

## Table ENG-4. - Building Site Development

Orange County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>Ab:</b>							
Albano	85	Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Depth to hard bedrock	0.77		
		Depth to saturated zone	1.00	Too clayey	0.32		
<b>AIA:</b>							
Altavista	85	Somewhat limited		Very limited		Somewhat limited	
		Flooding	0.40	Cutbanks cave	1.00	Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Depth to saturated zone	1.00		
<b>AIB:</b>							
Altavista	85	Somewhat limited		Very limited		Somewhat limited	
		Flooding	0.40	Cutbanks cave	1.00	Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Depth to saturated zone	1.00		
<b>AIC2:</b>							
Altavista	85	Somewhat limited		Very limited		Somewhat limited	
		Flooding	0.40	Cutbanks cave	1.00	Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Depth to saturated zone	1.00		
<b>ApB:</b>							
Appling	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
<b>ApB2:</b>							
Appling	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
<b>ApC2:</b>							
Appling	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10		
<b>AuA:</b>							
Augusta	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Depth to saturated zone	0.75	Cutbanks cave	1.00		
Roanoke	5	Not Rated		Not Rated		Not Rated	

AuB:

## Table ENG-4. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>AuB:</b>							
Augusta	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Depth to saturated zone	0.75	Cutbanks cave	1.00		
<b>Be:</b>							
Bermudian	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Cutbanks cave	1.00	Flooding	1.00
		Low strength	0.78	Flooding	0.80		
		Frost action	0.50	Depth to saturated zone	0.35		
Rowland	3	Not Rated		Not Rated		Not Rated	
<b>Bo:</b>							
Bowmansville	85	Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	0.80		
<b>BrC:</b>							
Bremo	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to bedrock	0.46
		Slope	0.16	Cutbanks cave	1.00	Droughty	0.31
				Slope	0.16	Slope	0.16
<b>BrD:</b>							
Bremo	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Slope	1.00	Depth to bedrock	0.46
				Cutbanks cave	1.00	Droughty	0.31
<b>BsB2:</b>							
Bucks	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	0.10	Depth to bedrock	0.06
		Shrink-swell	0.50	Depth to soft bedrock	0.06		
		Frost action	0.50				
<b>BsC2:</b>							
Bucks	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	0.50	Cutbanks cave	0.10	Depth to bedrock	0.06
		Frost action	0.50	Depth to soft bedrock	0.06		
<b>BtB2:</b>							

**Table ENG-4. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>BtB2:</b>							
Bucks	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	0.10	Depth to bedrock	0.06
		Shrink-swell	0.50	Depth to soft bedrock	0.06		
		Frost action	0.50				
<b>BtC2:</b>							
Bucks	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	0.50	Cutbanks cave	0.10	Depth to bedrock	0.06
		Frost action	0.50	Depth to soft bedrock	0.06		
<b>BuC3:</b>							
Bucks	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	0.50	Cutbanks cave	0.10	Depth to bedrock	0.06
		Frost action	0.50	Depth to soft bedrock	0.06		
<b>Bw:</b>							
Buncombe	85	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Cutbanks cave	1.00	Droughty	0.82
				Flooding	0.60	Flooding	0.60
<b>CaB:</b>							
Calverton	85	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to cemented pan	0.95
		Low strength	1.00	Depth to thin cemented pan	0.95	Depth to saturated zone	0.75
		Depth to saturated zone	0.75	Depth to dense layer	0.50	Droughty	0.01
Albano	3	Not Rated		Not Rated		Not Rated	
<b>CbB:</b>							
Calverton	60	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to cemented pan	0.95
		Low strength	1.00	Depth to thin cemented pan	0.95	Depth to saturated zone	0.75
		Depth to saturated zone	0.75	Depth to dense layer	0.50	Droughty	0.01
Creedmoor	30	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.43
		Shrink-swell	0.50	Too clayey	0.28		
		Depth to saturated zone	0.43	Cutbanks cave	0.10		
Albano	3	Not Rated		Not Rated		Not Rated	
<b>CcC:</b>							

