

## Table ENG-4. - Building Site Development

Scott 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>1D:</b>							
Bailegap	90	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00		
				Depth to hard bedrock	0.77		
Carbo		Not Rated		Not Rated		Not Rated	
<b>2E:</b>							
Bailegap	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00		
				Depth to hard bedrock	0.77		
Gilpin	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.35	Depth to bedrock	0.35
		Low strength	0.22	Cutbanks cave	0.10		
Oriskany		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
Wallen		Not Rated		Not Rated		Not Rated	
<b>3E:</b>							
Berks	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.11
				Depth to soft bedrock	0.01	Gravel content	0.03
Chiswell	40	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Carbo		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Holly		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60

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

Scott 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
3E:							
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Shelocta		Not Rated		Not Rated		Not Rated	
3F:							
Berks	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.11
				Depth to soft bedrock	0.01	Gravel content	0.03
Chiswell	45	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Carbo		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Holly		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Shelocta		Not Rated		Not Rated		Not Rated	
4D:							
Berks	55	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.11
				Depth to soft bedrock	0.01	Gravel content	0.03
Groseclose	40	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	1.00				
Carbo		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
5D:							

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

Scott 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>5D:</b>							
Berks	45	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	Droughty	0.11
		Depth to hard bedrock	0.01	Cutbanks cave	0.10	Gravel content	0.03
Weikert	45	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
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Nicelytown		Not Rated		Not Rated		Not Rated	
Rough		Not Rated		Not Rated		Not Rated	
Shelocta		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
<b>5E:</b>							
Berks	65	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	Droughty	0.11
		Depth to hard bedrock	0.01	Cutbanks cave	0.10	Gravel content	0.03
Weikert	25	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
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Holly		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
Nicelytown		Not Rated		Not Rated		Not Rated	
Rough		Not Rated		Not Rated		Not Rated	
Shelocta		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
<b>5F:</b>							
Berks	60	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	Droughty	0.11
		Depth to hard bedrock	0.01	Cutbanks cave	0.10	Gravel content	0.03

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

Scott 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>5F:</b>							
Weikert	30	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
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Holly		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
Nicelytown		Not Rated		Not Rated		Not Rated	
Rough		Not Rated		Not Rated		Not Rated	
Shelocta		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
<b>6E:</b>							
Berks	55	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	Droughty	0.11
		Depth to hard bedrock	0.01	Cutbanks cave	0.10	Gravel content	0.03
Westmoreland	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	0.78	Depth to hard bedrock	0.13		
		Frost action	0.50	Cutbanks cave	0.10		
Carbo		Not Rated		Not Rated		Not Rated	
Holly		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
Oriskany		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
<b>6F:</b>							
Berks	65	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	Droughty	0.11
		Depth to hard bedrock	0.01	Cutbanks cave	0.10	Gravel content	0.03

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

Scott 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
6F:							
Westmoreland	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	0.78	Depth to hard bedrock	0.13		
		Frost action	0.50	Cutbanks cave	0.10		
Carbo		Not Rated		Not Rated		Not Rated	
Holly		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
Oriskany		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
7F:							
Calvin	70	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	Droughty	0.07
Rough	20	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
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Rock outcrop	5	Not Rated		Not Rated		Not Rated	
Holly		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
Oriskany		Not Rated		Not Rated		Not Rated	
Ramsey		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
8C:							
Carbo	50	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to hard bedrock	1.00	Slope	0.63
		Shrink-swell	1.00	Too clayey	1.00	Depth to bedrock	0.54
		Slope	0.63	Slope	0.63	Droughty	0.06

