

Table ENG-4. - Building Site Development

Shenandoah 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
1B:							
Alonzo	75	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
1C:							
Alonzo	85	Somewhat limited Frost action Slope	0.50 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope 0.37	
2B:							
Berks	80	Somewhat limited Depth to hard bedrock	0.03	Very limited Depth to hard bedrock Cutbanks cave	1.00 0.10	Somewhat limited Droughty 0.65 Content of large stones 0.32 Depth to bedrock 0.03	
3C:							
Berks	55	Somewhat limited Slope Depth to hard bedrock	0.37 0.03	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 0.37 0.10	Somewhat limited Droughty 0.65 Slope 0.37 Content of large stones 0.32	
Weikert	35	Very limited Depth to hard bedrock Frost action Slope	1.00 0.50 0.37	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 0.37 0.10	Very limited Depth to bedrock 1.00 Droughty 1.00 Slope 0.37	
4B:							
Blairton	75	Very limited Frost action Depth to saturated zone Depth to hard bedrock	1.00 0.48 0.35	Very limited Depth to hard bedrock Depth to saturated zone Cutbanks cave	1.00 1.00 0.10	Somewhat limited Depth to saturated zone 0.48 Depth to bedrock 0.35 Droughty 0.01	
4C:							
Blairton	75	Very limited Frost action Depth to saturated zone Slope	1.00 0.48 0.37	Very limited Depth to hard bedrock Depth to saturated zone Slope	1.00 1.00 0.37	Somewhat limited Depth to saturated zone 0.48 Slope 0.37 Depth to bedrock 0.35	
5B:							
Braddock	75	Somewhat limited Shrink-swell Frost action	0.50 0.50	Very limited Cutbanks cave	1.00	Not limited	

5C:

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
5C:							
Braddock	75	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.50	Cutbanks cave	1.00	Slope	0.37
		Frost action	0.50	Slope	0.37		
		Slope	0.37				
6B:							
Braddock	75	Somewhat limited		Very limited		Very limited	
		Content of large stones	0.60	Cutbanks cave	1.00	Content of large stones	1.00
		Shrink-swell	0.50	Content of large stones	0.60	Gravel content	0.03
		Frost action	0.50				
6C:							
Braddock	75	Somewhat limited		Very limited		Very limited	
		Content of large stones	0.60	Cutbanks cave	1.00	Content of large stones	1.00
		Shrink-swell	0.50	Content of large stones	0.60	Slope	0.37
		Frost action	0.50	Slope	0.37	Gravel content	0.03
6D:							
Braddock	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	0.60	Cutbanks cave	1.00	Content of large stones	1.00
		Shrink-swell	0.50	Content of large stones	0.60	Gravel content	0.03
		Frost action	0.50				
7A:							
Broadway	80	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Cutbanks cave	1.00	Flooding	0.60
		Low strength	1.00	Flooding	0.60		
		Frost action	0.50				
8B:							
Carbo	75	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to hard bedrock	1.00	Depth to bedrock	0.03
		Shrink-swell	1.00	Too clayey	1.00		
		Frost action	0.50	Cutbanks cave	0.10		
8C:							
Carbo	75	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to hard bedrock	1.00	Slope	0.37
		Shrink-swell	1.00	Too clayey	1.00	Depth to bedrock	0.03
		Frost action	0.50	Slope	0.37		
9C:							
Carbo	50	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to hard bedrock	1.00	Slope	0.04
		Shrink-swell	1.00	Too clayey	1.00	Depth to bedrock	0.03
		Frost action	0.50	Cutbanks cave	0.10		