**Table ENG-4. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>CcC:</b>							
Catoclin	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to hard bedrock	0.97	Depth to hard bedrock	1.00	Depth to bedrock	0.97
		Slope	0.16	Slope	0.16	Droughty	0.30
				Cutbanks cave	0.10	Slope	0.16
<b>CcD:</b>							
Catoclin	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.97	Slope	1.00	Depth to bedrock	0.97
				Cutbanks cave	0.10	Droughty	0.30
<b>CdD:</b>							
Catoclin	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.97	Slope	1.00	Depth to bedrock	0.97
				Cutbanks cave	0.10	Droughty	0.30
<b>CdE:</b>							
Catoclin	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.97	Slope	1.00	Depth to bedrock	0.97
				Cutbanks cave	0.10	Droughty	0.30
<b>CeB2:</b>							
Cecil	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
<b>CeC2:</b>							
Cecil	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10		
<b>CmB2:</b>							
Cecil	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
<b>CmC2:</b>							
Cecil	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10		
<b>CsC3:</b>							
Cecil	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.16	Slope	0.16
		Slope	0.16	Cutbanks cave	0.10		
<b>Cw:</b>							

## Table ENG-4. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>Cw:</b>							
Chewacla	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Low strength	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	0.80		
Wehadkee	5	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10		
<b>CxB:</b>							
Colfax	85	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00	Depth to cemented pan	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
				Cutbanks cave	1.00	Droughty	0.11
Worsham	3	Not Rated		Not Rated		Not Rated	
<b>Cy:</b>							
Comus	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10		
<b>Cz:</b>							
Comus	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10		
<b>DaB2:</b>							
Davidson	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.98		
				Cutbanks cave	0.10		
<b>DaC2:</b>							
Davidson	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.98	Slope	0.37
		Slope	0.37	Slope	0.37		
				Cutbanks cave	0.10		
<b>DaD2:</b>							
Davidson	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.98		
				Cutbanks cave	0.10		

DcC:

**Table ENG-4. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>DcC:</b>							
Davidson	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.98	Slope	0.37
		Slope	0.37	Slope	0.37		
				Cutbanks cave	0.10		
<b>DcD:</b>							
Davidson	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.98		
				Cutbanks cave	0.10		
<b>DcE:</b>							
Davidson	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.98		
				Cutbanks cave	0.10		
<b>DdB3:</b>							
Davidson	85	Very limited		Somewhat limited		Very limited	
		Low strength	1.00	Too clayey	0.98	Too clayey	1.00
				Cutbanks cave	0.10		
<b>DdC3:</b>							
Davidson	85	Very limited		Somewhat limited		Very limited	
		Low strength	1.00	Too clayey	0.98	Too clayey	1.00
		Slope	0.37	Slope	0.37	Slope	0.37
				Cutbanks cave	0.10		
<b>DdD3:</b>							
Davidson	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.98	Too clayey	1.00
				Cutbanks cave	0.10		
<b>DkB2:</b>							
Dyke	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.72		
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
<b>DkC2:</b>							
Dyke	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.72	Slope	0.37
		Shrink-swell	0.50	Slope	0.37		
		Frost action	0.50	Cutbanks cave	0.10		

Eb:

**Table ENG-4. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>Eb:</b>							
Elbert	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Too clayey	0.13		
		Shrink-swell	1.00	Cutbanks cave	0.10		
<b>Ee:</b>							
Elbert	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Too clayey	0.13		
		Shrink-swell	1.00	Cutbanks cave	0.10		
<b>EIB2:</b>							
Elioak	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	0.10	Content of large stones	<0.01
		Frost action	0.50				
<b>EIC2:</b>							
Elioak	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	<0.01
		Slope	0.37				
<b>EmB3:</b>							
Elioak	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	0.10	Droughty	<0.01
		Frost action	0.50			Content of large stones	<0.01
<b>EmC3:</b>							
Elioak	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.10	Droughty	<0.01
		Slope	0.37			Content of large stones	<0.01
<b>EsB:</b>							
Elsinboro	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Depth to saturated zone	0.16		
		Frost action	0.50	Cutbanks cave	0.10		
<b>EsB2:</b>							
Elsinboro	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Depth to saturated zone	0.16		
		Frost action	0.50	Cutbanks cave	0.10		
<b>EsC2:</b>							

