Farmland of statewide importance	NO	NO	Somewhat ltd. due to slope and depth of bedrock
116D	Blocktown channery silt loam, 15 - 25 percent slopes	NO	NO	MODERATELY	Somewhat ltd. due to slope and rock outcrops

SOILS TABLE

PLANNING APPROVAL

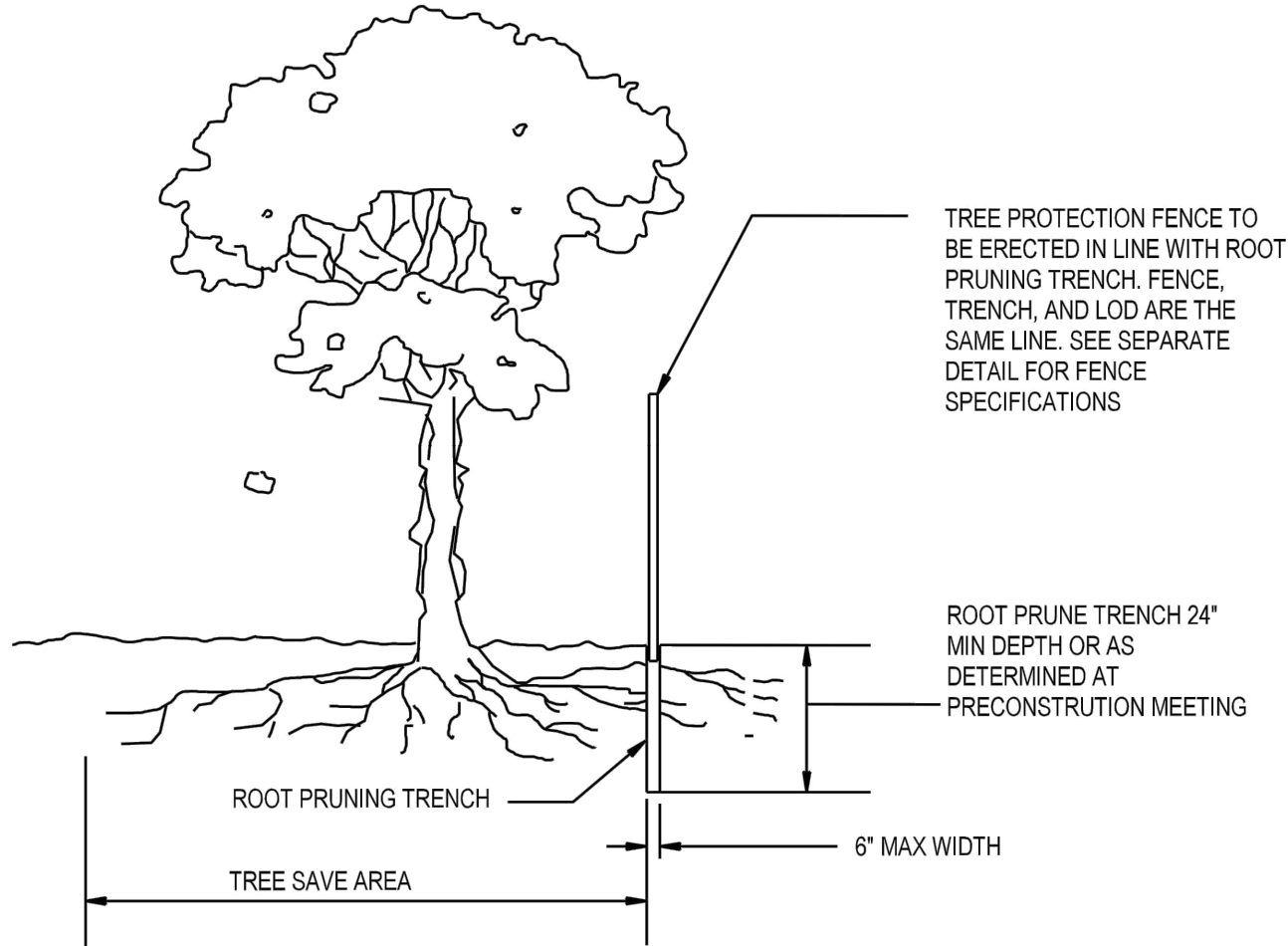


NOTES

- Practice may be combined with sediment control fencing.
- Location and limits of fencing should be coordinated in field with arborist.
- Boundaries of protection area should be staked prior to installing protective device.
- Root damage should be avoided.
- Protection signage is required.
- Fencing shall be maintained throughout construction.

TREE PROTECTION FENCE

NTS



NOTES:

- RETENTION AREAS WILL BE SET AS PART OF THE REVIEW PROCESS AND PRECONSTRUCTION MEETING.
- BOUNDARIES OF RETENTION AREAS MUST BE STAKED AT THE PRECONSTRUCTION MEETING AND FLAGGED PRIOR TO TRENCHING.
- EXACT LOCATION OF TRENCH SHALL BE DETERMINED IN THE FIELD IN COORDINATION WITH THE FOREST CONSERVATION (FC) INPECTOR.
- TRENCH SHOULD BE IMMEDIATELY BACKFILLED WITH EXCAVATED SOIL OR OTHER ORGANIC SOIL AS SPECIFIED PER PLAN OR BY THE FC INSPECTOR.
- ROOTS SHALL BE CLEANLY CUT USING VIBRATORY KNIFE OR OTHER ACCEPTABLE EQUIPMENT.
- ALL PRUNING MUST BE EXECUTED WITH LOD SHOWN ON PLANS OR AS AUTHORIZED IN WRITING BY THE FC INSPECTOR.

ROOT PRUNING

NTS

FCP SEQUENCE OF EVENTS

LSG LANDSCAPE ARCHITECTURE

Designer's Name
DAVE NORDEN

Address
1775 GREENSBORO STATION PLACE, SUITE 110

City/State/Zip
TYSONS, VIRGINIA, 22102

Telephone Number
703-821-2045

DESIGN

Landscape Architect	Date	Checked By:
Architect	Date	Checked By:
Engineer	Date	Checked By:
Drawn by	Date	Checked By:

Professional Certification. I hereby certify that these documents were prepared or approved by me, and that I am a duly licensed professional engineer under the laws of the State of Maryland.

License No. _____

Expiration Date _____



The Maryland-National Capital Park and Planning Commission

Montgomery County Department of Parks
9500 Brunett Avenue
Silver Spring, Maryland 20901
(301) 495-2535

REVIEW AND APPROVAL

Project Manager	Date
Construction Manager	Date
Park Manager	Date

ISSUED FOR PROCUREMENT ON _____

REVIEWS

Rev. No.	Date	Description
1	03/27/19	Simplified NRI & FC Exemption
2	04/24/19	Revised Per Comments

BLACK HILL REGIONAL PARK SEED CLASSROOM FACILITY PLAN
Simplified NRI & FC Exemption

PLAN NUMBER: 42019149E
TAX MAP: EU123
WSSC GRID: 228NW14

SCALE: AS SHOWN

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