

Table ENG-4. - Building Site Development

Prince William 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
1A:							
Aden	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Flooding	0.60	Flooding	0.60
		Flooding	1.00	Too clayey	0.28		
Ponded soils	3	Not Rated		Not Rated		Not Rated	
2B:							
Airmont	40	Very limited		Very limited		Very limited	
		Content of large stones	1.00	Depth to saturated zone	1.00	Content of large stones	1.00
		Frost action	0.50	Content of large stones	1.00	Droughty	0.90
		Depth to saturated zone	0.03	Depth to thin cemented pan	0.74	Depth to cemented pan	0.74
Weverton	40	Very limited		Very limited		Very limited	
		Content of large stones	1.00	Content of large stones	1.00	Content of large stones	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.57
2C:							
Airmont	40	Very limited		Very limited		Very limited	
		Content of large stones	1.00	Depth to saturated zone	1.00	Content of large stones	1.00
		Frost action	0.50	Content of large stones	1.00	Droughty	0.90
		Slope	0.37	Depth to thin cemented pan	0.74	Depth to cemented pan	0.74
Weverton	40	Very limited		Very limited		Very limited	
		Content of large stones	1.00	Content of large stones	1.00	Content of large stones	1.00
		Frost action	0.50	Slope	0.37	Droughty	0.57
		Slope	0.37	Cutbanks cave	0.10	Slope	0.37
2D:							
Airmont	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	1.00	Depth to saturated zone	1.00	Content of large stones	1.00
		Frost action	0.50	Content of large stones	1.00	Droughty	0.90

Table ENG-4. - Building Site Development - Continued

Prince William 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
2D:							
Weverton	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	1.00	Content of large stones	1.00	Content of large stones	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.57
2E:							
Airmont	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	1.00	Depth to saturated zone	1.00	Content of large stones	1.00
		Frost action	0.50	Content of large stones	1.00	Droughty	0.90
Weverton	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Content of large stones	1.00	Content of large stones	1.00	Content of large stones	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.57
3A:							
Albano	80	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	1.00		
		Depth to saturated zone	1.00	Depth to hard bedrock	0.93		
4B:							
Arcola	80	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Depth to bedrock	0.65
		Low strength	0.22	Depth to soft bedrock	0.64	Droughty	0.01
				Depth to hard bedrock	0.61		
Albano	5	Not Rated		Not Rated		Not Rated	
5C:							
Arcola	50	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Depth to bedrock	0.65
		Slope	0.37	Depth to soft bedrock	0.64	Slope	0.37
		Low strength	0.22	Depth to hard bedrock	0.61	Droughty	0.01
Nestoria	30	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Frost action	0.50	Depth to soft bedrock	1.00	Droughty	1.00
		Depth to hard bedrock	0.46	Slope	0.37	Slope	0.37
Albano	5	Not Rated		Not Rated		Not Rated	
5D:							

Table ENG-4. - Building Site Development - Continued

Prince William 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
5D:							
Arcola	50	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 bedrock	0.65
		Low strength	0.22	Depth to soft bedrock	0.64	Droughty	0.01
Nestoria	30	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00	Droughty	1.00
Albano	5	Not Rated		Not Rated		Not Rated	
6A:							
Baile	75	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				
7A:							
Bermudian	85	Very limited		Somewhat limited		Somewhat limited	
		Flooding	1.00	Flooding	0.60	Flooding	0.60
		Low strength	1.00	Depth to saturated zone	0.35		
		Frost action	0.50	Cutbanks cave	0.10		
8C:							
Braddock	80	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		
9B:							
Brentsville	80	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Depth to hard bedrock	1.00	Depth to bedrock	0.16
		Depth to hard bedrock	0.01	Depth to soft bedrock	0.16		
				Cutbanks cave	0.10		
Albano	3	Not Rated		Not Rated		Not Rated	
9C:							
Brentsville	80	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Depth to hard bedrock	1.00	Slope	0.37
		Slope	0.37	Slope	0.37	Depth to bedrock	0.16
		Depth to hard bedrock	0.01	Depth to soft bedrock	0.16		
Albano	3	Not Rated		Not Rated		Not Rated	

10B:

