

# APPENDICES

**Appendix A**  
**Representative Photographs of the Proposed**  
**Project Site**



**Photograph 1. View of posted sign at site along Old Grove Road, notifying community of proposed action.**



**Photograph 2. Typical re-growth of trees and shrubs on the site.**



**Photograph 3. Mature trees, such as the tree indicated above, will be avoided when possible during grading and construction.**



**Photograph 4. View of Old Grove Road at entrance, looking northeast.**



**Photograph 5. Entrance to the site, looking west-northwest.**



**Photograph 6. View of adjacent property across Old Grove Road, looking northeast.**



**Photograph 7. Stormwater swale (dry) on the property catches stormwater from Old Grove Road, looking southwest.**



**Photograph 8. View of stormwater swale draining Old Grove Road, looking north east from property. The site will be graded to the elevation of the roadway, and the SGFD intends to capture the stormwater and retain it for use in washing equipment and departmental vehicles.**

**Appendix B**  
**Soil Map and Map Unit Description**



**Soil Type Key**

- CeB Cecil sandy loam, 2 to 6 percent slopes
- CeC Cecil sandy loam, 6 to 10 percent slopes
- CIC2 Cecil clay loam, 6 to 10 percent slopes
- HeB Hiawassee sandy loam, 2 to 6 percent slopes
- HIB2 Hiawassee clay loam, 2 to 6 percent slopes, eroded
- PdD2 Pacolet clay loam, 10 to 15 percent slopes, eroded

Note: Refer to Appendix B for soil map unit descriptions.

**Legend**

-  Proposed Station 7
-  Soil Types
-  Road

**Sources**

Ortho Imagery: 2009 National Ag. Imagery Program, USDA  
 Geospatial Data Gateway  
 Soil Types: USDA NRCS Soil Mart  
 Roads: South Carolina GIS

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 Project Manager: Stu Ryman  
 Client: South Greenville Fire District  
 Date: 04/22/2010

Scale



0 50 100 200  
Feet

**SOIL MAP**

PROPOSED STATION 7  
 SOUTH GREENVILLE FIRE DISTRICT  
 GREENVILLE COUNTY, SOUTH CAROLINA

P:\South Greenville Fire & Rescue\Figures\GIS\Appendix B - Soil Map

FIGURE

**B-1**

## Greenville County, South Carolina

### CeB—Cecil sandy loam, 2 to 6 percent slopes

#### Map Unit Setting

*Elevation:* 590 to 1,510 feet  
*Mean annual precipitation:* 43 to 73 inches  
*Mean annual air temperature:* 49 to 71 degrees F  
*Frost-free period:* 185 to 241 days

#### Map Unit Composition

*Cecil and similar soils:* 100 percent

#### Description of Cecil

##### Setting

*Landform:* Hillslopes  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Parent material:* Clayey residuum weathered from granite and gneiss

##### Properties and qualities

*Slope:* 2 to 6 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water*  
*(Ksat):* Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water capacity:* Moderate (about 8.1 inches)

##### Interpretive groups

*Land capability (nonirrigated):* 2e

##### Typical profile

*0 to 6 inches:* Sandy loam  
*6 to 9 inches:* Clay  
*9 to 47 inches:* Sandy clay loam  
*47 to 70 inches:* Sandy loam

## Data Source Information

Soil Survey Area: Greenville County, South Carolina  
Survey Area Data: Version 7, Jan 8, 2009

## Greenville County, South Carolina

### CeB—Cecil sandy loam, 2 to 6 percent slopes

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*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water*  
*(Ksat):* Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water capacity:* Moderate (about 8.1 inches)

##### Interpretive groups

*Land capability (nonirrigated):* 2e

##### Typical profile

*0 to 6 inches:* Sandy loam  
*6 to 9 inches:* Clay  
*9 to 47 inches:* Sandy clay loam  
*47 to 70 inches:* Sandy loam

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#### Map Unit Composition

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#### Description of Cecil

##### Setting

*Landform:* Hillslopes  
*Landform position (two-dimensional):* Summit  
*Landform position (three-dimensional):* Interfluve  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Parent material:* Clayey residuum weathered from granite and gneiss

##### Properties and qualities

*Slope:* 2 to 6 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water capacity:* Moderate (about 8.1 inches)

##### Interpretive groups

*Land capability (nonirrigated):* 2e

##### Typical profile

*0 to 6 inches:* Sandy loam  
*6 to 9 inches:* Clay  
*9 to 47 inches:* Sandy clay loam  
*47 to 70 inches:* Sandy loam

## Data Source Information

Soil Survey Area: Greenville County, South Carolina  
Survey Area Data: Version 7, Jan 8, 2009

## Greenville County, South Carolina

### CeC—Cecil sandy loam, 6 to 10 percent slopes

#### Map Unit Setting

*Elevation:* 590 to 1,510 feet  
*Mean annual precipitation:* 43 to 73 inches  
*Mean annual air temperature:* 49 to 71 degrees F  
*Frost-free period:* 185 to 241 days

#### Map Unit Composition

*Cecil and similar soils:* 100 percent

#### Description of Cecil

##### Setting

*Landform:* Hillslopes  
*Landform position (two-dimensional):* Shoulder  
*Landform position (three-dimensional):* Nose slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Parent material:* Clayey residuum weathered from granite and gneiss

##### Properties and qualities

*Slope:* 6 to 10 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water*  
*(Ksat):* Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water capacity:* Moderate (about 8.1 inches)