**Table ENG-4. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>EsC2:</b>							
Elsinboro	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Depth to saturated zone	0.16		
		Slope	0.37	Cutbanks cave	0.10		
<b>FaB2:</b>							
Fauquier	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.28	Depth to bedrock	0.02
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50	Depth to soft bedrock	0.02		
<b>FaC2:</b>							
Fauquier	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	0.50	Too clayey	0.28	Depth to bedrock	0.02
		Frost action	0.50	Cutbanks cave	0.10		
<b>FcC3:</b>							
Fauquier	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.63	Slope	0.63
		Slope	0.63	Too clayey	0.28	Depth to bedrock	0.02
		Shrink-swell	0.50	Cutbanks cave	0.10		
<b>FIB:</b>							
Fluvanna	85	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
		Shrink-swell	0.50	Too clayey	0.50		
<b>FIB2:</b>							
Fluvanna	85	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
		Shrink-swell	0.50	Too clayey	0.50		
<b>FIC2:</b>							
Fluvanna	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Slope	0.37
		Shrink-swell	0.50	Too clayey	0.50		
		Slope	0.37	Slope	0.37		
<b>GIB2:</b>							
Glenelg	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
<b>GIC2:</b>							

**Table ENG-4. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>GIC2:</b>							
Glenelg	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.10		
		Slope	0.37				
<b>GrB2:</b>							
Grover	85	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
<b>GrC2:</b>							
Grover	85	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.37	Cutbanks cave	1.00	Slope	0.37
				Slope	0.37		
<b>GsC3:</b>							
Grover	85	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.37	Cutbanks cave	1.00	Slope	0.37
				Slope	0.37		
<b>HaC:</b>							
Hazel	85	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Depth to hard bedrock	1.00	Depth to bedrock	0.46
		Depth to hard bedrock	0.46	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10		
<b>HaD:</b>							
Hazel	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00	Depth to bedrock	0.46
		Depth to hard bedrock	0.46	Cutbanks cave	0.10		
<b>HeB:</b>							
Helena	85	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Depth to saturated zone	0.19
		Low strength	1.00	Depth to saturated zone	1.00		
		Depth to saturated zone	0.19	Too clayey	0.28		
<b>HeC2:</b>							
Helena	85	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Cutbanks cave	1.00	Depth to saturated zone	0.19
		Low strength	1.00	Depth to saturated zone	1.00		
		Depth to saturated zone	0.19	Too clayey	0.28		
<b>HsB:</b>							
Hiwassee	85	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
				Too clayey	0.28		

**Table ENG-4. - Building Site Development - Continued**

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Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>HsB2:</b>							
Hiwassee	85	Very limited Low strength	1.00	Very limited Cutbanks cave Too clayey	1.00 0.28	Not limited	
<b>HsC2:</b>							
Hiwassee	85	Very limited Low strength Slope	1.00 0.37	Very limited Cutbanks cave Slope Too clayey	1.00 0.37 0.28	Somewhat limited Slope	0.37
<b>HwC3:</b>							
Hiwassee	85	Very limited Low strength Slope	1.00 0.16	Very limited Cutbanks cave Too clayey Slope	1.00 0.28 0.16	Somewhat limited Slope	0.16
<b>KID:</b>							
Klinesville	85	Very limited Slope Depth to hard bedrock Frost action	1.00 1.00 0.50	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Droughty Depth to bedrock	1.00 1.00 1.00
<b>KIE:</b>							
Klinesville	85	Very limited Slope Depth to hard bedrock Frost action	1.00 1.00 0.50	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Droughty Depth to bedrock	1.00 1.00 1.00
<b>LgB:</b>							
Lignum	85	Very limited Low strength Depth to saturated zone	1.00 0.48	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone	0.48
Worsham	3	Not Rated		Not Rated		Not Rated	
<b>LIB2:</b>							
Lloyd	85	Very limited Low strength Shrink-swell	1.00 0.50	Very limited Cutbanks cave Too clayey	1.00 0.72	Not limited	
<b>LIC2:</b>							
Lloyd	85	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.37	Very limited Cutbanks cave Too clayey Slope	1.00 0.72 0.37	Somewhat limited Slope	0.37
<b>LmB3:</b>							