Table ENG-4. - Building Site Development - Continued

Prince William 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
10B:							
Buckhall	80	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				
10C:							
Buckhall	80	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		
11B:							
Calverton	80	Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to cemented pan	1.00
		Low strength	1.00	Depth to dense layer	0.50	Depth to saturated zone	0.75
		Depth to saturated zone	0.75	Cutbanks cave	0.10	Droughty	0.11
12D:							
Catlett	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.79	Slope	1.00	Droughty	1.00
Albano	3	Not Rated		Not Rated		Not Rated	
13B:							
Catlett	40	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Depth to hard bedrock	0.79	Depth to soft bedrock	1.00	Droughty	1.00
		Frost action	0.50	Cutbanks cave	0.10	Gravel content	0.60
Sycoline	40	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to hard bedrock	1.00	Depth to bedrock	0.21
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.03
		Depth to hard bedrock	0.20	Cutbanks cave	0.10		
Albano	3	Not Rated		Not Rated		Not Rated	
13C:							
Catlett	40	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Depth to hard bedrock	0.79	Depth to soft bedrock	1.00	Droughty	1.00
		Frost action	0.50	Slope	0.37	Gravel content	0.60

Table ENG-4. - Building Site Development - Continued

Prince William 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
13C:							
Sycoline	40	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to hard bedrock	1.00	Slope	0.37
		Low strength	1.00	Depth to saturated zone	1.00	Depth to bedrock	0.21
		Slope	0.37	Slope	0.37	Depth to saturated zone	0.03
Albano	3	Not Rated		Not Rated		Not Rated	
14A:							
Codorus	85	Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	0.75
		Low strength	1.00	Cutbanks cave	0.10		
Hatboro	5	Not Rated		Not Rated		Not Rated	
15A:							
Comus	85	Very limited		Somewhat limited		Very limited	
		Flooding	1.00	Flooding	0.80	Flooding	1.00
		Frost action	0.50	Cutbanks cave	0.10		
Hatboro	5	Not Rated		Not Rated		Not Rated	
16A:							
Delanco	80	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.48
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
Hatboro	5	Not Rated		Not Rated		Not Rated	
17A:							
Dulles	80	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.48
		Low strength	1.00	Too clayey	0.50		
		Shrink-swell	1.00	Cutbanks cave	0.10		
Albano	5	Not Rated		Not Rated		Not Rated	
18C:							
Dumfries	75	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10		
18D:							
Dumfries	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10		

Table ENG-4. - Building Site Development - Continued

Prince William 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
18E:							
Dumfries	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10		
19B:							
Elioak	80	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.13		
		Frost action	0.50	Cutbanks cave	0.10		
Baile	3	Not Rated		Not Rated		Not Rated	
19C:							
Elioak	80	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Frost action	0.50	Too clayey	0.13		
		Slope	0.37	Cutbanks cave	0.10		
Baile	3	Not Rated		Not Rated		Not Rated	
20B:							
Elsinboro	80	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
		Flooding	0.40				
Hatboro	3	Not Rated		Not Rated		Not Rated	
21B:							
Fairfax	80	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50	Too clayey	0.03		
		Frost action	0.50				
21C:							
Fairfax	80	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		
22A:							
Featherstone	80	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Ponding	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Flooding	0.80	Ponding	1.00
Ponded soils	5	Not Rated		Not Rated		Not Rated	
23C:							

Table ENG-4. - Building Site Development - Continued

Prince William 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
23C:							
Gaila	80	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Slope	0.37
		Slope	0.37	Slope	0.37		
23D:							
Gaila	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00		
23E:							
Gaila	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00		
24B:							
Glenelg	45	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
Buckhall	35	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				
24C:							
Glenelg	45	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10		
Buckhall	35	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		
24D:							
Glenelg	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10		
Buckhall	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	0.50	Cutbanks cave	0.10		
25A:							

Table ENG-4. - Building Site Development - Continued

Prince William 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
25A:							
Glenville	80	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Cutbanks cave	1.00	Depth to cemented pan	0.97
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.48
		Depth to saturated zone	0.48			Droughty	0.16
Baile	3	Not Rated		Not Rated		Not Rated	
26A:							
Hatboro	70	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	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Flooding	0.80		
27A:							
Hatboro	45	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	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Flooding	0.80		
Codorus	35	Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	0.75
		Low strength	1.00	Cutbanks cave	0.10		
28B:							
Haymarket	80	Very limited		Somewhat limited		Not limited	
		Frost action	1.00	Too clayey	0.50		
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
28C:							
Haymarket	80	Very limited		Somewhat limited		Somewhat limited	
		Frost action	1.00	Too clayey	0.50	Slope	0.37
		Low strength	1.00	Slope	0.37		
		Shrink-swell	1.00	Cutbanks cave	0.10		
29B:							
Hoadly	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	0.50	Depth to thin cemented pan	0.54	Depth to cemented pan	0.54
				Depth to dense layer	0.50		
30B:							

