

Table ENG-4. - Building Site Development

Prince George 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:							
Ackwater	90	Very limited Low strength Depth to saturated zone Shrink-swell	1.00 0.75 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.75
Aycock	5	Not Rated		Not Rated		Not Rated	
Montross	5	Not Rated		Not Rated		Not Rated	
1B:							
Ackwater	90	Very limited Low strength Depth to saturated zone Shrink-swell	1.00 0.75 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.75
Aycock	5	Not Rated		Not Rated		Not Rated	
Montross	5	Not Rated		Not Rated		Not Rated	
1C:							
Ackwater	90	Very limited Low strength Depth to saturated zone Shrink-swell	1.00 0.75 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.75
Aycock	5	Not Rated		Not Rated		Not Rated	
Montross	5	Not Rated		Not Rated		Not Rated	
2C3:							
Ackwater	90	Very limited Low strength Depth to saturated zone Shrink-swell	1.00 0.75 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.75
Aycock	5	Not Rated		Not Rated		Not Rated	
Montross	5	Not Rated		Not Rated		Not Rated	
2D3:							

Table ENG-4. - Building Site Development - Continued

Prince George 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
2D3:							
Ackwater	80	Very limited		Very limited		Very limited	
		Low strength	1.00	Depth to saturated zone	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Depth to saturated zone	0.75
		Depth to saturated zone	0.75	Cutbanks cave	0.10		
Aycock	10	Not Rated		Not Rated		Not Rated	
Montross	10	Not Rated		Not Rated		Not Rated	
3:							
Argent	90	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Bolling	5	Not Rated		Not Rated		Not Rated	
Muckalee	5	Not Rated		Not Rated		Not Rated	
4A:							
Aycock	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Depth to saturated zone	0.61		
				Cutbanks cave	0.10		
Ackwater	3	Not Rated		Not Rated		Not Rated	
Bonneau	3	Not Rated		Not Rated		Not Rated	
Emporia	3	Not Rated		Not Rated		Not Rated	
Montross	3	Not Rated		Not Rated		Not Rated	
Norfolk	3	Not Rated		Not Rated		Not Rated	
4B:							
Aycock	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Depth to saturated zone	0.61		
				Cutbanks cave	0.10		
Ackwater	4	Not Rated		Not Rated		Not Rated	
Emporia	4	Not Rated		Not Rated		Not Rated	
Montross	4	Not Rated		Not Rated		Not Rated	
Norfolk	3	Not Rated		Not Rated		Not Rated	

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Table ENG-4. - Building Site Development - Continued

Prince George 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
5:							
Bojac	85	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
				Depth to saturated zone	0.18		
Pamunkey	8	Not Rated		Not Rated		Not Rated	
Bolling	7	Not Rated		Not Rated		Not Rated	
6:							
Bolling	90	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Depth to saturated zone	1.00	Flooding	0.60
		Low strength	1.00			Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Flooding	0.60		
				Cutbanks cave	0.10		
Argent	5	Not Rated		Not Rated		Not Rated	
Pamunkey	5	Not Rated		Not Rated		Not Rated	
7B:							
Bonneau	85	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.01
				Depth to saturated zone	0.47		
Burrowsville	4	Not Rated		Not Rated		Not Rated	
Emporia	4	Not Rated		Not Rated		Not Rated	
Norfolk	4	Not Rated		Not Rated		Not Rated	
Slagle	3	Not Rated		Not Rated		Not Rated	
7C:							
Bonneau	85	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.01
				Depth to saturated zone	0.47		
Emporia	8	Not Rated		Not Rated		Not Rated	
Slagle	7	Not Rated		Not Rated		Not Rated	
8A:							
Burrowsville	80	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.75	Depth to saturated zone	1.00	Depth to cemented pan	0.84
				Depth to thin cemented pan	0.84	Depth to saturated zone	0.75
				Cutbanks cave	0.10	Droughty	0.10

