

Table ENG-4. - Building Site Development

Charles City 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:							
Altavista	80	Somewhat limited Low strength Depth to saturated zone	0.22 0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.19
Tomotley		Not Rated		Not Rated		Not Rated	
2A:							
Augusta	80	Somewhat limited Depth to saturated zone	0.75	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Somewhat limited Depth to saturated zone	0.75
Tomotley		Not Rated		Not Rated		Not Rated	
3A:							
Bethera	80	Very limited Depth to saturated zone Low strength Ponding	1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
4A:							
Bibb	80	Very limited Depth to saturated zone Flooding	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
5A:							
Bojac	80	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.15	Not limited	
5B:							
Bojac	80	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.15	Not limited	
6B:							
Caroline	80	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Too clayey Cutbanks cave	0.47 0.13 0.10	Not limited	

Table ENG-4. - Building Site Development - Continued

Charles City 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
7B:							
Caroline	50	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Too clayey Cutbanks cave	0.47 0.13 0.10	Not limited	
Emporia	30	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone Cutbanks cave	0.73 0.10	Not limited	
7C:							
Caroline	50	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Too clayey Cutbanks cave	0.47 0.13 0.10	Not limited	
Emporia	30	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone Cutbanks cave	0.73 0.10	Not limited	
8B:							
Catpoint	80	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.15	Somewhat limited Droughty	0.97
Nimmo		Not Rated		Not Rated		Not Rated	
9A:							
Chickahominy	80	Very limited Depth to saturated zone Shrink-swell Low strength	1.00 1.00 1.00	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Very limited Depth to saturated zone	1.00
10A:							
Chickahominy	80	Very limited Depth to saturated zone Shrink-swell Low strength	1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Too clayey	1.00 1.00 0.28	Very limited Depth to saturated zone Ponding	1.00 1.00
11B:							
Conetoe	80	Not limited		Very limited Cutbanks cave	1.00	Not limited	
12B:							

Table ENG-4. - Building Site Development - Continued

Charles City 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
12B:							
Craven	80	Very limited		Very limited		Not limited	
		Low strength	1.00	Depth to saturated zone	1.00		
		Shrink-swell	0.50	Too clayey	0.28		
				Cutbanks cave	0.10		
13C3:							
Craven	80	Not limited		Very limited		Not limited	
				Depth to saturated zone	1.00		
				Too clayey	0.28		
				Cutbanks cave	0.10		
14B:							
Craven	55	Very limited		Very limited		Not limited	
		Low strength	1.00	Depth to saturated zone	1.00		
		Shrink-swell	0.50	Too clayey	0.28		
				Cutbanks cave	0.10		
Caroline	25	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Depth to saturated zone	0.47		
		Shrink-swell	0.50	Too clayey	0.13		
				Cutbanks cave	0.10		
15C3:							
Craven	55	Not limited		Very limited		Not limited	
				Depth to saturated zone	1.00		
				Too clayey	0.28		
				Cutbanks cave	0.10		
Caroline	25	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Depth to saturated zone	0.47		
		Shrink-swell	0.50	Too clayey	0.13		
				Cutbanks cave	0.10		
16C:							
Craven	50	Very limited		Very limited		Not limited	
		Low strength	1.00	Depth to saturated zone	1.00		
		Shrink-swell	0.50	Too clayey	0.28		
				Cutbanks cave	0.10		
Remlik	30	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.31
				Depth to saturated zone	0.15		

Table ENG-4. - Building Site Development - Continued

Charles City 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
17C:							
Craven	40	Very limited Low strength Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Not limited	
Uchee	40	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.47	Somewhat limited Droughty	0.01
18A:							
Dogue	80	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 0.50 0.03	Very limited Depth to saturated zone Cutbanks cave Too clayey	1.00 0.10 0.03	Somewhat limited Depth to saturated zone	0.03
18B:							
Dogue	80	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 0.50 0.03	Very limited Depth to saturated zone Cutbanks cave Too clayey	1.00 0.10 0.03	Somewhat limited Depth to saturated zone	0.03
18C:							
Dogue	80	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 0.50 0.03	Very limited Depth to saturated zone Cutbanks cave Too clayey	1.00 0.10 0.03	Somewhat limited Depth to saturated zone	0.03
19A:							
Dragston	80	Somewhat limited Depth to saturated zone	0.48	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone	0.48
Nimmo		Not Rated		Not Rated		Not Rated	
20B:							
Emporia	80	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone Cutbanks cave	0.73 0.10	Not limited	
21B:							