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
9C:							
Endcav	40	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.97	Slope	0.04
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Slope	0.04		
9D:							
Carbo	50	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	0.03
		Shrink-swell	1.00	Too clayey	1.00		
Endcav	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.97		
		Shrink-swell	1.00	Cutbanks cave	0.10		
10A:							
Caverns	75	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
		Flooding	0.40				
11B:							
Chilhowie	85	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Depth to hard bedrock	1.00	Droughty	0.21
		Frost action	0.50	Too clayey	1.00	Depth to bedrock	0.10
		Depth to hard bedrock	0.10	Cutbanks cave	0.10	Content of large stones	<0.01
11C:							
Chilhowie	85	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Depth to hard bedrock	1.00	Slope	0.37
		Frost action	0.50	Too clayey	1.00	Droughty	0.21
		Slope	0.37	Slope	0.37	Depth to bedrock	0.10
11D:							
Chilhowie	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Shrink-swell	1.00	Slope	1.00	Droughty	0.21
		Frost action	0.50	Too clayey	1.00	Depth to bedrock	0.10
11E:							
Chilhowie	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Shrink-swell	1.00	Slope	1.00	Droughty	0.21
		Frost action	0.50	Too clayey	1.00	Depth to bedrock	0.10
12C:							

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
12C:							
Chilhowie	80	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Depth to hard bedrock	1.00	Slope	0.37
		Frost action	0.50	Too clayey	1.00	Droughty	0.21
		Slope	0.37	Slope	0.37	Depth to bedrock	0.10
12D:							
Chilhowie	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Shrink-swell	1.00	Slope	1.00	Droughty	0.21
		Frost action	0.50	Too clayey	1.00	Depth to bedrock	0.10
13C:							
Chilhowie	80	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Depth to hard bedrock	1.00	Slope	0.37
		Frost action	0.50	Too clayey	1.00	Droughty	0.21
		Slope	0.37	Slope	0.37	Depth to bedrock	0.10
13D:							
Chilhowie	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Shrink-swell	1.00	Slope	1.00	Droughty	0.21
		Frost action	0.50	Too clayey	1.00	Depth to bedrock	0.10
13E:							
Chilhowie	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Shrink-swell	1.00	Slope	1.00	Droughty	0.21
		Frost action	0.50	Too clayey	1.00	Depth to bedrock	0.10
14B:							
Coursey	80	Very limited		Very limited		Not limited	
		Frost action	1.00	Depth to saturated zone	1.00		
		Low strength	0.22	Cutbanks cave	0.10		
Purdy	5	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	Cutbanks cave	0.10		
		Low strength	1.00	Too clayey	0.03		
14C:							
Coursey	80	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated zone	1.00	Slope	0.37
		Slope	0.37	Slope	0.37		
		Low strength	0.22	Cutbanks cave	0.10		

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
14C:							
Purdy	5	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	Cutbanks cave	0.10		
		Low strength	1.00	Too clayey	0.03		
15A:							
Derroc	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Cutbanks cave	1.00	Flooding	1.00
		Content of large stones	0.82	Content of large stones	0.82	Content of large stones	0.99
		Frost action	0.50	Flooding	0.80	Droughty	0.25
16B:							
Edom	90	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
16C:							
Edom	90	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	0.50	Too clayey	0.28		
		Frost action	0.50	Cutbanks cave	0.10		
17B:							
Endcav	90	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.97		
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Depth to hard bedrock	0.01		
17C:							
Endcav	75	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.97	Slope	0.37
		Shrink-swell	1.00	Slope	0.37		
		Frost action	0.50	Cutbanks cave	0.10		
17D:							
Endcav	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.97		
		Shrink-swell	1.00	Cutbanks cave	0.10		
18B:							
Endcav	80	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.97		
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Depth to hard bedrock	0.01		
18C:							

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
18C:							
Endcav	80	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.97	Slope	0.37
		Shrink-swell	1.00	Slope	0.37		
		Frost action	0.50	Cutbanks cave	0.10		
19D:							
Frederick	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	1.00	Gravel content	0.04
		Shrink-swell	1.00	Cutbanks cave	0.10	Content of large stones	<0.01
20B:							
Frederick	45	Very limited		Very limited		Not limited	
		Low strength	1.00	Too clayey	1.00		
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
Poplimento	30	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Too clayey	0.28		
		Frost action	0.50	Cutbanks cave	0.10		
20C:							
Frederick	45	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Too clayey	1.00	Slope	0.37
		Shrink-swell	1.00	Slope	0.37		
		Frost action	0.50	Cutbanks cave	0.10		
Poplimento	30	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Too clayey	0.28		
		Slope	0.37	Cutbanks cave	0.10		
20D:							
Frederick	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	1.00		
		Shrink-swell	1.00	Cutbanks cave	0.10		
Poplimento	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	0.28		
		Frost action	0.50	Cutbanks cave	0.10		
21B:							
Frederick	45	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Too clayey	1.00	Gravel content	0.04
		Shrink-swell	1.00	Cutbanks cave	0.10	Content of large stones	<0.01
		Frost action	0.50				