**Table ENG-4. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
LmB3:							
Lloyd	85	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
		Shrink-swell	0.50	Too clayey	0.72		
LmC3:							
Lloyd	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Slope	0.37
		Shrink-swell	0.50	Too clayey	0.72		
		Slope	0.37	Slope	0.37		
LmD3:							
Lloyd	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	1.00		
		Shrink-swell	0.50	Too clayey	0.72		
LoC:							
Louisburg	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to bedrock	0.46
		Slope	0.16	Slope	0.16	Droughty	0.23
				Cutbanks cave	0.10	Slope	0.16
LoC2:							
Louisburg	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to bedrock	0.46
		Slope	0.37	Slope	0.37	Slope	0.37
				Cutbanks cave	0.10	Droughty	0.23
LoD:							
Louisburg	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Slope	1.00	Depth to bedrock	0.46
				Cutbanks cave	0.10	Droughty	0.23
LoD2:							
Louisburg	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Slope	1.00	Depth to bedrock	0.46
				Cutbanks cave	0.10	Droughty	0.23
MaB2:							
Madison	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
MaC2:							
Madison	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10		
MdC3:							

**Table ENG-4. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>MdC3:</b>							
Madison	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10		
<b>MnB:</b>							
Manassas	85	Very limited		Very limited		Not limited	
		Low strength	1.00	Depth to saturated zone	1.00		
		Frost action	0.50	Cutbanks cave	0.10		
		Flooding	0.40				
<b>MoD:</b>							
Manor	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10		
<b>MrB:</b>							
Manteo	85	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Content of large stones	0.01	Cutbanks cave	0.10	Droughty	1.00
				Content of large stones	0.01	Content of large stones	0.74
<b>MrC:</b>							
Manteo	85	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope	0.37	Slope	0.37	Droughty	1.00
		Content of large stones	0.01	Cutbanks cave	0.10	Content of large stones	0.74
<b>MrD:</b>							
Manteo	85	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.01	Cutbanks cave	0.10	Droughty	1.00
<b>MrE:</b>							
Manteo	85	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.01	Cutbanks cave	0.10	Droughty	1.00
<b>MsB:</b>							
Masada	85	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
		Shrink-swell	0.50				

MsB2:

**Table ENG-4. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>MsB2:</b>							
Masada	85	Very limited Low strength Shrink-swell	1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
<b>MsC2:</b>							
Masada	85	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Slope	0.37
<b>MtC3:</b>							
Masada	85	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Slope	0.37
<b>MuB:</b>							
Mayodan	85	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
<b>MuB2:</b>							
Mayodan	85	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
<b>MuC2:</b>							
Mayodan	85	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37
<b>MvB2:</b>							
Mecklenburg	85	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Too clayey Cutbanks cave	0.50 0.10	Not limited	
<b>MvC2:</b>							
Mecklenburg	85	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.37	Somewhat limited Too clayey Slope Cutbanks cave	0.50 0.37 0.10	Somewhat limited Slope	0.37
<b>Mx:</b>							
Mixed alluvial land	85	Not Rated		Not Rated		Not Rated	
Wehadkee	5	Not Rated		Not Rated		Not Rated	
Worsham	5	Not Rated		Not Rated		Not Rated	

**Table ENG-4. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>MyB2:</b>							
Myersville	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	0.10	Depth to bedrock	0.01
		Frost action	0.50	Depth to soft bedrock	0.01		
<b>MyC2:</b>							
Myersville	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.10	Depth to bedrock	0.01
		Slope	0.37	Depth to soft bedrock	0.01		
<b>NaB2:</b>							
Nason	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
<b>NaC2:</b>							
Nason	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Slope	0.37				
<b>NsB:</b>							
Nason	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
<b>NsB2:</b>							
Nason	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
<b>NsC:</b>							
Nason	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Slope	0.37				
<b>NsC2:</b>							
Nason	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Slope	0.37				
<b>NsD2:</b>							
Nason	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				

NtC3:

**Table ENG-4. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>NtC3:</b>							
Nason	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.16	Slope	0.16
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Slope	0.16				
<b>OgA:</b>							
Orange variant	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Depth to saturated zone	1.00	Depth to bedrock	0.03
				Too clayey	0.88		
Elbert	5	Not Rated		Not Rated		Not Rated	
<b>OgB:</b>							
Orange variant	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Depth to saturated zone	1.00	Depth to bedrock	0.03
				Too clayey	0.88		
<b>OgB2:</b>							
Orange variant	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Depth to saturated zone	1.00	Depth to bedrock	0.03
				Too clayey	0.88		
<b>OgC2:</b>							
Orange variant	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Slope	0.37
		Slope	0.37	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Too clayey	0.88	Depth to bedrock	0.03
<b>OrA:</b>							
Orange	70	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Too clayey	0.13		
				Cutbanks cave	0.10		
Iredell	25	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Low strength	1.00	Too clayey	0.50		
		Depth to saturated zone	0.75	Depth to hard bedrock	0.26		
Elbert	3	Not Rated		Not Rated		Not Rated	
<b>OrB:</b>							