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

Scott 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>8C:</b>							
Beech Grove	30	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope	0.63	Slope	0.63	Droughty	1.00
		Frost action	0.50	Cutbanks cave	0.10	Slope	0.63
Rock outcrop	5	Not Rated		Not Rated		Not Rated	
Frederick		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
<b>8D:</b>							
Carbo	60	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.54
		Shrink-swell	1.00	Too clayey	1.00	Droughty	0.06
Beech Grove	30	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
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Rock outcrop	5	Not Rated		Not Rated		Not Rated	
Frederick		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
<b>8E:</b>							
Carbo	60	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.54
		Shrink-swell	1.00	Too clayey	1.00	Droughty	0.06
Beech Grove	30	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
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Rock outcrop	5	Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	

8F:

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

Scott 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>8F:</b>							
Carbo	60	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.54
		Shrink-swell	1.00	Too clayey	1.00	Droughty	0.06
Beech Grove	30	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
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Rock outcrop	5	Not Rated		Not Rated		Not Rated	
Westmoreland		Not Rated		Not Rated		Not Rated	
<b>9E:</b>							
Carbo	60	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.54
		Shrink-swell	1.00	Too clayey	1.00	Droughty	0.06
Frederick	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.98		
		Shrink-swell	1.00	Cutbanks cave	0.10		
Rock outcrop	5	Not Rated		Not Rated		Not Rated	
Beech Grove		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
<b>10D:</b>							
Carbo	65	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.54
		Shrink-swell	1.00	Too clayey	1.00	Droughty	0.06
Frederick	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.98		
		Shrink-swell	1.00	Cutbanks cave	0.10		
Rock outcrop	5	Not Rated		Not Rated		Not Rated	
Beech Grove		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	

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

Scott 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
10D:							
Opequon		Not Rated		Not Rated		Not Rated	
11D:							
Carbo	60	Very limited		Very limited		Very limited	
		Low strength	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00	Depth to bedrock	0.54
		Slope	1.00	Slope	1.00	Droughty	0.06
Rock outcrop	15	Not Rated		Not Rated		Not Rated	
Beech Grove		Not Rated		Not Rated		Not Rated	
Frederick		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
11F:							
Carbo	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.54
		Shrink-swell	1.00	Too clayey	1.00	Droughty	0.06
Rock outcrop	15	Not Rated		Not Rated		Not Rated	
Beech Grove		Not Rated		Not Rated		Not Rated	
Frederick		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
12D:							
Carbo	60	Very limited		Very limited		Very limited	
		Low strength	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	1.00	Depth to bedrock	0.54
		Slope	1.00	Slope	1.00	Droughty	0.06
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
Beech Grove		Not Rated		Not Rated		Not Rated	
Frederick		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
13A:							
Chagrin	90	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Depth to saturated zone	0.61	Flooding	0.60
		Frost action	0.50	Flooding	0.60		
				Cutbanks cave	0.10		

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

Scott 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>13A:</b>							
Holly	1	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
Lobdell		Not Rated		Not Rated		Not Rated	
Ogles		Not Rated		Not Rated		Not Rated	
Orrville		Not Rated		Not Rated		Not Rated	
<b>14C:</b>							
Claiborne	95	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.88	Slope	0.63
		Slope	0.63	Slope	0.63		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Carbo		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
<b>14D:</b>							
Claiborne	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.88		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Carbo		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
<b>14E:</b>							
Claiborne	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.88		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Carbo		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
<b>14F:</b>							
Claiborne	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.88		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Carbo		Not Rated		Not Rated		Not Rated	

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

Scott 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
14F:							
Marbie		Not Rated		Not Rated		Not Rated	
15A:							
Ebbing	90	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Depth to saturated zone	0.75	Cutbanks cave	0.10		
		Flooding	0.40				
Maurertown	1	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Low strength	1.00	Cutbanks cave	0.10		
Gladehill		Not Rated		Not Rated		Not Rated	
16C:							
Frederick	95	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.98	Slope	0.37
		Shrink-swell	1.00	Slope	0.37	Gravel content	0.08
		Frost action	0.50	Cutbanks cave	0.10		
Carbo		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
16D:							
Frederick	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.98	Gravel content	0.08
		Shrink-swell	1.00	Cutbanks cave	0.10		
Carbo		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
17C:							
Frederick	95	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.98	Slope	0.37
		Shrink-swell	1.00	Slope	0.37	Gravel content	0.08
		Frost action	0.50	Cutbanks cave	0.10		
Carbo		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
17D:							