Table ENG-4. - Building Site Development - Continued

Charles City 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:							
Emporia	80	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.73 0.10	Not limited	
22B:							
Emporia	80	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.73 0.10	Not limited	
23B:							
Emporia	50	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone Cutbanks cave	0.73 0.10	Not limited	
Kempsville	30	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
24B:							
Izagora	80	Very limited Low strength	1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	
25B:							
Kempsville	80	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
26A:							
Lawnes	80	Very limited Ponding Depth to saturated zone Flooding	1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Cutbanks cave	1.00 1.00 1.00	Very limited Ponding Flooding Content of organic matter	1.00 1.00 1.00
27B:							
Masada	80	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.01	Not limited	
28B3:							
Masada	80	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.01	Not limited	
29A:							

Table ENG-4. - Building Site Development - Continued

Charles City 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
29A:							
Mattan	80	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
30A:							
Munden	80	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.19	Cutbanks cave	1.00	Depth to saturated zone	0.19
				Depth to saturated zone	1.00		
Nimmo		Not Rated		Not Rated		Not Rated	
31A:							
Nahunta	80	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.48
		Depth to saturated zone	0.48	Cutbanks cave	0.10		
WET SPOTS		Not Rated		Not Rated		Not Rated	
32B:							
Nansemond	80	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.19	Cutbanks cave	1.00	Depth to saturated zone	0.19
				Depth to saturated zone	1.00		
WET SPOTS		Not Rated		Not Rated		Not Rated	
33A:							
Nawney	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	Flooding	0.80	Depth to saturated zone	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10		
34A:							
Nawney	80	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10		
35D:							
Nevarc	45	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Slope	0.84
		Slope	0.84	Slope	0.84	Depth to saturated zone	0.03
		Shrink-swell	0.50	Too clayey	0.13		

Table ENG-4. - Building Site Development - Continued

Charles City 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
35D:							
Remlik	35	Somewhat limited Slope	0.84	Very limited Cutbanks cave Slope Depth to saturated zone	1.00 0.84 0.15	Somewhat limited Slope Droughty	0.84 0.31
35E:							
Nevarc	45	Very limited Slope Low strength Shrink-swell	1.00 1.00 0.50	Very limited Slope Depth to saturated zone Too clayey	1.00 1.00 0.13	Very limited Slope Depth to saturated zone	1.00 0.03
Remlik	35	Very limited Slope	1.00	Very limited Slope Cutbanks cave Depth to saturated zone	1.00 1.00 0.15	Very limited Slope Droughty	1.00 0.31
35F:							
Nevarc	45	Very limited Slope Low strength Shrink-swell	1.00 1.00 0.50	Very limited Slope Depth to saturated zone Too clayey	1.00 1.00 0.13	Very limited Slope Depth to saturated zone	1.00 0.03
Remlik	35	Very limited Slope	1.00	Very limited Slope Cutbanks cave Depth to saturated zone	1.00 1.00 0.15	Very limited Slope Droughty	1.00 0.31
36A:							
Newflat	80	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 1.00 1.00	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Very limited Depth to saturated zone	1.00
37A:							
Nimmo	80	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone	1.00
WET SPOTS		Not Rated		Not Rated		Not Rated	
38A:							
Pamunkey	80	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	

Table ENG-4. - Building Site Development - Continued

Charles City 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
38B:							
Pamunkey	80	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
38C:							
Pamunkey	80	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
39A:							
Peawick	80	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 1.00 0.03	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Somewhat limited Depth to saturated zone	0.03
39B:							
Peawick	80	Very limited Low strength Shrink-swell Depth to saturated zone	1.00 1.00 0.03	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Somewhat limited Depth to saturated zone	0.03
40A:							
Roanoke	80	Very limited Depth to saturated zone Low strength Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Very limited Depth to saturated zone	1.00
41A:							
Seabrook	80	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.95	Somewhat limited Droughty	0.83
42B:							
Slagle	80	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.03	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.03
43B:							
Slagle	45	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.03	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.03
Emporia	35	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone Cutbanks cave	0.73 0.10	Not limited	

Table ENG-4. - Building Site Development - Continued

Charles City 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
44A: Tomotley	80	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone	1.00
45B: Turbeville	80	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Too clayey Cutbanks cave	0.13 0.10	Not limited	
46B: Uchee	80	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.47	Somewhat limited Droughty	0.01
47B: Udortheents	80	Not Rated		Not Rated		Not Rated	
48B: Udortheents	80	Not Rated		Not Rated		Not Rated	
49A: Wickham	80	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
49B: Wickham	80	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
50B3: Wickham	80	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
51A: Yeopim	80	Very limited Low strength Depth to saturated zone	1.00 0.03	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.03
51B: Yeopim	80	Very limited Low strength Depth to saturated zone	1.00 0.03	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.03
W: Water	100	Not Rated		Not Rated		Not Rated	