The Maryland National Capital Park and Planning Commission

BLACK HILL REGIONAL PARK SEED CLASSROOM
FACILITY PLAN

20941 LAKE RIDGE DRIVE, BOYDS, MD 20841

INDEX OF DRAWINGS

Sheet #   Description
L001      COVER SHEET
C-1       COMBINED SWM CONCEPT/SITE DEVELOPMENT SWM PLAN
C-2       COMBINED SWM CONCEPT/SITE DEVELOPMENT SWM PLAN
L002      SIMPLIFIED NR/FC EXEMPTION
L003      SIMPLIFIED NR/FC EXEMPTION
L101      REFERENCE PLAN
L301      CONSTRUCTION DETAILS
L302      CONSTRUCTION DETAILS
L401      PLANTING PLAN
L411      PLANTING DETAILS

L001

Scale: As Shown

NOT FOR CONSTRUCTION
LSG LANDSCAPE ARCHITECTURE
1775 GREENSBORO STATION PL, SUITE 110
TYSONS, VIRGINIA 22182
703-821-2045
DNORDEN@LSGINC.COM
LSC LANDSCAPE ARCHITECTURE
8800 Westlake Drive, Suite 450
Vienna, Virginia 22182
703-578-9803

PLANNING APPROVAL

1. FOR PAVEMENT REMOVAL, NEAR TREES 3 & 4:
   1.1. ROOT PROTECTION INSTALLATION. PROCEED WITH DEMOLITION OF THE ASPHALT BY STARTING AT THE POINT INSIDE TREE PRESERVATION FENCING THAT IS NEWLY INSTALLED. WORK MUNICIPALLY SIMILARLY, KEEP ALL EQUIPMENT CLEAR OF THE ASPHALT THAT HAS NOT YET BEEN REMOVED. REMOVE ASPHALT AND STORE BASE COURSE ONLY, ENSURING THAT ALL MATERIALS ARE STORED CLEAR OF SUBURGE. THE USE OF LARGE MOTORIZED EQUIPMENT IN THIS AREA IS PROHIBITED.
   1.2. AFTER PORTION OF ASPHALT DRIVE HAS BEEN REMOVED FROM THE SITE, EXISTING 9-METERS OF TOPSOIL AND 3" OF WOOD CHIPS (CALLOLOGY ASPHALT REMOVAL, THE ROUTE IS CLOSED AND SHALL NOT BE USED AS A CONSTRUCTION ACCESS ROUTE.

NOTES

1. RETENTION AREAS WILL BE SET AS PART OF THE REVIEW PROCESS AND PRECONSTRUCTION MITIGATION.
2. BOUNDARIES OF RETENTION AREAS MUST BE SET AT THE PRECONSTRUCTION MITIGATION AND REMOVED PRIOR TO COMMENCEMENT.
3. EXACT LOCATION OF TREES SHALL BE DETERMINED IN THE FIELD IN COORDINATION WITH THE FOREST CONSERVATION PERMIT.
4. TREES SHOULD BE IMMEDIATELY REPLANTED WITH EXTERNAL SOIL OR OTHER ORGANIC SOIL AS SPECIFIED PER PLAN OF THE PC ARCHITECT.
5. ROOFS SHALL BE CLOSED TO PUBLIC VIEW OR OTHER ACCEPTABLE EQUIPMENT.
6. ALL PRUNING MUST BE EXECUTED WITH LED SHOWN ON PLANS OR AS AUTHORIZED IN WRITING BY THE PC ARCHITECT.

ROOT PRUNING

1. PIPELINE CONNECTORS shall be installed and closed-off by the time of asphalt removal.
2. Topsoil and the vertical fill behind the fence line to be 2' (600 mm) high with 12" (300 mm) radius.
3. Typical trees within a 5' (1,524 mm) radius of the place where the fence line is to be installed remain outside the fence line.
4. Typical trees within a 5' (1,524 mm) radius of the place where the fence line is to be installed remain outside the fence line.
5. Topsoil and the vertical fill behind the fence line to be 2' (600 mm) high with 12" (300 mm) radius.
6. Planting of typical trees within 5' (1,524 mm) radius of the place where the fence line is to be installed may be undertaken, unless approved by the Forest Conservation Plan.
7. Removal of a species for which certification is not available may be undertaken, unless approved by the Forest Conservation Plan.
8. Removal of a species for which certification is not available may be undertaken, unless approved by the Forest Conservation Plan.