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
21B:							
Poplimento	30	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Too clayey	0.28		
		Frost action	0.50	Cutbanks cave	0.10		
21C:							
Frederick	45	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Too clayey	1.00	Slope	0.37
		Shrink-swell	1.00	Slope	0.37	Gravel content	0.04
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	<0.01
Poplimento	30	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Too clayey	0.28		
		Slope	0.37	Cutbanks cave	0.10		
21D:							
Frederick	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	1.00	Gravel content	0.04
		Shrink-swell	1.00	Cutbanks cave	0.10	Content of large stones	<0.01
Poplimento	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	0.28		
		Frost action	0.50	Cutbanks cave	0.10		
21E:							
Frederick	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	1.00	Gravel content	0.04
		Shrink-swell	1.00	Cutbanks cave	0.10	Content of large stones	<0.01
Poplimento	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	0.28		
		Frost action	0.50	Cutbanks cave	0.10		
22B:							
Frederick	45	Very limited		Very limited		Not limited	
		Low strength	1.00	Too clayey	1.00		
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
Poplimento	30	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Too clayey	0.28		
		Frost action	0.50	Cutbanks cave	0.10		

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
22C:							
Frederick	45	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Too clayey	1.00	Slope	0.37
		Shrink-swell	1.00	Slope	0.37		
		Frost action	0.50	Cutbanks cave	0.10		
Poplimento	30	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Too clayey	0.28		
		Slope	0.37	Cutbanks cave	0.10		
22D:							
Frederick	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	1.00		
		Shrink-swell	1.00	Cutbanks cave	0.10		
Poplimento	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	0.28		
		Frost action	0.50	Cutbanks cave	0.10		
23C:							
Frederick	45	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Too clayey	1.00	Slope	0.04
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Slope	0.04		
Poplimento	30	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Too clayey	0.28	Slope	0.04
		Frost action	0.50	Cutbanks cave	0.10		
		Slope	0.04	Slope	0.04		
23D:							
Frederick	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	1.00		
		Shrink-swell	1.00	Cutbanks cave	0.10		
Poplimento	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	0.28		
		Frost action	0.50	Cutbanks cave	0.10		
24B:							
Gainesboro	45	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	Cutbanks cave	0.10	Droughty	0.20
						Gravel content	0.05

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
24B:							
Berks	40	Somewhat limited		Very limited		Somewhat limited	
		Depth to hard bedrock	0.03	Depth to hard bedrock	1.00	Droughty	0.65
				Cutbanks cave	0.10	Content of large stones	0.32
						Depth to bedrock	0.03
24C:							
Gainesboro	45	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	Droughty	0.20
Berks	40	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.37	Depth to hard bedrock	1.00	Droughty	0.65
		Depth to hard bedrock	0.03	Slope	0.37	Slope	0.37
				Cutbanks cave	0.10	Content of large stones	0.32
24D:							
Gainesboro	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	Depth to bedrock	0.46
		Depth to hard bedrock	0.46	Cutbanks cave	0.10	Droughty	0.20
Berks	40	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.03	Slope	1.00	Droughty	0.65
				Cutbanks cave	0.10	Content of large stones	0.32
24E:							
Gainesboro	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	Depth to bedrock	0.46
		Depth to hard bedrock	0.46	Cutbanks cave	0.10	Droughty	0.20
Berks	40	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.03	Slope	1.00	Droughty	0.65
				Cutbanks cave	0.10	Content of large stones	0.32
25B:							
Gilpin	80	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.79	Depth to bedrock	0.80
				Cutbanks cave	0.10	Droughty	0.45
						Gravel content	0.05
25C:							