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

Scott 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>17D:</b>							
Frederick	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.98	Gravel content	0.08
		Shrink-swell	1.00	Cutbanks cave	0.10		
Carbo		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
<b>18C:</b>							
Frederick	95	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.98	Slope	0.37
		Shrink-swell	1.00	Slope	0.37		
		Frost action	0.50	Cutbanks cave	0.10		
Carbo		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
<b>18D:</b>							
Frederick	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.98		
		Shrink-swell	1.00	Cutbanks cave	0.10		
Carbo		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
<b>19C:</b>							
Frederick	50	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.98	Slope	0.37
		Shrink-swell	1.00	Slope	0.37		
		Frost action	0.50	Cutbanks cave	0.10		
Carbo	40	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to hard bedrock	1.00	Depth to bedrock	0.54
		Shrink-swell	1.00	Too clayey	1.00	Slope	0.37
		Depth to hard bedrock	0.54	Slope	0.37	Droughty	0.06
Rock outcrop	5	Not Rated		Not Rated		Not Rated	
Beech Grove		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
<b>20D:</b>							

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

Scott 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>20D:</b>							
Gilpin	90	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.35	Depth to bedrock	0.35
		Low strength	0.22	Cutbanks cave	0.10		
Rock outcrop		Not Rated		Not Rated		Not Rated	
Shelocta		Not Rated		Not Rated		Not Rated	
Wallen		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
<b>21E:</b>							
Gilpin	65	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.35	Depth to bedrock	0.35
		Low strength	0.22	Cutbanks cave	0.10		
Shelocta	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00		
				Too clayey	0.88		
Holly		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
Oriskany		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Wallen		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
<b>21F:</b>							
Gilpin	60	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.35	Depth to bedrock	0.35
		Low strength	0.22	Cutbanks cave	0.10		
Shelocta	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00		
				Too clayey	0.88		
Rock outcrop	2	Not Rated		Not Rated		Not Rated	

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

Scott 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>21F:</b>							
Holly		Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
Oriskany		Not Rated		Not Rated		Not Rated	
Wallen		Not Rated		Not Rated		Not Rated	
Weikert		Not Rated		Not Rated		Not Rated	
<b>22A:</b>							
Gladehill	90	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10	Droughty	<0.01
Holly	1	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
Ebbing		Not Rated		Not Rated		Not Rated	
Ogles		Not Rated		Not Rated		Not Rated	
<b>23D:</b>							
Groseclose	80	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	1.00				
Carbo	15	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Low strength	1.00	Slope	1.00	Depth to bedrock	0.54
		Shrink-swell	1.00	Too clayey	1.00	Droughty	0.06
Beech Grove		Not Rated		Not Rated		Not Rated	
Berks		Not Rated		Not Rated		Not Rated	
Nicelytown		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
<b>24C:</b>							

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

Scott 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>24C:</b>							
Groseclose	80	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.63	Slope	0.63
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Slope	0.63				
Carbo	15	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to hard bedrock	1.00	Slope	0.63
		Shrink-swell	1.00	Too clayey	1.00	Depth to bedrock	0.54
		Slope	0.63	Slope	0.63	Droughty	0.06
Beech Grove		Not Rated		Not Rated		Not Rated	
Berks		Not Rated		Not Rated		Not Rated	
Nicelytown		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
<b>25A:</b>							
Holly	97	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
Chagrin		Not Rated		Not Rated		Not Rated	
Lobdell		Not Rated		Not Rated		Not Rated	
<b>26E:</b>							
Kaymine	90	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Gravel content	0.68
		Content of large stones	0.10	Content of large stones	0.10	Content of large stones	0.68
Holly	1	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Frost action	1.00	Ponding	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Flooding	0.80	Ponding	1.00
Acid coal waste		Not Rated		Not Rated		Not Rated	
<b>27C:</b>							
Lily	90	Somewhat limited		Very limited		Somewhat limited	
		Depth to hard bedrock	0.64	Depth to hard bedrock	1.00	Depth to bedrock	0.65
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10		