Table ENG-4. - Building Site Development - Continued

Prince George 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
8A:							
Bonneau	7	Not Rated		Not Rated		Not Rated	
Emporia	7	Not Rated		Not Rated		Not Rated	
Slagle	6	Not Rated		Not Rated		Not Rated	
8B:							
Burrowsville	80	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.75	Depth to saturated zone	1.00	Depth to cemented pan	0.84
				Depth to thin cemented pan	0.84	Depth to saturated zone	0.75
				Cutbanks cave	0.10	Droughty	0.10
Bonneau	7	Not Rated		Not Rated		Not Rated	
Emporia	7	Not Rated		Not Rated		Not Rated	
Slagle	6	Not Rated		Not Rated		Not Rated	
9:							
Catpoint	95	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.95
				Depth to saturated zone	0.18		
Muckalee	5	Not Rated		Not Rated		Not Rated	
10:							
Chickahominy	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Too clayey	0.13		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Newflat	8	Not Rated		Not Rated		Not Rated	
Peawick	7	Not Rated		Not Rated		Not Rated	
11B:							
Emporia	80	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Depth to saturated zone	0.73		
				Cutbanks cave	0.10		
Bonneau	5	Not Rated		Not Rated		Not Rated	
Burrowsville	5	Not Rated		Not Rated		Not Rated	
Norfolk	5	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Prince George 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
11B:							
Slagle	5	Not Rated		Not Rated		Not Rated	
11C:							
Emporia	80	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone Cutbanks cave	0.73 0.10	Not limited	
Ackwater	7	Not Rated		Not Rated		Not Rated	
Bonneau	7	Not Rated		Not Rated		Not Rated	
Slagle	6	Not Rated		Not Rated		Not Rated	
12F:							
Emporia	80	Very limited Slope Low strength	1.00 1.00	Very limited Slope Depth to saturated zone Cutbanks cave	1.00 0.73 0.10	Very limited Slope	1.00
Kinston	7	Not Rated		Not Rated		Not Rated	
Slagle	7	Not Rated		Not Rated		Not Rated	
Lynchburg	6	Not Rated		Not Rated		Not Rated	
13D:							
Emporia	45	Very limited Low strength Slope	1.00 0.37	Somewhat limited Depth to saturated zone Slope Cutbanks cave	0.73 0.37 0.10	Somewhat limited Slope	0.37
Slagle	35	Somewhat limited Depth to saturated zone Slope	0.75 0.37	Very limited Depth to saturated zone Slope Cutbanks cave	1.00 0.37 0.10	Somewhat limited Depth to saturated zone Slope	0.75 0.37
Kinston	10	Not Rated		Not Rated		Not Rated	
Lynchburg	10	Not Rated		Not Rated		Not Rated	
14:							
Kinston	85	Very limited Depth to saturated zone Flooding Low strength	1.00 1.00 1.00	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.80 0.10	Very limited Flooding Depth to saturated zone	1.00 1.00

Table ENG-4. - Building Site Development - Continued

Prince George 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
14:							
Emporia	8	Not Rated		Not Rated		Not Rated	
Slagle	7	Not Rated		Not Rated		Not Rated	
15:							
Levy	95	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Depth to saturated zone	1.00	Flooding	1.00	Flooding	1.00
		Flooding	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Muckalee	5	Not Rated		Not Rated		Not Rated	
16:							
Lynchburg	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
				Cutbanks cave	0.10		
Aycock	4	Not Rated		Not Rated		Not Rated	
Montross	4	Not Rated		Not Rated		Not Rated	
Norfolk	4	Not Rated		Not Rated		Not Rated	
Rains	4	Not Rated		Not Rated		Not Rated	
Slagle	4	Not Rated		Not Rated		Not Rated	
17:							
Lynchburg	55	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
				Cutbanks cave	0.10		
Slagle	25	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.75	Depth to saturated zone	1.00	Depth to saturated zone	0.75
				Cutbanks cave	0.10		
Emporia	10	Not Rated		Not Rated		Not Rated	
Kinston	10	Not Rated		Not Rated		Not Rated	
18A:							
Montross	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to thick cemented pan	1.00	Depth to cemented pan	0.79
		Depth to thick cemented pan	0.80	Depth to saturated zone	1.00	Depth to saturated zone	0.22
		Depth to saturated zone	0.22	Too clayey	0.13		