RESOURCE DATA TABLE

<table>
<thead>
<tr>
<th>RESOURCE DATA TABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSTALL 6-INCHES OF TOPSOIL AND 3&quot; OF WOOD CHIPS. FOLLOWING PROHIBITED.</td>
</tr>
<tr>
<td>THE ASPHALT BY STARTING AT THE POINT INSIDE TREE PRESERVATION FENCING THAT IS NEWLY INSTALLED. WORK MUNICIPALLY SIMILARLY, KEEP ALL EQUIPMENT CLEAR OF THE ASPHALT THAT HAS NOT YET BEEN REMOVED. REMOVE ASPHALT AND STORE BASE COURSE ONLY, ENSURING THAT ALL MATERIALS ARE STORED CLEAR OF SUBURGE. THE USE OF LARGE MOTORIZED EQUIPMENT IN THIS AREA IS PROHIBITED.</td>
</tr>
</tbody>
</table>

FOREST STAND TABLE

<table>
<thead>
<tr>
<th>FOREST STAND TABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>The site within the Little Seneca Creek Watershed which is use (IHP) as defined by the County Forest Conservation Law in the Establishment for the Environmental Management of Development in Montgomery County (January 2006).</td>
</tr>
<tr>
<td>STREAMS</td>
</tr>
<tr>
<td>No streams were observed during the project field. Source of Floodplain Data is the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) for the Municipality of Montgomery County (2006).</td>
</tr>
<tr>
<td>SPECIAL PROTECTION AND PRIMARY MANAGEMENT AREAS</td>
</tr>
<tr>
<td>The project is located within a Special Protection Area of the Pocomoke River Primary Management Area. Refer to Guidelines for the Environmental Management of Development in Montgomery County (January 2006) for more information.</td>
</tr>
<tr>
<td>HISTORIC SITES</td>
</tr>
<tr>
<td>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 project site, located in the Chesapeake and Ohio Canal National Historical Park (NHP) and the Anacostia Heritage Service that there are no recorded RTE species on site, refer to the attached letter on sheet 116D.</td>
</tr>
<tr>
<td>RARE, THREATENED OR ENDANGERED SPECIES</td>
</tr>
<tr>
<td>No wetlands were observed on site. The National Wetlands Inventory (WFI) map for Montgomery County, Maryland (USFWS, 1988-2002) identifies no waterway and no wetlands within the study area. 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 tallest point between the split and the ground in accordance with the Department of Forestry Tree Measurement Guidelines. Site observations were conducted within the study area on March 13, 2019 by Clinton H. Montgomery, Jr. Trees and other features of private property, are inaccessible and were estimated visually from the subject property.</td>
</tr>
</tbody>
</table>

SOILS TABLE

<table>
<thead>
<tr>
<th>SOILS TABLE</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Maryland Natural Capital Park and Planning Commission, Maryland Heritage Inventory (MHI), 250 East Redwood Street, Annapolis, Maryland 21401. 1-800-252-1609.</td>
</tr>
</tbody>
</table>
1. ASPHALT PAVEMENT COATING
   - Notes:
     1. Colored acrylic resin precoated tyvek coating
     2. With or without stamped pattern / simulated paving joints

2. POTENTIAL PAVEMENT ART
   - Notes:
     1. Artist inspired
     2. Painted on asphalt paving

3. NOT IN USE
   - Notes:
     4. Chain link fence
     - Notes:
       1. Vinyl coated chain link
       2. 8’ height
       3. Gate leaf widths: 4’