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

Scott 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
27C:							
Oriskany		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Wallen		Not Rated		Not Rated		Not Rated	
27D:							
Lily	90	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.64	Slope	1.00	Depth to bedrock	0.65
		Frost action	0.50	Cutbanks cave	0.10		
Oriskany		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Wallen		Not Rated		Not Rated		Not Rated	
27E:							
Lily	90	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.64	Slope	1.00	Depth to bedrock	0.65
		Frost action	0.50	Cutbanks cave	0.10		
Oriskany		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Wallen		Not Rated		Not Rated		Not Rated	
28A:							
Lobdell	65	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated zone	1.00	Flooding	0.60
		Flooding	1.00	Flooding	0.60	Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Cutbanks cave	0.10		
Orrville	30	Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Depth to saturated zone	1.00	Cutbanks cave	0.10		
Holly	1	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
Chagrin		Not Rated		Not Rated		Not Rated	

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

Scott 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>29A:</b>							
Maurertown	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Low strength	1.00	Cutbanks cave	0.10		
Ebbing		Not Rated		Not Rated		Not Rated	
Nicelytown		Not Rated		Not Rated		Not Rated	
<b>30A:</b>							
Mongle	90	Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Cutbanks cave	0.10		
		Flooding	0.40				
Maurertown	1	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Low strength	1.00	Cutbanks cave	0.10		
Gladehill		Not Rated		Not Rated		Not Rated	
Nicelytown		Not Rated		Not Rated		Not Rated	
<b>31B:</b>							
Nicelytown	90	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Depth to saturated zone	0.75	Cutbanks cave	0.10		
Maurertown	1	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Low strength	1.00	Cutbanks cave	0.10		
Berks		Not Rated		Not Rated		Not Rated	
Lobdell		Not Rated		Not Rated		Not Rated	
Shottower		Not Rated		Not Rated		Not Rated	
<b>31C:</b>							
Nicelytown	90	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Depth to saturated zone	0.75	Slope	0.63	Slope	0.63
		Slope	0.63	Cutbanks cave	0.10		

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

Scott 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>31C:</b>							
Berks		Not Rated		Not Rated		Not Rated	
Lobdell		Not Rated		Not Rated		Not Rated	
Oriskany		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
<b>32A:</b>							
Ogles	90	Very limited		Very limited		Very limited	
		Content of large stones	1.00	Content of large stones	1.00	Content of large stones	1.00
		Flooding	1.00	Cutbanks cave	1.00	Flooding	0.60
		Frost action	0.50	Flooding	0.60		
Holly	1	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
Gladehill		Not Rated		Not Rated		Not Rated	
Moderately well drained soils		Not Rated		Not Rated		Not Rated	
<b>33D:</b>							
Opequon	65	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	1.00	Slope	1.00	Droughty	1.00
		Slope	1.00	Cutbanks cave	0.10	Slope	1.00
Beech Grove	25	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	Droughty	1.00
		Frost action	0.50	Cutbanks cave	0.10	Slope	1.00
Rock outcrop	2	Not Rated		Not Rated		Not Rated	
Frederick		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Watahala		Not Rated		Not Rated		Not Rated	
<b>33E:</b>							
Opequon	55	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
		Shrink-swell	1.00	Cutbanks cave	0.10	Droughty	1.00