**Table ENG-4. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
OrB:							
Orange	60	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Too clayey	0.13		
				Cutbanks cave	0.10		
Iredell	35	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Low strength	1.00	Too clayey	0.50		
		Depth to saturated zone	0.75	Depth to hard bedrock	0.26		
OrB2:							
Orange	60	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Too clayey	0.13		
				Cutbanks cave	0.10		
Iredell	30	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Low strength	1.00	Too clayey	0.50		
		Depth to saturated zone	0.75	Depth to hard bedrock	0.26		
PeB:							
Penn	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.64	Depth to bedrock	0.65
				Cutbanks cave	0.10		
PeC:							
Penn	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.64	Depth to bedrock	0.65
		Slope	0.37	Slope	0.37	Slope	0.37
				Cutbanks cave	0.10		
PkC:							
Pinkston	85	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.37	Depth to hard bedrock	1.00	Slope	0.37
		Depth to hard bedrock	0.10	Cutbanks cave	1.00	Depth to bedrock	0.10
				Slope	0.37		
PkD:							
Pinkston	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.10	Slope	1.00	Depth to bedrock	0.10
				Cutbanks cave	1.00		

RaB2:

**Table ENG-4. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>RaB2:</b>							
Rabun	85	Very limited Low strength	1.00	Somewhat limited Depth to soft bedrock Cutbanks cave	0.32 0.10	Somewhat limited Depth to bedrock	0.32
<b>RaC2:</b>							
Rabun	85	Very limited Low strength Slope	1.00 0.37	Somewhat limited Slope Depth to soft bedrock Cutbanks cave	0.37 0.32 0.10	Somewhat limited Slope Depth to bedrock	0.37 0.32
<b>RaD2:</b>							
Rabun	85	Very limited Slope Low strength	1.00 1.00	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.32 0.10	Very limited Slope Depth to bedrock	1.00 0.32
<b>RaE2:</b>							
Rabun	85	Very limited Slope Low strength	1.00 1.00	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.32 0.10	Very limited Slope Depth to bedrock	1.00 0.32
<b>RcD3:</b>							
Rabun	85	Very limited Slope Low strength	1.00 1.00	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.32 0.10	Very limited Slope Depth to bedrock	1.00 0.32
<b>RdB2:</b>							
Rapidan	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Too clayey Cutbanks cave	0.50 0.10	Not limited	
<b>RdC2:</b>							
Rapidan	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Too clayey Slope Cutbanks cave	0.50 0.37 0.10	Somewhat limited Slope	0.37
<b>ReC3:</b>							
Rapidan	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Too clayey Slope Cutbanks cave	0.50 0.37 0.10	Somewhat limited Slope	0.37

Rk:

**Table ENG-4. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
Rk:							
Roanoke	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Low strength	1.00	Too clayey	0.13		
RnC:							
Rock land	85	Not Rated		Not Rated		Not Rated	
RnD:							
Rock land	85	Not Rated		Not Rated		Not Rated	
RoC:							
Rock land	85	Not Rated		Not Rated		Not Rated	
RoE:							
Rock land	85	Not Rated		Not Rated		Not Rated	
Rw:							
Rowland	85	Very limited		Very limited		Very limited	
		Frost action	1.00	Cutbanks cave	1.00	Flooding	1.00
		Flooding	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Low strength	1.00	Flooding	0.80		
Bowmansville	3	Not Rated		Not Rated		Not Rated	
SeB:							
Seneca	85	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
				Depth to saturated zone	0.99		
SrC:							
Starr	85	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
		Shrink-swell	0.50				
StA:							
State	85	Somewhat limited		Very limited		Not limited	
		Flooding	0.40	Cutbanks cave	1.00		
				Depth to saturated zone	0.15		
TaB2:							
Tatum	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.72		
		Shrink-swell	0.50	Depth to hard bedrock	0.71		
				Cutbanks cave	0.10		