Table ENG-4. - Building Site Development - Continued

Prince George 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
18A:							
Ackwater	8	Not Rated		Not Rated		Not Rated	
Aycock	7	Not Rated		Not Rated		Not Rated	
18B:							
Montross	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to thick cemented pan	1.00	Depth to cemented pan	0.79
		Depth to thick cemented pan	0.80	Depth to saturated zone	1.00	Depth to saturated zone	0.22
		Depth to saturated zone	0.22	Too clayey	0.13		
Ackwater	5	Not Rated		Not Rated		Not Rated	
Aycock	5	Not Rated		Not Rated		Not Rated	
Lynchburg	5	Not Rated		Not Rated		Not Rated	
19:							
Muckalee	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Flooding	0.80	Depth to saturated zone	1.00
				Cutbanks cave	0.10		
Bolling	8	Not Rated		Not Rated		Not Rated	
Levy	7	Not Rated		Not Rated		Not Rated	
20:							
Newflat	85	Very limited		Very limited		Very limited	
		Shrink-swell	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				
Peawick	8	Not Rated		Not Rated		Not Rated	
Chickahominy	7	Not Rated		Not Rated		Not Rated	
21:							
Norfolk	85	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone	0.61		
				Cutbanks cave	0.10		
Bonneau	4	Not Rated		Not Rated		Not Rated	
Burrowsville	4	Not Rated		Not Rated		Not Rated	
Emporia	4	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Prince George 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
21:							
Slagle	3	Not Rated		Not Rated		Not Rated	
22A:							
Pamunkey	85	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
Argent	5	Not Rated		Not Rated		Not Rated	
Bojac	5	Not Rated		Not Rated		Not Rated	
Bolling	5	Not Rated		Not Rated		Not Rated	
22B:							
Pamunkey	85	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
Argent	5	Not Rated		Not Rated		Not Rated	
Bojac	5	Not Rated		Not Rated		Not Rated	
Bolling	5	Not Rated		Not Rated		Not Rated	
23A:							
Peawick	85	Very limited Shrink-swell Low strength Depth to saturated zone	1.00 1.00 0.75	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.13 0.10	Somewhat limited Depth to saturated zone	0.75
Chickahominy	5	Not Rated		Not Rated		Not Rated	
Newflat	5	Not Rated		Not Rated		Not Rated	
Wickham	5	Not Rated		Not Rated		Not Rated	
23B:							
Peawick	85	Very limited Shrink-swell Low strength Depth to saturated zone	1.00 1.00 0.75	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.13 0.10	Somewhat limited Depth to saturated zone	0.75
Chickahominy	5	Not Rated		Not Rated		Not Rated	
Newflat	5	Not Rated		Not Rated		Not Rated	
Wickham	5	Not Rated		Not Rated		Not Rated	
23C:							

