



280C-Groseclose silt loam, 7 to 15 percent slopes

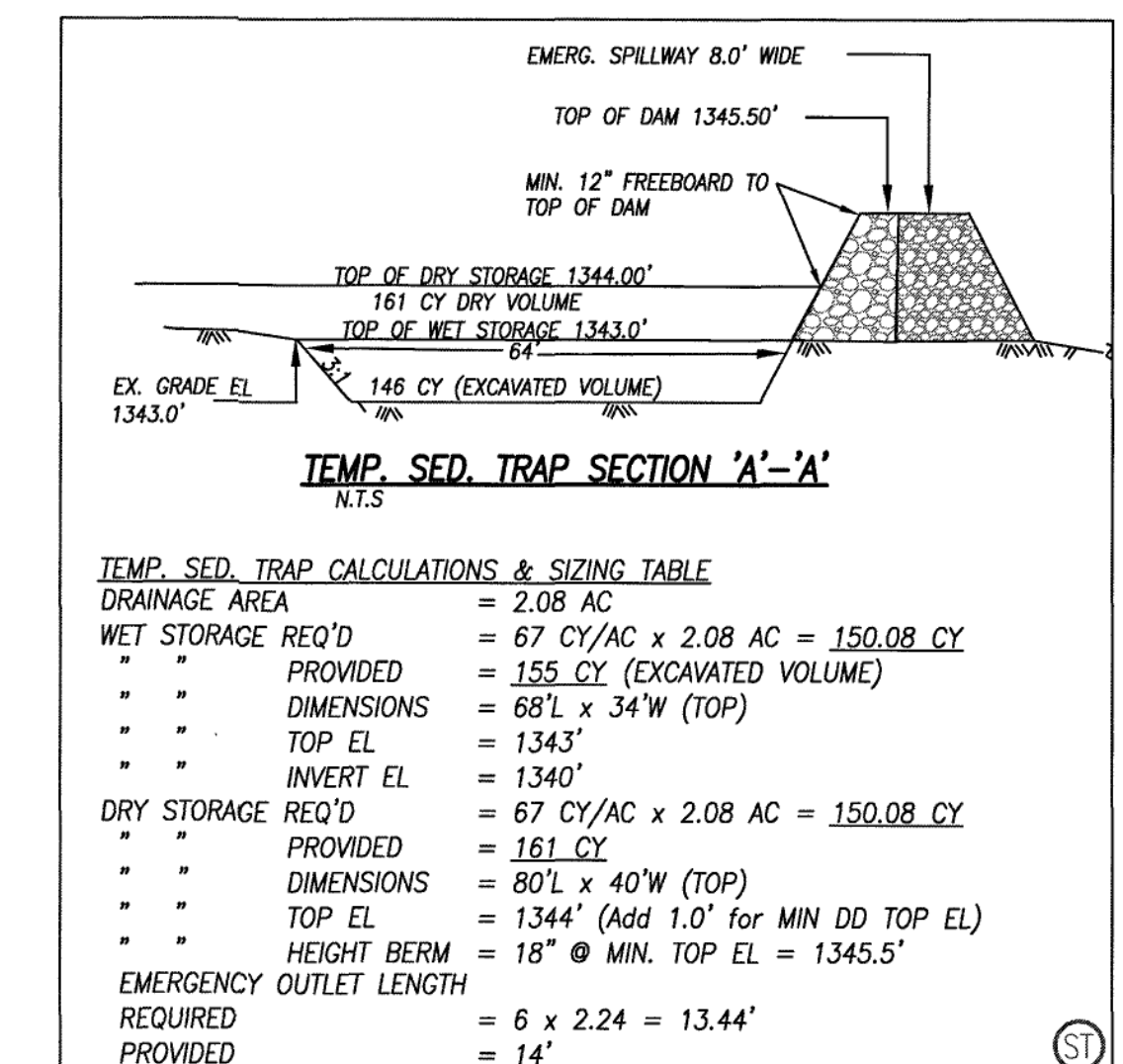
Map Unit Setting  
National map unit symbol: Kf47  
Elevation: 1,000 to 2,600 feet  
Mean annual precipitation: 30 to 45 inches  
Mean annual air temperature: 50 to 57 degrees F  
Frost-free period: 153 to 196 days  
Farmland classification: Farmland of statewide importance