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
25C:							
Gilpin	80	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.79	Depth to bedrock	0.80
		Slope	0.37	Slope	0.37	Droughty	0.45
				Cutbanks cave	0.10	Slope	0.37
25D:							
Gilpin	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.79	Depth to bedrock	0.80
				Cutbanks cave	0.10	Droughty	0.45
26C:							
Gilpin	80	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.79	Depth to bedrock	0.80
		Slope	0.04	Cutbanks cave	0.10	Droughty	0.45
				Slope	0.04	Gravel content	0.05
26D:							
Gilpin	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.79	Depth to bedrock	0.80
				Cutbanks cave	0.10	Droughty	0.45
27C:							
Gilpin	80	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.79	Depth to bedrock	0.80
		Slope	0.37	Slope	0.37	Droughty	0.45
				Cutbanks cave	0.10	Slope	0.37
27D:							
Gilpin	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.79	Depth to bedrock	0.80
				Cutbanks cave	0.10	Droughty	0.45
27E:							
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	0.79	Depth to bedrock	0.80
				Cutbanks cave	0.10	Droughty	0.45
28C:							
Gilpin	80	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.79	Depth to bedrock	0.80
		Slope	0.04	Cutbanks cave	0.10	Droughty	0.45
				Slope	0.04	Gravel content	0.05
28D:							

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
28D:							
Gilpin	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.79	Depth to bedrock	0.80
				Cutbanks cave	0.10	Droughty	0.45
28E:							
Gilpin	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.79	Depth to bedrock	0.80
				Cutbanks cave	0.10	Droughty	0.45
29A:							
Gladehill	80	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10		
30A:							
Guyan	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	Cutbanks cave	0.10		
		Depth to saturated zone	1.00				
Purdy	5	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	Cutbanks cave	0.10		
		Low strength	1.00	Too clayey	0.03		
31B:							
Jefferson	75	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
31C:							
Jefferson	75	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.37	Cutbanks cave	1.00	Slope	0.37
				Slope	0.37		
32C:							
Jefferson	75	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.04	Cutbanks cave	1.00	Slope	0.04
				Slope	0.04		
32D:							
Jefferson	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	1.00		
33C:							

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
33C:							
Jefferson	75	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Slope	0.16
		Slope	0.16	Slope	0.16		
33D:							
Jefferson	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00		
33E:							
Jefferson	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00		
34B:							
Laidig	75	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Depth to thick cemented pan	1.00	Depth to cemented pan	0.46
		Depth to thick cemented pan	0.46	Depth to saturated zone	0.90	Droughty	0.20
				Cutbanks cave	0.10	Content of large stones	0.08
34C:							
Laidig	75	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Depth to thick cemented pan	1.00	Depth to cemented pan	0.46
		Depth to thick cemented pan	0.46	Depth to saturated zone	0.90	Slope	0.37
		Slope	0.37	Slope	0.37	Droughty	0.20
35C:							
Laidig	75	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Depth to thick cemented pan	1.00	Depth to cemented pan	0.46
		Depth to thick cemented pan	0.46	Depth to saturated zone	0.90	Droughty	0.20
		Slope	0.04	Cutbanks cave	0.10	Content of large stones	0.08
35D:							
Laidig	75	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to thick cemented pan	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00	Depth to cemented pan	0.46
		Depth to thick cemented pan	0.46	Depth to saturated zone	0.90	Droughty	0.20
36B:							

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
36B:							
Laidig	75	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Depth to thick cemented pan	1.00	Depth to cemented pan	0.46
		Depth to thick cemented pan	0.46	Depth to saturated zone	0.90	Droughty	0.20
				Cutbanks cave	0.10	Content of large stones	0.08
36C:							
Laidig	75	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Depth to thick cemented pan	1.00	Depth to cemented pan	0.46
		Depth to thick cemented pan	0.46	Depth to saturated zone	0.90	Slope	0.37
		Slope	0.37	Slope	0.37	Droughty	0.20
37C:							
Laidig	85	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Depth to thick cemented pan	1.00	Depth to cemented pan	0.46
		Depth to thick cemented pan	0.46	Depth to saturated zone	0.90	Droughty	0.20
		Slope	0.04	Cutbanks cave	0.10	Content of large stones	0.08
37D:							
Laidig	90	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to thick cemented pan	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00	Depth to cemented pan	0.46
		Depth to thick cemented pan	0.46	Depth to saturated zone	0.90	Droughty	0.20
37E:							
Laidig	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to thick cemented pan	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00	Depth to cemented pan	0.46
		Depth to thick cemented pan	0.46	Depth to saturated zone	0.90	Droughty	0.20
38B:							
Lehew	45	Somewhat limited		Very limited		Very limited	
		Depth to hard bedrock	0.90	Depth to hard bedrock	1.00	Droughty	1.00
				Cutbanks cave	0.10	Depth to bedrock	0.90
						Content of large stones	0.32
Gainesboro							
	30	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	Cutbanks cave	0.10	Droughty	0.20
						Gravel content	0.05

