

## Table ENG-4. - Building Site Development

Montgomery 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>1C:</b>							
Berks	50	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.37	Depth to hard bedrock	1.00	Gravel content	0.92
		Depth to hard bedrock	0.20	Slope	0.37	Droughty	0.84
				Cutbanks cave	0.10	Slope	0.37
Clymer	30	Somewhat limited		Somewhat limited		Somewhat limited	
		Low strength	0.78	Depth to hard bedrock	0.57	Slope	0.37
		Frost action	0.50	Slope	0.37		
		Slope	0.37	Cutbanks cave	0.10		
<b>2B:</b>							
Berks	40	Somewhat limited		Very limited		Somewhat limited	
		Depth to hard bedrock	0.20	Depth to hard bedrock	1.00	Gravel content	0.92
				Cutbanks cave	0.10	Droughty	0.84
						Depth to bedrock	0.21
Groseclose	35	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
<b>2C:</b>							
Berks	40	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.37	Depth to hard bedrock	1.00	Gravel content	0.92
		Depth to hard bedrock	0.20	Slope	0.37	Droughty	0.84
				Cutbanks cave	0.10	Slope	0.37
Groseclose	35	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Slope	0.37	Slope	0.37
		Low strength	1.00	Too clayey	0.28		
		Frost action	0.50	Cutbanks cave	0.10		
<b>3D:</b>							
Berks	35	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.20	Slope	1.00	Gravel content	0.92
				Cutbanks cave	0.10	Droughty	0.84
Lowell	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.50		
		Shrink-swell	0.94	Depth to hard bedrock	0.42		

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

Montgomery 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>3D:</b>							
Rayne	20	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
		Shrink-swell	0.06				
<b>3E:</b>							
Berks	35	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.20	Slope	1.00	Gravel content	0.92
				Cutbanks cave	0.10	Droughty	0.84
Lowell	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.50		
		Shrink-swell	0.94	Depth to hard bedrock	0.42		
Rayne	20	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
		Shrink-swell	0.06				
<b>4E:</b>							
Berks	50	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.20	Slope	1.00	Gravel content	0.92
				Cutbanks cave	0.10	Droughty	0.84
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
<b>5D:</b>							
Berks	50	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.20	Slope	1.00	Gravel content	0.92
				Cutbanks cave	0.10	Droughty	0.84
Weikert	30	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
<b>6E:</b>							
Berks	50	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.20	Slope	1.00	Gravel content	0.92
				Cutbanks cave	0.10	Droughty	0.84

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

Montgomery 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>6E:</b>							
Weikert	25	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
<b>7D:</b>							
Berks	50	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.20	Slope	1.00	Gravel content	0.92
				Cutbanks cave	0.10	Droughty	0.84
Weikert	25	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
<b>8D:</b>							
Caneyville	30	Very limited		Very limited		Very limited	
		Low strength	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Depth to bedrock	0.46
		Shrink-swell	0.94	Too clayey	0.32		
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
		Low strength	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Cutbanks cave	0.10	Droughty	0.95
Rock outcrop	20	Not Rated		Not Rated		Not Rated	
<b>8E:</b>							
Caneyville	30	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	0.46
		Shrink-swell	0.94	Too clayey	0.32		
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
		Low strength	1.00	Cutbanks cave	0.10	Droughty	0.95
Rock outcrop	20	Not Rated		Not Rated		Not Rated	
<b>9C:</b>							
Carbo	40	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to hard bedrock	1.00	Depth to bedrock	0.46
		Shrink-swell	1.00	Too clayey	1.00	Slope	0.37
		Frost action	0.50	Slope	0.37		

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

Montgomery 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:							
Chilhowie	35	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to hard bedrock	1.00	Too clayey	1.00
		Low strength	0.78	Too clayey	1.00	Droughty	0.82
		Frost action	0.50	Slope	0.37	Depth to bedrock	0.46
9D:							
Carbo	40	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	0.46
		Shrink-swell	1.00	Too clayey	1.00		
Chilhowie	35	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	Too clayey	1.00
		Low strength	0.78	Too clayey	1.00	Droughty	0.82
10:							
Craigsville	85	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.80	Flooding	1.00
		Content of large stones	0.76	Content of large stones	0.76	Content of large stones	0.68
		Frost action	0.50	Cutbanks cave	0.10		
Purdy	3	Not Rated		Not Rated		Not Rated	
11B:							
Duffield	45	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.13		
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Ernest	35	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.03
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.01
		Shrink-swell	0.06				
Purdy	2	Not Rated		Not Rated		Not Rated	
11C:							
Duffield	45	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	0.50	Too clayey	0.13		
		Frost action	0.50	Cutbanks cave	0.10		
Ernest	35	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Slope	0.37
		Frost action	0.50	Slope	0.37	Depth to saturated zone	0.03
		Slope	0.37	Cutbanks cave	0.10	Droughty	0.01