Table ENG-4. - Building Site Development - Continued

Prince William 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
30B:							
Jackland	80	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Frost action	1.00	Too clayey	0.50		
		Low strength	1.00	Cutbanks cave	0.10		
31B:							
Jackland	50	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Frost action	1.00	Too clayey	0.50		
		Low strength	1.00	Cutbanks cave	0.10		
Haymarket	30	Very limited		Somewhat limited		Not limited	
		Frost action	1.00	Too clayey	0.50		
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
31C:							
Jackland	50	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Frost action	1.00	Too clayey	0.50	Slope	0.37
		Low strength	1.00	Slope	0.37		
Haymarket	30	Very limited		Somewhat limited		Somewhat limited	
		Frost action	1.00	Too clayey	0.50	Slope	0.37
		Low strength	1.00	Slope	0.37		
		Shrink-swell	1.00	Cutbanks cave	0.10		
32A:							
Kelly	80	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Depth to saturated zone	0.19
		Shrink-swell	1.00	Depth to saturated zone	1.00		
		Frost action	0.50	Depth to hard bedrock	0.84		
33B:							
Legore	50	Somewhat limited		Somewhat limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Oakhill	30	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.69
				Depth to hard bedrock	0.84	Gravel content	0.26
				Depth to soft bedrock	0.16	Depth to bedrock	0.16
33C:							

Table ENG-4. - Building Site Development - Continued

Prince William 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:							
Legore	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Slope	0.37	Slope	0.37
		Frost action	0.50	Cutbanks cave	0.10		
		Slope	0.37				
Oakhill	30	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.69
		Slope	0.37	Depth to hard bedrock	0.84	Slope	0.37
				Slope	0.37	Gravel content	0.26
33D:							
Legore	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
Oakhill	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.69
				Depth to hard bedrock	0.84	Gravel content	0.26
34B:							
Lunt	80	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				
34C:							
Lunt	80	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		
34D:							
Lunt	75	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		
35B:							
Manassas	85	Very limited		Very limited		Not limited	
		Low strength	1.00	Depth to saturated zone	1.00		
		Frost action	0.50	Cutbanks cave	0.10		
		Flooding	0.40				
Albano	3	Not Rated		Not Rated		Not Rated	
36D:							

Table ENG-4. - Building Site Development - Continued

Prince William 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
36D:							
Marr	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10		
36E:							
Marr	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10		
37A:							
Marumsco	85	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.94
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	1.00	Cutbanks cave	0.10		
38B:							
Meadowville	80	Somewhat limited		Very limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	1.00		
		Frost action	0.50	Depth to saturated zone	0.61		
Baile	3	Not Rated		Not Rated		Not Rated	
39B3:							
Minnieville	80	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.72		
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
39C3:							
Minnieville	80	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.72	Slope	0.37
		Shrink-swell	0.50	Slope	0.37		
		Frost action	0.50	Cutbanks cave	0.10		
40B:							
Montalto	80	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00	Too clayey	0.03		
		Frost action	0.50				
40C:							
Montalto	80	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		
41B:							

Table ENG-4. - Building Site Development - Continued

Prince William 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
41B:							
Neabsco	80	Very limited		Very limited		Very limited	
		Frost action	1.00	Cutbanks cave	1.00	Depth to cemented pan	1.00
		Depth to saturated zone	0.48	Depth to saturated zone	1.00	Depth to saturated zone	0.48
				Depth to dense layer	0.50	Droughty	0.18
41C:							
Neabsco	80	Very limited		Very limited		Very limited	
		Frost action	1.00	Cutbanks cave	1.00	Depth to cemented pan	1.00
		Depth to saturated zone	0.48	Depth to saturated zone	1.00	Depth to saturated zone	0.48
		Slope	0.37	Depth to dense layer	0.50	Slope	0.37
42B:							
Neabsco	45	Very limited		Very limited		Very limited	
		Frost action	1.00	Cutbanks cave	1.00	Depth to cemented pan	1.00
		Depth to saturated zone	0.48	Depth to saturated zone	1.00	Depth to saturated zone	0.48
				Depth to dense layer	0.50	Droughty	0.18
Quantico							
	35	Very limited		Somewhat limited		Not limited	
		Frost action	1.00	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
43D:							
Nestoria	80	Very limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Depth to soft bedrock	1.00	Droughty	1.00
		Frost action	0.50	Slope	1.00	Slope	1.00
Albano	3	Not Rated		Not Rated		Not Rated	
43E:							
Nestoria	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Slope	1.00
		Frost action	0.50	Slope	1.00	Droughty	1.00
44D:							
Occoquan	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.02
44E:							