38C:

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
38C:							
Lehew	45	Somewhat limited		Very limited		Very limited	
		Depth to hard bedrock	0.90	Depth to hard bedrock	1.00	Droughty	1.00
		Slope	0.37	Slope	0.37	Depth to bedrock	0.90
				Cutbanks cave	0.10	Slope	0.37
Gainesboro	30	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	Droughty	0.20
38D:							
Lehew	45	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.90	Slope	1.00	Droughty	1.00
				Cutbanks cave	0.10	Depth to bedrock	0.90
Gainesboro	30	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	0.20
38E:							
Lehew	45	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.90	Slope	1.00	Droughty	1.00
				Cutbanks cave	0.10	Depth to bedrock	0.90
Gainesboro	30	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	0.20
39A:							
Massanetta	90	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Depth to saturated zone	0.99	Flooding	0.60
		Frost action	0.50	Flooding	0.60		
				Cutbanks cave	0.10		
40D:							
Massanutten	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.90	Slope	1.00	Depth to bedrock	0.90
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.18
40E:							

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
40E:							
Massanutten	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.90	Slope	1.00	Depth to bedrock	0.90
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.18
41D:							
Massanutten	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.90	Slope	1.00	Depth to bedrock	0.90
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.18
41E:							
Massanutten	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.90	Slope	1.00	Depth to bedrock	0.90
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.18
42A:							
Maurertown	80	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	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
43B:							
Moomaw	80	Somewhat limited		Very limited		Very limited	
		Frost action	0.50	Depth to saturated zone	1.00	Depth to cemented pan	1.00
		Depth to saturated zone	0.03	Cutbanks cave	0.10	Droughty	0.42
						Depth to saturated zone	0.03
43C:							
Moomaw	80	Somewhat limited		Very limited		Very limited	
		Frost action	0.50	Depth to saturated zone	1.00	Depth to cemented pan	1.00
		Slope	0.37	Slope	0.37	Droughty	0.42
		Depth to saturated zone	0.03	Cutbanks cave	0.10	Slope	0.37
44B:							
Moomaw	80	Somewhat limited		Very limited		Very limited	
		Frost action	0.50	Depth to saturated zone	1.00	Depth to cemented pan	1.00
		Depth to saturated zone	0.03	Cutbanks cave	0.10	Droughty	0.61
						Content of large stones	0.32
44C:							