Table ENG-4. - Building Site Development - Continued

Prince George 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:							
Peawick	85	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.75
		Low strength	1.00	Too clayey	0.13		
		Depth to saturated zone	0.75	Cutbanks cave	0.10		
Newflat	8	Not Rated		Not Rated		Not Rated	
Wickham	7	Not Rated		Not Rated		Not Rated	
24:							
Rains	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
				Cutbanks cave	0.10		
Kinston	5	Not Rated		Not Rated		Not Rated	
Lynchburg	5	Not Rated		Not Rated		Not Rated	
Slagle	5	Not Rated		Not Rated		Not Rated	
25A:							
Slagle	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.75	Depth to saturated zone	1.00	Depth to saturated zone	0.75
				Cutbanks cave	0.10		
Burrowsville	3	Not Rated		Not Rated		Not Rated	
Emporia	3	Not Rated		Not Rated		Not Rated	
Lynchburg	3	Not Rated		Not Rated		Not Rated	
Montross	3	Not Rated		Not Rated		Not Rated	
Norfolk	3	Not Rated		Not Rated		Not Rated	
25B:							
Slagle	80	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.75	Depth to saturated zone	1.00	Depth to saturated zone	0.75
				Cutbanks cave	0.10		
Kinston	4	Not Rated		Not Rated		Not Rated	
Montross	4	Not Rated		Not Rated		Not Rated	
Ackwater	3	Not Rated		Not Rated		Not Rated	
Bonneau	3	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Prince George 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
25B:							
Burrowsville	3	Not Rated		Not Rated		Not Rated	
Emporia	3	Not Rated		Not Rated		Not Rated	
25C:							
Slagle	80	Somewhat limited Depth to saturated zone	0.75	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.75
Ackwater	7	Not Rated		Not Rated		Not Rated	
Bonneau	7	Not Rated		Not Rated		Not Rated	
Emporia	6	Not Rated		Not Rated		Not Rated	
26:							
Udorthents	75	Not Rated		Not Rated		Not Rated	
Emporia	4	Not Rated		Not Rated		Not Rated	
Pamunkey	4	Not Rated		Not Rated		Not Rated	
Slagle	4	Not Rated		Not Rated		Not Rated	
Wickham	4	Not Rated		Not Rated		Not Rated	
Argent	3	Not Rated		Not Rated		Not Rated	
Bolling	3	Not Rated		Not Rated		Not Rated	
Bonneau	3	Not Rated		Not Rated		Not Rated	
27:							
Udorthents	80	Not Rated		Not Rated		Not Rated	
Ackwater	3	Not Rated		Not Rated		Not Rated	
Urban Land	3	Not Rated		Not Rated		Not Rated	
Aycock	2	Not Rated		Not Rated		Not Rated	
Emporia	2	Not Rated		Not Rated		Not Rated	
Lynchburg	2	Not Rated		Not Rated		Not Rated	
Newflat	2	Not Rated		Not Rated		Not Rated	
Peawick	2	Not Rated		Not Rated		Not Rated	
Slagle	2	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Prince George 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
27:							
Wickham	2	Not Rated		Not Rated		Not Rated	
28:							
Urban land	80	Not Rated		Not Rated		Not Rated	
Slagle	3	Not Rated		Not Rated		Not Rated	
Wickham	3	Not Rated		Not Rated		Not Rated	
Ackwater	2	Not Rated		Not Rated		Not Rated	
Aycock	2	Not Rated		Not Rated		Not Rated	
Emporia	2	Not Rated		Not Rated		Not Rated	
Lynchburg	2	Not Rated		Not Rated		Not Rated	
Newflat	2	Not Rated		Not Rated		Not Rated	
Peawick	2	Not Rated		Not Rated		Not Rated	
29:							
Urban land	70	Not Rated		Not Rated		Not Rated	
Udorthents	20	Not Rated		Not Rated		Not Rated	
Aycock	2	Not Rated		Not Rated		Not Rated	
Slagle	2	Not Rated		Not Rated		Not Rated	
Ackwater	1	Not Rated		Not Rated		Not Rated	
Emporia	1	Not Rated		Not Rated		Not Rated	
Lynchburg	1	Not Rated		Not Rated		Not Rated	
Newflat	1	Not Rated		Not Rated		Not Rated	
Peawick	1	Not Rated		Not Rated		Not Rated	
Wickham	1	Not Rated		Not Rated		Not Rated	
30A:							
Wickham	90	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
Peawick	10	Not Rated		Not Rated		Not Rated	
30B:							
Wickham	90	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	

Table ENG-4. - Building Site Development - Continued

Prince George 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:							
Peawick	10	Not Rated		Not Rated		Not Rated	
30C:							
Wickham	80	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
Emporia	7	Not Rated		Not Rated		Not Rated	
Peawick	7	Not Rated		Not Rated		Not Rated	
Slagle	6	Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	