##### Interpretive groups

*Land capability (nonirrigated):* 3e

##### Typical profile

*0 to 6 inches:* Sandy loam  
*6 to 9 inches:* Clay  
*9 to 47 inches:* Sandy clay loam  
*47 to 70 inches:* Sandy loam

## Data Source Information

Soil Survey Area: Greenville County, South Carolina  
Survey Area Data: Version 7, Jan 8, 2009

## Greenville County, South Carolina

### CIC2—Cecil clay loam, 6 to 10 percent slopes, eroded

#### Map Unit Setting

*Elevation:* 590 to 1,510 feet  
*Mean annual precipitation:* 43 to 73 inches  
*Mean annual air temperature:* 49 to 71 degrees F  
*Frost-free period:* 185 to 241 days

#### Map Unit Composition

*Cecil and similar soils:* 100 percent

#### Description of Cecil

##### Setting

*Landform:* Hillslopes  
*Landform position (two-dimensional):* Shoulder  
*Landform position (three-dimensional):* Nose slope  
*Down-slope shape:* Convex  
*Across-slope shape:* Convex  
*Parent material:* Clayey residuum weathered from granite and gneiss

##### Properties and qualities

*Slope:* 6 to 10 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water capacity:* Moderate (about 8.2 inches)

##### Interpretive groups

*Land capability (nonirrigated):* 4e

##### Typical profile

*0 to 6 inches:* Clay loam  
*6 to 9 inches:* Clay  
*9 to 47 inches:* Sandy clay loam  
*47 to 70 inches:* Sandy loam

## Data Source Information

Soil Survey Area: Greenville County, South Carolina  
Survey Area Data: Version 7, Jan 8, 2009

## Greenville County, South Carolina

### HeB—Hiwassee sandy loam, 2 to 6 percent slopes

#### Map Unit Setting

*Elevation:* 590 to 1,510 feet

*Mean annual precipitation:* 43 to 73 inches

*Mean annual air temperature:* 49 to 71 degrees F

*Frost-free period:* 185 to 241 days

#### Map Unit Composition

*Hiwassee and similar soils:* 100 percent

#### Description of Hiwassee

##### Setting

*Landform:* Stream terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Clayey ancient alluvium

##### Properties and qualities

*Slope:* 2 to 6 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Capacity of the most limiting layer to transmit water*

*(Ksat):* Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water capacity:* Moderate (about 8.2 inches)

##### Interpretive groups

*Land capability (nonirrigated):* 2e

##### Typical profile

*0 to 7 inches:* Sandy loam

*7 to 62 inches:* Clay

*62 to 82 inches:* Sandy clay loam

## Data Source Information

Soil Survey Area: Greenville County, South Carolina

Survey Area Data: Version 7, Jan 8, 2009

## Greenville County, South Carolina

### HIB2—Hiwassee clay loam, 2 to 6 percent slopes, eroded

#### Map Unit Setting

*Elevation:* 590 to 1,510 feet

*Mean annual precipitation:* 43 to 73 inches

*Mean annual air temperature:* 49 to 71 degrees F

*Frost-free period:* 185 to 241 days

#### Map Unit Composition

*Hiwassee and similar soils:* 100 percent

#### Description of Hiwassee

##### Setting

*Landform:* Stream terraces

*Landform position (three-dimensional):* Tread

*Down-slope shape:* Convex

*Across-slope shape:* Convex

*Parent material:* Clayey ancient alluvium

##### Properties and qualities

*Slope:* 2 to 6 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Capacity of the most limiting layer to transmit water*

*(Ksat):* Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Available water capacity:* Moderate (about 8.2 inches)

##### Interpretive groups

*Land capability (nonirrigated):* 3e

##### Typical profile

*0 to 7 inches:* Clay loam

*7 to 62 inches:* Clay

*62 to 82 inches:* Sandy clay loam

## Data Source Information

Soil Survey Area: Greenville County, South Carolina

Survey Area Data: Version 7, Jan 8, 2009

## Greenville County, South Carolina

### PdD2—Pacolet clay loam, 10 to 15 percent slopes, eroded

#### Map Unit Setting

*Elevation:* 590 to 1,510 feet  
*Mean annual precipitation:* 43 to 73 inches  
*Mean annual air temperature:* 49 to 71 degrees F  
*Frost-free period:* 185 to 241 days

#### Map Unit Composition

*Pacolet and similar soils:* 100 percent

#### Description of Pacolet

##### Setting

*Landform:* Hillslopes  
*Landform position (two-dimensional):* Backslope  
*Landform position (three-dimensional):* Side slope  
*Down-slope shape:* Linear  
*Across-slope shape:* Convex  
*Parent material:* Clayey residuum weathered from granite and gneiss

##### Properties and qualities

*Slope:* 10 to 15 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.57 to 1.98 in/hr)  
*Depth to water table:* More than 80 inches  
*Frequency of flooding:* None  
*Frequency of ponding:* None  
*Available water capacity:* Low (about 4.4 inches)

##### Interpretive groups

*Land capability (nonirrigated):* 6e

##### Typical profile

*0 to 7 inches:* Clay loam  
*7 to 22 inches:* Clay  
*22 to 34 inches:* Sandy loam

## Data Source Information

Soil Survey Area: Greenville County, South Carolina  
Survey Area Data: Version 7, Jan 8, 2009