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
44C:							
Moomaw	80	Somewhat limited		Very limited		Very limited	
		Frost action	0.50	Depth to saturated zone	1.00	Depth to cemented pan	1.00
		Slope	0.37	Slope	0.37	Droughty	0.61
		Depth to saturated zone	0.03	Cutbanks cave	0.10	Slope	0.37
45A:							
Newmarc	85	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		
46A:							
Nomberville	80	Very limited		Very limited		Not limited	
		Frost action	1.00	Cutbanks cave	1.00		
		Low strength	0.78				
		Flooding	0.40				
47C:							
Opequon	80	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Low strength	1.00	Too clayey	0.88	Droughty	0.50
		Depth to hard bedrock	1.00	Cutbanks cave	0.10	Slope	0.04
48C:							
Opequon	80	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Low strength	1.00	Too clayey	0.88	Droughty	0.50
		Depth to hard bedrock	1.00	Cutbanks cave	0.10	Slope	0.04
48D:							
Opequon	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Shrink-swell	1.00	Slope	1.00	Depth to bedrock	1.00
		Low strength	1.00	Too clayey	0.88	Droughty	0.50
49:							
Pits	100	Not Rated		Not Rated		Not Rated	
50A:							
Purdy	80	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	Cutbanks cave	0.10		
		Low strength	1.00	Too clayey	0.03		
51D:							
Rock outcrop	55	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
51D:							
Carbo	35	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to hard bedrock	1.00	Slope	0.96
		Shrink-swell	1.00	Too clayey	1.00	Depth to bedrock	0.03
		Slope	0.96	Slope	0.96		
52F:							
Rock outcrop	50	Not Rated		Not Rated		Not Rated	
Drall	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Cutbanks cave	1.00	Gravel content	0.94
				Depth to hard bedrock	0.96	Content of large stones	0.46
Wallen	15	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Content of large stones	0.29	Slope	1.00	Droughty	0.80
		Depth to hard bedrock	0.10	Content of large stones	0.29	Gravel content	0.31
53C:							
Sequoia	75	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.88	Slope	0.04
		Shrink-swell	0.50	Cutbanks cave	0.10	Depth to bedrock	0.01
		Slope	0.04	Slope	0.04		
53D:							
Sequoia	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.88	Depth to bedrock	0.01
		Shrink-swell	0.50	Cutbanks cave	0.10		
53E:							
Sequoia	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.88	Depth to bedrock	0.01
		Shrink-swell	0.50	Cutbanks cave	0.10		
54B:							
Timberville	80	Very limited		Very limited		Very limited	
		Flooding	1.00	Cutbanks cave	1.00	Flooding	1.00
		Low strength	1.00	Flooding	0.80		
		Shrink-swell	0.50	Too clayey	0.28		
55A:							

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
55A:							
Toms	75	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	Too clayey	0.28		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Maurertown	5	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	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
56B:							
Trappist	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Depth to hard bedrock	1.00		
		Shrink-swell	0.50	Too clayey	0.13		
		Frost action	0.50	Cutbanks cave	0.10		
56C:							
Trappist	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Depth to hard bedrock	1.00	Slope	0.37
		Shrink-swell	0.50	Slope	0.37		
		Frost action	0.50	Too clayey	0.13		
57:							
Udorthents	80	Not Rated		Not Rated		Not Rated	
58:							
Udorthents	55	Not Rated		Not Rated		Not Rated	
Urban land	30	Not Rated		Not Rated		Not Rated	
59B:							
Unison	90	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.50		
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
59C:							
Unison	90	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.50	Slope	0.37
		Shrink-swell	0.50	Slope	0.37		
		Frost action	0.50	Cutbanks cave	0.10		
60B:							
Unison	90	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.50	Gravel content	0.05
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
60C:							
Unison	90	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.50	Slope	0.37
		Shrink-swell	0.50	Slope	0.37	Gravel content	0.05
		Frost action	0.50	Cutbanks cave	0.10		
61B:							
Unison	90	Very limited		Somewhat limited		Very limited	
		Low strength	1.00	Too clayey	0.50	Content of large stones	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
61C:							
Unison	90	Very limited		Somewhat limited		Very limited	
		Low strength	1.00	Too clayey	0.50	Content of large stones	1.00
		Shrink-swell	0.50	Slope	0.37		
		Frost action	0.50	Cutbanks cave	0.10	Slope	0.37
62C:							
Wallen	75	Somewhat limited		Very limited		Somewhat limited	
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Droughty	0.96
		Slope	0.37	Slope	0.37	Depth to bedrock	0.46
		Content of large stones	0.24	Content of large stones	0.24	Slope	0.37
62D:							
Wallen	75	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	Droughty	0.96
		Content of large stones	0.24	Content of large stones	0.24	Depth to bedrock	0.46
63C:							
Wallen	80	Somewhat limited		Very limited		Somewhat limited	
		Content of large stones	0.29	Depth to hard bedrock	1.00	Droughty	0.80
		Depth to hard bedrock	0.10	Content of large stones	0.29	Gravel content	0.31
		Slope	0.04	Cutbanks cave	0.10	Content of large stones	0.20
63D:							
Wallen	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Content of large stones	0.29	Slope	1.00	Droughty	0.80
		Depth to hard bedrock	0.10	Content of large stones	0.29	Gravel content	0.31
63E:							