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

Scott 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>33E:</b>							
Beech Grove	40	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
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Rock outcrop	2	Not Rated		Not Rated		Not Rated	
Frederick		Not Rated		Not Rated		Not Rated	
Groseclose		Not Rated		Not Rated		Not Rated	
Watahala		Not Rated		Not Rated		Not Rated	
<b>34B:</b>							
Oriskany	95	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.92
		Content of large stones	0.01	Content of large stones	0.01	Droughty	0.39
						Gravel content	0.11
Nicelytown		Not Rated		Not Rated		Not Rated	
Ogles		Not Rated		Not Rated		Not Rated	
<b>34C:</b>							
Oriskany	75	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Content of large stones	0.92
		Frost action	0.50	Cutbanks cave	0.10	Slope	0.63
		Content of large stones	0.01	Content of large stones	0.01	Droughty	0.39
Nicelytown		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
<b>34D:</b>							
Oriskany	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.92
		Content of large stones	0.01	Content of large stones	0.01	Droughty	0.39
Berks		Not Rated		Not Rated		Not Rated	
Nicelytown		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	

34E:

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

Scott 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>34E:</b>							
Oriskany	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.92
		Content of large stones	0.01	Content of large stones	0.01	Droughty	0.39
Berks		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
<b>35E:</b>							
Oriskany	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Content of large stones	0.10	Content of large stones	1.00
		Content of large stones	0.10	Cutbanks cave	0.10	Droughty	0.17
Berks		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
Tumbling		Not Rated		Not Rated		Not Rated	
<b>36:</b>							
Quarry, limestone	95	Not Rated		Not Rated		Not Rated	
Carbo		Not Rated		Not Rated		Not Rated	
Udorthents		Not Rated		Not Rated		Not Rated	
Water		Not Rated		Not Rated		Not Rated	
<b>37F:</b>							
Ramsey	75	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
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Rock outcrop	15	Not Rated		Not Rated		Not Rated	
Gilpin		Not Rated		Not Rated		Not Rated	
Oriskany		Not Rated		Not Rated		Not Rated	
<b>38F:</b>							
Rock outcrop	45	Not Rated		Not Rated		Not Rated	

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

Scott 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>38F:</b>							
Beech Grove	25	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
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
Benthole	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Content of large stones	0.49	Droughty	0.18
		Content of large stones	0.49	Cutbanks cave	0.10	Gravel content	0.16
Carbo		Not Rated		Not Rated		Not Rated	
<b>39C:</b>							
Shottower	90	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Slope	0.63
		Slope	0.63	Slope	0.63		
		Shrink-swell	0.50				
Carbo		Not Rated		Not Rated		Not Rated	
Ebbing		Not Rated		Not Rated		Not Rated	
Nicelytown		Not Rated		Not Rated		Not Rated	
<b>40C:</b>							
Tumbling	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	Too clayey	0.03		
Bailegap		Not Rated		Not Rated		Not Rated	
Carbo		Not Rated		Not Rated		Not Rated	
Gilpin		Not Rated		Not Rated		Not Rated	
Nicelytown		Not Rated		Not Rated		Not Rated	
Oriskany		Not Rated		Not Rated		Not Rated	
<b>40D:</b>							
Tumbling	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		
Bailegap		Not Rated		Not Rated		Not Rated	
Carbo		Not Rated		Not Rated		Not Rated	

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

Scott 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
40D:							
Gilpin		Not Rated		Not Rated		Not Rated	
Nicelytown		Not Rated		Not Rated		Not Rated	
Oriskany		Not Rated		Not Rated		Not Rated	
40E:							
Tumbling	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		
Bailegap		Not Rated		Not Rated		Not Rated	
Carbo		Not Rated		Not Rated		Not Rated	
Gilpin		Not Rated		Not Rated		Not Rated	
Nicelytown		Not Rated		Not Rated		Not Rated	
Oriskany		Not Rated		Not Rated		Not Rated	
41E:							
Udorthents	50	Not Rated		Not Rated		Not Rated	
Urban land	40	Not Rated		Not Rated		Not Rated	
Holly	1	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
Frederick		Not Rated		Not Rated		Not Rated	
Moderately well drained soils		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
42D:							
Wallen	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	Gravel content	0.92
		Depth to hard bedrock	0.16	Cutbanks cave	1.00	Droughty	0.72
Bailegap		Not Rated		Not Rated		Not Rated	
Gilpin		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	

