

**30C**  
21.45 AC.

30C-Groseclose-Litz complex, 7 to 15 percent slopes. These strongly sloping, well drained soils occur as areas so intermingled that mapping them separately is not practical. This map unit is about 50 percent very deep Groseclose soil, 35 percent moderately deep Litz soil, and 15 percent other soils. Areas are long and winding and range from about 4 to 40 acres in size. The typical sequence, depth, and composition of the layers in the Groseclose soil are as follows: Surface layer - 0 to 7 inches, dark yellowish brown silt loam; Subsoil - 7 to 13 inches, yellowish brown clay; 13 to 26 inches, strong brown clay; 26 to 37 inches, strong brown silty clay loam; 37 to 50 inches, yellowish brown silty clay loam; Substratum - 50 to 65 inches, yellowish brown, light gray, and red silty clay loam. The typical sequence, depth, and composition of the layers in the Litz soil are as follows: Surface layer - 0 to 5 inches, dark brown channery silt loam; Subsurface layer - 5 to 9 inches, yellowish brown channery silt loam; Subsoil - 9 to 13 inches, yellowish brown very channery silt loam; 13 to 20 inches, yellowish brown extremely channery silt loam; Substratum - 20 to 29 inches, yellowish brown, weak red, and gray, weathered shale; Bedrock - 29 inches, shale. The permeability of the Groseclose soil is slow and the permeability of the Litz soil is moderate. The erosion potential for the soil is high.

**30D**  
17.50 AC.

30D-Groseclose-Litz complex, 15 to 30 percent slopes. These moderately steep, well drained soils occur as areas so intermingled that mapping them separately is not practical. This map unit is about 50 percent very deep Groseclose soil, 35 percent moderately deep Litz soil, and 15 percent other soils. Areas are long and winding and range from about 4 to 65 acres in size. The typical sequence, depth, and composition of the layers in the Groseclose soil are as follows: Surface layer - 0 to 7 inches, dark yellowish brown silt loam; Subsoil - 7 to 13 inches, yellowish brown clay; 13 to 26 inches, strong brown clay; 26 to 37 inches, strong brown silty clay loam; 37 to 50 inches, yellowish brown silty clay loam; Substratum - 50 to 65 inches, yellowish brown, light gray, and red silty clay loam. The typical sequence, depth, and composition of the layers in the Litz soil are as follows: Surface layer - 0 to 5 inches, dark brown channery silt loam; Subsurface layer - 5 to 9 inches, yellowish brown channery silt loam; Subsoil - 9 to 13 inches, yellowish brown very channery silt loam; 13 to 20 inches, yellowish brown extremely channery silt loam; Substratum - 20 to 29 inches, yellowish brown, weak red, and gray, weathered shale; Bedrock - 29 inches, shale. The permeability of the Groseclose soil is slow and the permeability of the Litz soil is moderate. The erosion potential for the soil is high.

**9C**  
4.00 AC.

9C-Chilhowie silty clay loam, 7 to 15 percent slopes, rocky. This strongly sloping soil is moderately deep and well drained. It is on side slopes, summits, and shoulders in a limestone valley. Rock outcrops cover 0.1 to 2.0 percent of the surface. Areas are roughly rectangular or long and winding and range from 4 to 25 acres in size. The typical sequence, depth, and composition of the layers in this soil are as follows: Surface layer - 0 to 6 inches, dark brown silty clay loam; Subsoil - 6 to 17 inches, yellowish brown clay; Substratum - 17 to 27 inches, yellowish brown extremely channery clay; Bedrock - 27 inches, limestone and calcareous shale.

**20C**  
6.27 AC.

20C-Frederick loam, 7 to 15 percent slopes. This very deep, strongly sloping, well drained soil is on narrow, convex summits, shoulders, and side slopes in a limestone valley. Areas range from 5 to 80 acres in size. The typical sequence, depth, and composition of the layers in this soil are as follows: Surface layer - 0 to 11 inches, dark yellowish brown loam; Subsoil - 11 to 29 inches, yellowish brown clay loam; 29 to 55 inches, yellowish red clay that has reddish yellow mottles; 55 to 65 inches, yellowish red clay that has red and reddish yellow mottles. The permeability of the soil is in the moderate range. The erosion potential for this soil is high.

**21D**  
0.06 AC.

21D-Frederick silty clay loam, 15 to 30 percent slopes, severely eroded. This very deep, moderately steep, well drained soil is on the sides of ridges in a limestone valley. Areas range from 4 to 15 acres in size. The typical sequence, depth, and composition of the layers in this soil are as follows: Surface layer - 0 to 5 inches, strong brown silty clay loam; Subsoil - 5 to 21 inches, yellowish red clay; 21 to 43 inches, yellowish red clay that has reddish yellow mottles; 43 to 65 inches, yellowish red clay that has red and reddish yellow mottles. The permeability of the soil is in the moderate range. The erosion potential for the soil is high.