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

Montgomery 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
11C:							
Purdy	2	Not Rated		Not Rated		Not Rated	
12B:							
Frederick	40	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				
Vertrees	35	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.50		
		Shrink-swell	0.94	Cutbanks cave	0.10		
12C:							
Frederick	40	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		
Vertrees	35	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.50	Slope	0.37
		Shrink-swell	0.94	Slope	0.37		
		Slope	0.37	Cutbanks cave	0.10		
13B:							
Frederick	40	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Too clayey	1.00	Gravel content	0.08
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
Vertrees	35	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.50	Gravel content	0.08
		Shrink-swell	0.94	Cutbanks cave	0.10		
13C:							
Frederick	40	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	0.08
		Frost action	0.50	Cutbanks cave	0.10		
Vertrees	35	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.50	Slope	0.37
		Shrink-swell	0.94	Slope	0.37	Gravel content	0.08
		Slope	0.37	Cutbanks cave	0.10		
13D:							
Frederick	40	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	0.08
		Shrink-swell	1.00	Cutbanks cave	0.10		

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

Montgomery 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
13D:							
Vertrees	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.50	Gravel content	0.08
		Shrink-swell	0.94	Cutbanks cave	0.10		
14:							
French	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	0.48
		Depth to saturated zone	0.48	Flooding	0.80		
15B:							
Glenelg	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
15C:							
Glenelg	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10		
15D:							
Glenelg	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10		
16B:							
Groseclose	45	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
16C:							
Groseclose	45	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Slope	0.37	Slope	0.37
		Low strength	1.00	Too clayey	0.28		
		Frost action	0.50	Cutbanks cave	0.10		
16D:							
Poplimento	40	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	0.94	Cutbanks cave	0.10		
		Frost action	0.50				
16C:							
Poplimento	40	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	0.94	Too clayey	0.28		
		Frost action	0.50	Cutbanks cave	0.10		

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

Montgomery 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>16D:</b>							
Groseclose	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
Poplimento	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	0.94	Cutbanks cave	0.10		
<b>16E:</b>							
Groseclose	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
Poplimento	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	0.94	Cutbanks cave	0.10		
<b>17C:</b>							
Groseclose	40	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Slope	0.37	Gravel content	0.68
		Low strength	1.00	Too clayey	0.28	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.10		
Poplimento	35	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Gravel content	0.60
		Shrink-swell	0.94	Too clayey	0.28	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.10		
<b>18B:</b>							
Groseclose	40	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
Urban land	30	Not Rated		Not Rated		Not Rated	
Purdy	2	Not Rated		Not Rated		Not Rated	
<b>18C:</b>							
Groseclose	40	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Slope	0.37	Slope	0.37
		Low strength	1.00	Too clayey	0.28		
		Frost action	0.50	Cutbanks cave	0.10		
Urban land	30	Not Rated		Not Rated		Not Rated	

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

Montgomery 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:							
Purdy	2	Not Rated		Not Rated		Not Rated	
18D:							
Groseclose	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
Urban land	30	Not Rated		Not Rated		Not Rated	
Purdy	2	Not Rated		Not Rated		Not Rated	
19B:							
Guernsey	85	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.03
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	1.00	Cutbanks cave	0.10		
20B:							
Hayter	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.03
		Shrink-swell	0.06				
Purdy	3	Not Rated		Not Rated		Not Rated	
21C:							
Hayter	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.37	Content of large stones	0.68
		Slope	0.37	Cutbanks cave	0.10	Slope	0.37
		Shrink-swell	0.06				
Purdy	3	Not Rated		Not Rated		Not Rated	
22C:							
Jefferson	85	Somewhat limited		Very limited		Somewhat limited	
		Low strength	0.78	Cutbanks cave	1.00	Slope	0.37
		Slope	0.37	Slope	0.37		
		Shrink-swell	0.06				
23C:							
Jefferson	85	Somewhat limited		Very limited		Somewhat limited	
		Low strength	0.78	Cutbanks cave	1.00	Slope	0.37
		Frost action	0.50	Slope	0.37		
		Slope	0.37				
24D:							