**Table ENG-4. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>TaC2:</b>							
Tatum	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.72	Slope	0.37
		Shrink-swell	0.50	Depth to hard bedrock	0.71		
		Slope	0.37	Slope	0.37		
<b>TsB:</b>							
Tatum	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.72		
		Shrink-swell	0.50	Depth to hard bedrock	0.71		
				Cutbanks cave	0.10		
<b>TsB2:</b>							
Tatum	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.72		
		Shrink-swell	0.50	Depth to hard bedrock	0.71		
				Cutbanks cave	0.10		
<b>TsC:</b>							
Tatum	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.72	Slope	0.37
		Shrink-swell	0.50	Depth to hard bedrock	0.71		
		Slope	0.37	Slope	0.37		
<b>TsC2:</b>							
Tatum	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.72	Slope	0.37
		Shrink-swell	0.50	Depth to hard bedrock	0.71		
		Slope	0.37	Slope	0.37		
<b>TtB3:</b>							
Tatum	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.72		
		Shrink-swell	0.50	Depth to hard bedrock	0.71		
				Cutbanks cave	0.10		
<b>TtC3:</b>							
Tatum	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.72	Slope	0.37
		Shrink-swell	0.50	Depth to hard bedrock	0.71		
		Slope	0.37	Slope	0.37		
<b>TuB:</b>							
Turbeville	85	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
				Too clayey	0.13		
<b>TuB2:</b>							

**Table ENG-4. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>TuB2:</b>							
Turbeville	85	Very limited Low strength	1.00	Very limited Cutbanks cave Too clayey	1.00 0.13	Not limited	
<b>TuC2:</b>							
Turbeville	85	Very limited Low strength Slope	1.00 0.37	Very limited Cutbanks cave Slope Too clayey	1.00 0.37 0.13	Somewhat limited Slope	0.37
<b>VaB:</b>							
Vance	85	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Not limited	
<b>VaB2:</b>							
Vance	85	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Not limited	
<b>W:</b>							
Water	100	Not Rated		Not Rated		Not Rated	
<b>WaB2:</b>							
Wadesboro	85	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Not limited	
<b>WaC2:</b>							
Wadesboro	85	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.37	Somewhat limited Slope Too clayey Cutbanks cave	0.37 0.28 0.10	Somewhat limited Slope	0.37
<b>WaD2:</b>							
Wadesboro	85	Very limited Slope Low strength Shrink-swell	1.00 1.00 0.50	Very limited Slope Too clayey Cutbanks cave	1.00 0.28 0.10	Very limited Slope	1.00
<b>WbB:</b>							
Watt	85	Very limited Depth to hard bedrock	1.00	Very limited Depth to hard bedrock Cutbanks cave	1.00 0.10	Very limited Droughty Depth to bedrock	1.00 1.00
<b>WbC:</b>							

**Table ENG-4. - Building Site Development - Continued**

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>WbC:</b>							
Watt	85	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Droughty	1.00
		Slope	0.37	Slope	0.37	Depth to bedrock	1.00
				Cutbanks cave	0.10	Slope	0.37
<b>WbD:</b>							
Watt	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	1.00	Slope	1.00	Droughty	1.00
				Cutbanks cave	0.10	Depth to bedrock	1.00
<b>We:</b>							
Wehadkee	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10		
<b>WkC:</b>							
Wilkes	85	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Depth to hard bedrock	0.79	Depth to soft bedrock	1.00	Droughty	0.79
		Shrink-swell	0.50	Slope	0.37	Slope	0.37
<b>WkD:</b>							
Wilkes	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.79	Slope	1.00	Droughty	0.79
<b>WoB:</b>							
Worsham	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	1.00		
		Shrink-swell	0.50	Too clayey	0.13		
<b>X:</b>							
Quarries	85	Not Rated		Not Rated		Not Rated	
<b>YoB:</b>							
York	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to cemented pan	0.84
		Depth to saturated zone	0.03	Depth to thin cemented pan	0.84	Depth to saturated zone	0.03
				Cutbanks cave	0.10		
<b>ZoB:</b>							

## Table ENG-4. - Building Site Development - Continued

Orange County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Local Roads and Streets		Shallow Excavations		Lawns and Landscaping	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
ZoB:							
Zion	85	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
		Shrink-swell	1.00	Depth to hard bedrock	1.00		
				Too clayey	0.28		
ZoC2:							
Zion	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Slope	0.37
		Shrink-swell	1.00	Depth to hard bedrock	1.00		
		Slope	0.37	Slope	0.37		