**38A**  
4.58 AC.

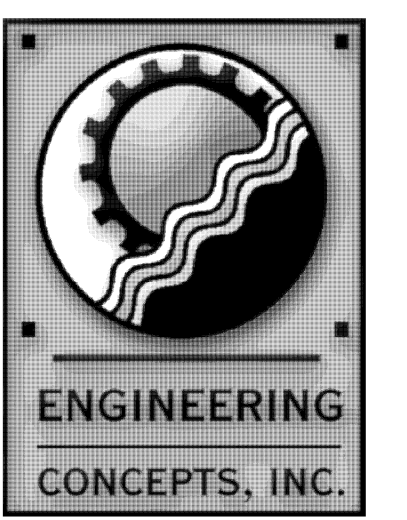
The Lindsie silt loam (38A) is a gently sloping nearly level, and moderately well drained. It is found in flood plains along major streams and rivers. The erodibility is categorized as low and permeability is classified as moderately slow or moderate. Depth to bedrock is more than 60 inches and depth to water table is 18 to 36 inches.

**53B**  
0.32 AC.

53B-Timberville silt loam, 0 to 7 percent slopes, occasionally flooded. This nearly level and gently sloping soil is very deep and well drained. It is on narrow to moderately broad foot slopes and in upland drainageways in a limestone valley. Areas are long and winding and range from about 4 to 20 acres in size. The typical sequence, depth, and composition of the layers in this soil are as follows: Surface layer - 0 to 14 inches, dark yellowish brown silt loam; Subsoil - 14 to 30 inches, dark yellowish brown silt loam that has yellowish brown mottles; 30 to 43 inches, yellowish brown silty clay loam; 43 to 55 inches, strong brown clay; 55 to 65 inches, yellowish brown clay. The permeability of the soil is in the moderate range. The erosion potential is in the moderate range.

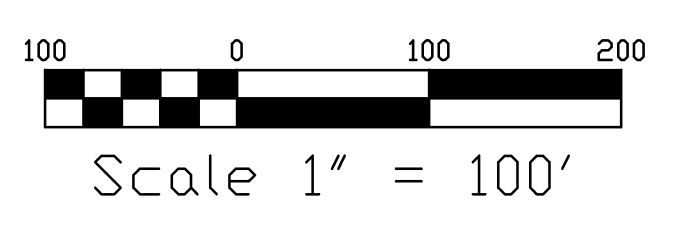
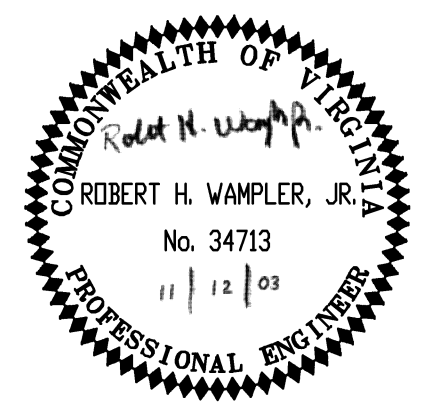
**28C** **28D**  
8.96 AC. 4.56 AC.

The Groseclose silt loam (28C & 28D) is a gently sloping to strongly sloping, well drained soils on narrow, convex summits, shoulders, and side slopes in limestone valleys. The erodibility is categorized as medium to high and permeability is classified as slow. Depth to bedrock is more than 60 inches and depth to water table is more than 72 inches.



20 South Roanoke St.  
Fincastle, Virginia 24090  
540.473.1253 540.473.1254(Fax)  
email@engineeringconcepts.com  
ECI PROJECT #02019

GENERAL NOTES



PROJECT TITLE

The Glebe

**SFC S** Architecture  
Engineering  
Planning  
Interiors

SFCS Inc. • 305 South Jefferson Street  
Roanoke, Virginia 24011.2003  
540.344.6664 • Fax 540.343.6925  
www.sfcs.com

PROJECT DESIGNER	: SFCS	
PROJECT ARCHITECT	: SFCS	
PROJECT ENGINEER	: ECI	
DRAWN BY	: ECI	
CHECKED BY	: ECI	
APPROVED BY	: ECI	
NO.	REVISION DESCRIPTION	DATE
3	E&S REVISIONS	9/15/03
4	E&S REVISIONS	10/24/03

DRAWING TITLE  
**OVERALL EROSION  
AND SEDIMENT  
CONTROL PLAN**

COMM. NO.	DATE
47115.00	11/12/03
DRAWING	SHEET

CADD VERSION	ACADR-14
PLOT SCALE	1/1
PLOT DATE	
COMM. NO.	
DRAWING NO.	