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

Montgomery 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>24D:</b>							
Jefferson	85	Very limited		Very limited		Very limited	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
		Low strength	0.78	Slope	1.00		
		Frost action	0.50				
<b>25:</b>							
McGary	40	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Depth to saturated zone	1.00	Flooding	0.60
		Low strength	1.00	Flooding	0.60	Depth to saturated zone	0.19
		Shrink-swell	0.78	Cutbanks cave	0.10		
Purdy	35	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		
<b>26C:</b>							
Parker	45	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Gravel content	0.87
		Slope	0.37	Depth to hard bedrock	0.61	Droughty	0.49
				Slope	0.37	Slope	0.37
Glenelg	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10		
Purdy	2	Not Rated		Not Rated		Not Rated	
<b>26D:</b>							
Parker	45	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	0.87
				Depth to hard bedrock	0.61	Droughty	0.49
Glenelg	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10		
Purdy	2	Not Rated		Not Rated		Not Rated	
<b>26E:</b>							
Parker	45	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	0.87
				Depth to hard bedrock	0.61	Droughty	0.49

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

Montgomery 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>26E:</b>							
Glenelg	35	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Purdy	2	Not Rated		Not Rated		Not Rated	
<b>27E:</b>							
Parker	45	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave Depth to hard bedrock	1.00 1.00 0.61	Very limited Slope Gravel content Droughty	1.00 0.87 0.49
Rock outcrop	35	Not Rated		Not Rated		Not Rated	
Purdy	2	Not Rated		Not Rated		Not Rated	
<b>28:</b>							
Ross	90	Very limited Flooding Low strength Frost action	1.00 1.00 0.50	Somewhat limited Flooding Depth to saturated zone Cutbanks cave	0.60 0.15 0.10	Somewhat limited Flooding	0.60
Purdy	3	Not Rated		Not Rated		Not Rated	
<b>29:</b>							
Udorthents	45	Not Rated		Not Rated		Not Rated	
Urban land	30	Not Rated		Not Rated		Not Rated	
Purdy	2	Not Rated		Not Rated		Not Rated	
<b>30B:</b>							
Unison	45	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	
Braddock	30	Very limited Low strength Shrink-swell Frost action	1.00 0.78 0.50	Very limited Cutbanks cave Too clayey	1.00 0.13	Not limited	
Purdy	3	Not Rated		Not Rated		Not Rated	
<b>30C:</b>							
Unison	45	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

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

Montgomery 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>30C:</b>							
Braddock	30	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Slope	0.37
		Shrink-swell	0.78	Slope	0.37		
		Frost action	0.50	Too clayey	0.13		
Purdy	3	Not Rated		Not Rated		Not Rated	
<b>30D:</b>							
Unison	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.50		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Braddock	30	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	0.78	Too clayey	0.13		
Purdy	3	Not Rated		Not Rated		Not Rated	
<b>31C:</b>							
Unison	45	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	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.10		
Braddock	30	Very limited		Very limited		Very limited	
		Low strength	1.00	Cutbanks cave	1.00	Content of large stones	1.00
		Shrink-swell	0.78	Slope	0.37	Slope	0.37
		Frost action	0.50	Too clayey	0.13		
Purdy	3	Not Rated		Not Rated		Not Rated	
<b>32B:</b>							
Unison	50	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				
Urban land	30	Not Rated		Not Rated		Not Rated	
<b>32C:</b>							
Unison	50	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		
Urban land	20	Not Rated		Not Rated		Not Rated	

32D:

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

Montgomery 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>32D:</b>							
Unison	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Too clayey	0.50		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Urban land	20	Not Rated		Not Rated		Not Rated	
<b>33:</b>							
Weaver	85	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Depth to saturated zone	1.00	Flooding	0.60
		Low strength	1.00	Cutbanks cave	1.00	Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Flooding	0.60		
Purdy	3	Not Rated		Not Rated		Not Rated	
<b>34E:</b>							
Wurno	50	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	0.51
		Depth to hard bedrock	0.02	Depth to soft bedrock	0.23	Gravel content	0.26
Caneyville	30	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	0.46
		Shrink-swell	0.94	Too clayey	0.32		
<b>W:</b>							
Water	100	Not Rated		Not Rated		Not Rated	