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

Scott 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
42D:							
Oriskany		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
42E:							
Wallen	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	Gravel content	0.92
		Depth to hard bedrock	0.16	Cutbanks cave	1.00	Droughty	0.72
Bailegap		Not Rated		Not Rated		Not Rated	
Gilpin		Not Rated		Not Rated		Not Rated	
Lily		Not Rated		Not Rated		Not Rated	
Oriskany		Not Rated		Not Rated		Not Rated	
Rock outcrop		Not Rated		Not Rated		Not Rated	
43C:							
Watahala	95	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Gravel content	0.92
		Slope	0.37	Too clayey	0.98	Slope	0.37
				Slope	0.37		
Carbo		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
43D:							
Watahala	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00	Gravel content	0.92
				Too clayey	0.98		
Carbo		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
43E:							
Watahala	95	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00	Gravel content	0.92
				Too clayey	0.98		

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

Scott 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>43E:</b>							
Carbo		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
<b>43F:</b>							
Watahala	90	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave Too clayey	1.00 1.00 0.98	Very limited Slope Gravel content	1.00 0.92
Carbo		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
Opequon		Not Rated		Not Rated		Not Rated	
<b>44E:</b>							
Watahala	60	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave Too clayey	1.00 1.00 0.98	Very limited Slope Gravel content	1.00 0.92
Opequon	35	Very limited Depth to hard bedrock Slope Shrink-swell	1.00 1.00 1.00	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty	1.00 1.00 1.00
Rock outcrop	2	Not Rated		Not Rated		Not Rated	
Beech Grove		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
<b>44F:</b>							
Watahala	70	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave Too clayey	1.00 1.00 0.98	Very limited Slope Gravel content	1.00 0.92
Opequon	25	Very limited Depth to hard bedrock Slope Shrink-swell	1.00 1.00 1.00	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty	1.00 1.00 1.00
Rock outcrop	2	Not Rated		Not Rated		Not Rated	
Beech Grove		Not Rated		Not Rated		Not Rated	

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

Scott 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
44F:							
Marbie		Not Rated		Not Rated		Not Rated	
45C:							
Watahala	65	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Gravel content	0.92
		Slope	0.37	Too clayey	0.98	Slope	0.37
				Slope	0.37		
Opequon	30	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Shrink-swell	1.00	Slope	0.37	Droughty	1.00
		Low strength	1.00	Cutbanks cave	0.10	Slope	0.37
Rock outcrop	2	Not Rated		Not Rated		Not Rated	
Beech Grove		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
45D:							
Watahala	70	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00	Gravel content	0.92
				Too clayey	0.98		
Opequon	25	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
		Shrink-swell	1.00	Cutbanks cave	0.10	Droughty	1.00
Rock outcrop	2	Not Rated		Not Rated		Not Rated	
Beech Grove		Not Rated		Not Rated		Not Rated	
Marbie		Not Rated		Not Rated		Not Rated	
47C:							
Wyrick	55	Somewhat limited		Somewhat limited		Somewhat limited	
		Low strength	0.78	Slope	0.37	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.10		
		Slope	0.37				
Marbie	40	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to thick cemented pan	1.00	Slope	0.37
		Shrink-swell	0.50	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Slope	0.37	Depth to saturated zone	1.00	Depth to cemented pan	0.06
				Slope	0.37		

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

Scott 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
47C:							
Holly	1	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Flooding	1.00	Flooding	0.60	Flooding	0.60
Chagrin		Not Rated		Not Rated		Not Rated	
Moderately deep soils		Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	