4. CHAIN LINK FENCE
   - Notes:
     1. Wreath coated chain link
     2. 8’ height
     3. Gate leaf widths: 4’

5. MEADOW PLANTING
   - Notes:
     1. Stormwater management feature
     2. Opportunity for interpretive signage

6. ENTRY SIGNAGE
   - Notes:
     1. Seed classroom sign panel with logo
     2. Cast in place concrete base
     3. Background matches wood screen fence

7. NATURAL LANDSCAPE ELEMENTS
   - Notes:
     1. Repurposed wood logs and fieldstone boulders

8. MEADOW PLANTING
   - Notes:
     1. Inside fenced area: plugs
     2. Outside fenced area: seeded
     3. Showy wildflower / grass species

9. MICRO BIORETENTION BASIN
   - Notes:
     1. Stormwater management feature
     2. Opportunity for interpretive signage

10. ORCHARD TYPE TREES
    - Notes:
      1. Fruiting trees
      2. Such as apple, paw paw, and pear
### Tree Planting

<table>
<thead>
<tr>
<th>Key</th>
<th>QTY</th>
<th>Botanical Name</th>
<th>Common Name</th>
<th>Size</th>
<th>Type</th>
<th>Spacing</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>35</td>
<td>Mix of Native Species Types</td>
<td>Mix of Native Species Types</td>
<td>2 - 3&quot;</td>
<td>Cont</td>
<td>20 trees per acre</td>
<td>Reforested Area - Possible Species Options</td>
</tr>
</tbody>
</table>

### Shrub Planting

<table>
<thead>
<tr>
<th>Key</th>
<th>QTY</th>
<th>Botanical Name</th>
<th>Common Name</th>
<th>Size</th>
<th>Type</th>
<th>Spacing</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>19</td>
<td>Mix of Native Species Types</td>
<td>Mix of Native Species Types</td>
<td>3&quot;</td>
<td>Cal. B&amp;B as shown</td>
<td>Fruit Type Ornamental Trees - Possible Species Options</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>6</td>
<td>Mix of Native Species Types</td>
<td>Mix of Native Species Types</td>
<td>3&quot;</td>
<td>Cal. B&amp;B as shown</td>
<td>Flowering Type Ornamental Trees - Possible Species Options</td>
<td></td>
</tr>
</tbody>
</table>

### Shrub Species

- **Ilex Glabra (Inkberry)**: 18" HT. MIN. CONT. AS SHOWN
- **Cornus Sericea 'Cardinal' (Red Twig Dogwood)**: 24" HT. MIN. CONT. AS SHOWN
- **Viburnum Virginia (Virginia Sweetspire)**: 18" HT. MIN. CONT. AS SHOWN

### Turfgrass Mixes

- **MIX A**: ERNMX-153 Showy Northeast Native Wildflower and Grass Mix - Seed -
  - Broadcast Seed at 10 lbs per acre
- **MIX B**: ERNMX-127 Retention Basin Wildlife Mix - Seed -
  - Drill Seed at 5 lbs per acre
- **MIX C**: ERNMX-173 Eastern Native Habitat & Crep Mix - Seed -
  - Tall Fescue Blend - Seed -
  - Drill Seed at 10 lbs per acre

---

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

** The Maryland-National Capital Park and Planning Commission **

---

** LSG Landscape Architecture **

---

** Drawing Information **

- **Scale**: AS SHOWN
- **Plan Number**: 42019149E
- **Tax Map**: EU123
- **WSSC Grid**: 228NW14
- **Location**: Black Hill Regional Park Classroom Facility Plan

---

** Professional Certification **

- **Designer's Name**:
- **Address**:
- **City/State/Zip**:
- **Telephone Number**:

---

** Designer's Certification **

- **License No.**:______________________
- **Expiration Date**:______________________

---

** Revised for Procurement on _______________ **

** Review and Approval **

- **Project Manager Date**:
- **Construction Manager Date**:
- **Park Manager Date**:

---

** Drawn by Date**:
- **Checked By**:

---

** Revision History **

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