Table ENG-4. - Building Site Development - Continued

Prince William 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
44E:							
Occoquan	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.02
45C:							
Orenda	75	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		
46B:							
Panorama	75	Very limited		Somewhat limited		Not limited	
		Frost action	1.00	Cutbanks cave	0.10		
		Low strength	1.00				
		Shrink-swell	0.50				
Albano	5	Not Rated		Not Rated		Not Rated	
46C:							
Panorama	75	Very limited		Somewhat limited		Somewhat limited	
		Frost action	1.00	Slope	0.37	Slope	0.37
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
Albano	5	Not Rated		Not Rated		Not Rated	
47B:							
Quantico	75	Very limited		Somewhat limited		Not limited	
		Frost action	1.00	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
47C:							
Quantico	75	Very limited		Somewhat limited		Somewhat limited	
		Frost action	1.00	Slope	0.37	Slope	0.37
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	0.50	Cutbanks cave	0.10		
47D:							
Quantico	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	1.00	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
48A:							

Table ENG-4. - Building Site Development - Continued

Prince William 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
48A:							
Reaville	80	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.48
		Depth to saturated zone	0.48	Depth to soft bedrock	0.46	Depth to bedrock	0.46
				Cutbanks cave	0.10	Droughty	<0.01
Albano	3	Not Rated		Not Rated		Not Rated	
49A:							
Rowland	80	Very limited		Very limited		Very limited	
		Frost action	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	0.19
		Low strength	1.00	Cutbanks cave	0.10		
50D:							
Spriggs	80	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 bedrock	0.29
				Depth to hard bedrock	0.61		
50E:							
Spriggs	80	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 bedrock	0.29
				Depth to hard bedrock	0.61		
51D:							
Stumptown	80	Very limited		Very limited		Very limited	
		Content of large stones	1.00	Depth to hard bedrock	1.00	Content of large stones	1.00
		Slope	1.00	Content of large stones	1.00	Droughty	1.00
		Frost action	0.50	Slope	1.00	Slope	1.00
51E:							
Stumptown	80	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Content of large stones	1.00	Slope	1.00	Content of large stones	1.00
		Frost action	0.50	Content of large stones	1.00	Droughty	1.00
52B:							
Sudley	50	Somewhat limited		Very limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	1.00		
		Frost action	0.50				
Oatlands	30	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.50	Depth to hard bedrock	1.00	Depth to bedrock	0.06
		Frost action	0.50	Cutbanks cave	1.00	Droughty	0.01
		Depth to hard bedrock	0.06				

Table ENG-4. - Building Site Development - Continued

Prince William 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
52B:							
Albano	3	Not Rated		Not Rated		Not Rated	
52C:							
Sudley	50	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				
Oatlands	30	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.50	Depth to hard bedrock	1.00	Slope	0.37
		Frost action	0.50	Cutbanks cave	1.00	Depth to bedrock	0.06
		Slope	0.37	Slope	0.37	Droughty	0.01
Albano	3	Not Rated		Not Rated		Not Rated	
53B:							
Sycoline	50	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to hard bedrock	1.00	Depth to bedrock	0.65
		Depth to hard bedrock	0.64	Depth to saturated zone	1.00	Depth to saturated zone	0.03
		Shrink-swell	0.50	Cutbanks cave	0.10		
Kelly	30	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Depth to saturated zone	0.19
		Shrink-swell	1.00	Depth to saturated zone	1.00		
		Frost action	0.50	Depth to hard bedrock	0.84		
53C:							
Sycoline	50	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to hard bedrock	1.00	Depth to bedrock	0.65
		Depth to hard bedrock	0.64	Depth to saturated zone	1.00	Slope	0.37
		Shrink-swell	0.50	Slope	0.37	Depth to saturated zone	0.03
Kelly	30	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Depth to saturated zone	0.19
		Shrink-swell	1.00	Depth to saturated zone	1.00		
		Frost action	0.50	Depth to hard bedrock	0.84		
54B:							
Urban land	50	Not Rated		Not Rated		Not Rated	
Udorthents	40	Not Rated		Not Rated		Not Rated	
55D:							

Table ENG-4. - Building Site Development - Continued

Prince William 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
55D:							
Watt	80	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.54 0.10	Very limited Slope Droughty Depth to bedrock	1.00 0.91 0.54
55E:							
Watt	80	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.54 0.10	Very limited Slope Droughty Depth to bedrock	1.00 0.91 0.54
56A:							
Waxpool	80	Very limited Depth to saturated zone Frost action Low strength	1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Too clayey	1.00 1.00 0.50	Very limited Depth to saturated zone	1.00
NS:							
Not surveyed	100	Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	