Map Unit Composition  
Groseclose and similar soils: 80 percent  
Estimates are based on observations, descriptions, and transects of the mapunit.  
Description of Groseclose Setting  
Landform: Hills  
Landform position (two-dimensional): Summit, shoulder, backslope  
Landform position (three-dimensional): Side slope, nose slope, interfluvium  
Down-slope shape: Convex  
Across-slope shape: Convex  
Parent material: Residuum weathered from limestone and shale  
Typical profile  
H1 - 0 to 7 inches: silt loam  
H2 - 7 to 26 inches: clay  
H3 - 26 to 65 inches: silty clay loam  
Properties and qualities  
Slope: 7 to 15 percent  
Depth to restrictive feature: More than 80 inches  
Natural drainage class: Well drained  
Runoff class: Very high  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)  
Depth to water table: More than 80 inches  
Frequency of flooding: None  
Frequency of ponding: None  
Available water storage in profile: Moderate (about 8.5 inches)  
Interpretive groups  
Land capability classification (irrigated): None specified  
Land capability classification (nonirrigated): 3e  
Hydrologic Soil Group: C

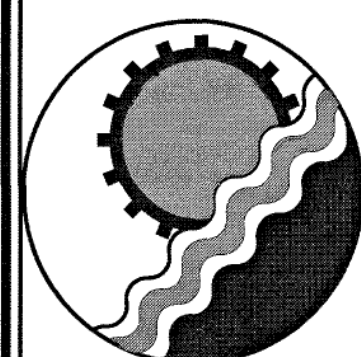
280C-Groseclose silt loam, 15 to 30 percent slopes

Map Unit Setting  
National map unit symbol: Kf48  
Elevation: 1,000 to 2,600 feet  
Mean annual precipitation: 30 to 45 inches  
Mean annual air temperature: 50 to 57 degrees F  
Frost-free period: 153 to 196 days  
Farmland classification: Not prime farmland

Map Unit Composition  
Groseclose and similar soils: 80 percent  
Estimates are based on observations, descriptions, and transects of the mapunit.  
Description of Groseclose Setting  
Landform: Hills  
Landform position (two-dimensional): Backslope  
Landform position (three-dimensional): Nose slope, side slope  
Down-slope shape: Convex  
Across-slope shape: Convex  
Parent material: Residuum weathered from limestone and shale  
Typical profile  
H1 - 0 to 7 inches: silt loam  
H2 - 7 to 26 inches: clay  
H3 - 26 to 65 inches: silty clay loam  
Properties and qualities  
Slope: 15 to 30 percent  
Depth to restrictive feature: More than 80 inches  
Natural drainage class: Well drained  
Runoff class: Very high  
Capacity of the most limiting layer to transmit water (Ksat): Moderately low to moderately high (0.06 to 0.20 in/hr)  
Depth to water table: More than 80 inches  
Frequency of flooding: None  
Frequency of ponding: None  
Available water storage in profile: Moderate (about 8.5 inches)  
Interpretive groups  
Land capability classification (irrigated): None specified  
Land capability classification (nonirrigated): 4e  
Hydrologic Soil Group: C



TEMPORARY SEDIMENT TRAP DETAIL



ENGINEERING CONCEPTS, INC.

20 S. ROANOKE ST., PO BOX 619  
FINCASTLE, VIRGINIA 24090  
540.473.1253 FAX: 540.473.1254

Drawn  
msmJ  
Designed  
ECI  
Checked  
RHW  
Approved  
RHW

EROSION & SEDIMENT CONTROL PLAN  
COTTAGE ADDITION - 21

"THE GLEBE"  
BOTETOURT COUNTY - VIRGINIA

SCALE: 1"=30'  
DATE: SEP. 21, 2016  
PROJECT: 16064

C6