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
63E:							
Wallen	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Content of large stones	0.29	Slope	1.00	Droughty	0.80
		Depth to hard bedrock	0.10	Content of large stones	0.29	Gravel content	0.31
64D:							
Wallen	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Content of large stones	0.29	Slope	1.00	Droughty	0.80
		Depth to hard bedrock	0.10	Content of large stones	0.29	Gravel content	0.31
64E:							
Wallen	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Content of large stones	0.29	Slope	1.00	Droughty	0.80
		Depth to hard bedrock	0.10	Content of large stones	0.29	Gravel content	0.31
64F:							
Wallen	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Content of large stones	0.29	Slope	1.00	Droughty	0.80
		Depth to hard bedrock	0.10	Content of large stones	0.29	Gravel content	0.31
65C:							
Wallen	45	Somewhat limited		Very limited		Somewhat limited	
		Content of large stones	0.29	Depth to hard bedrock	1.00	Droughty	0.80
		Depth to hard bedrock	0.10	Content of large stones	0.29	Gravel content	0.31
		Slope	0.04	stones		Content of large stones	0.20
				Cutbanks cave	0.10		
Lehew	35	Somewhat limited		Very limited		Very limited	
		Depth to hard bedrock	0.90	Depth to hard bedrock	1.00	Droughty	1.00
		Slope	0.04	Cutbanks cave	0.10	Depth to bedrock	0.90
				Slope	0.04	Content of large stones	0.32
65D:							
Wallen	45	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Content of large stones	0.29	Slope	1.00	Droughty	0.80
		Depth to hard bedrock	0.10	Content of large stones	0.29	Gravel content	0.31

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
65D:							
Lehew	35	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.90	Slope	1.00	Droughty	1.00
				Cutbanks cave	0.10	Depth to bedrock	0.90
65E:							
Wallen	45	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Content of large stones	0.29	Slope	1.00	Droughty	0.80
		Depth to hard bedrock	0.10	Content of large stones	0.29	Gravel content	0.31
Lehew	35	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.90	Slope	1.00	Droughty	1.00
				Cutbanks cave	0.10	Depth to bedrock	0.90
66E:							
Wallen	45	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Content of large stones	0.29	Slope	1.00	Droughty	0.80
		Depth to hard bedrock	0.10	Content of large stones	0.29	Gravel content	0.31
Lehew	35	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.90	Slope	1.00	Droughty	1.00
				Cutbanks cave	0.10	Depth to bedrock	0.90
66F:							
Wallen	45	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Content of large stones	0.29	Slope	1.00	Droughty	0.80
		Depth to hard bedrock	0.10	Content of large stones	0.29	Gravel content	0.31
Lehew	35	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.90	Slope	1.00	Droughty	1.00
				Cutbanks cave	0.10	Depth to bedrock	0.90
67F:							
Weikert	80	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
68D:							

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
68D:							
Weikert	50	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
Berks	40	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.03	Slope	1.00	Droughty	0.65
				Cutbanks cave	0.10	Content of large stones	0.32
68E:							
Weikert	50	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
Berks	40	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.03	Slope	1.00	Droughty	0.65
				Cutbanks cave	0.10	Content of large stones	0.32
69D:							
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
Berks	35	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.03	Slope	1.00	Droughty	0.65
				Cutbanks cave	0.10	Content of large stones	0.32
69F:							
Weikert	50	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
Berks	40	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.03	Slope	1.00	Droughty	0.65
				Cutbanks cave	0.10	Content of large stones	0.32

70B:

Table ENG-4. - Building Site Development - Continued

Shenandoah 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
70B: Wolfgap	75	Somewhat limited Frost action Flooding	0.50 0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
71D: Zepp	75	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Gravel content Content of large stones	1.00 0.92 0.54
71E: Zepp	75	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Gravel content Content of large stones	1.00 0.92 0.54
72E: Zepp	80	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Gravel content Content of large stones	1.00 0.92 0.54
W: Water	100	Not Rated		Not Rated		Not Rated	