

Table ENG-4. - Building Site Development

Middlesex 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
1:							
Ackwater	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.03
		Shrink-swell	1.00	Too clayey	0.28		
		Depth to saturated zone	0.03	Cutbanks cave	0.10		
Slagle	6	Not Rated		Not Rated		Not Rated	
Emporia	4	Not Rated		Not Rated		Not Rated	
Bethera	3	Not Rated		Not Rated		Not Rated	
Daleville	2	Not Rated		Not Rated		Not Rated	
2B:							
Bama	85	Not limited		Somewhat limited		Not limited	
				Cutbanks cave	0.10		
Emporia	8	Not Rated		Not Rated		Not Rated	
Kempsville	7	Not Rated		Not Rated		Not Rated	
3:							
Bethera	40	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	Ponding	1.00	Ponding	1.00
		Ponding	1.00	Cutbanks cave	0.10		
Daleville	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
		Low strength	0.78	Cutbanks cave	0.10		
		Shrink-swell	0.50				
Ackwater	5	Not Rated		Not Rated		Not Rated	
Craven	5	Not Rated		Not Rated		Not Rated	
Eunola	5	Not Rated		Not Rated		Not Rated	
Myatt	5	Not Rated		Not Rated		Not Rated	
Slagle	5	Not Rated		Not Rated		Not Rated	

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Table ENG-4. - Building Site Development - Continued

Middlesex 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
4:							
Catpoint	85	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.81
				Depth to saturated zone	0.15		
Pactolus	5	Not Rated		Not Rated		Not Rated	
Kenansville	4	Not Rated		Not Rated		Not Rated	
Rumford	4	Not Rated		Not Rated		Not Rated	
Nansemond	2	Not Rated		Not Rated		Not Rated	
5A:							
Craven	85	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		
Slagle	10	Not Rated		Not Rated		Not Rated	
Bethera	3	Not Rated		Not Rated		Not Rated	
Daleville	2	Not Rated		Not Rated		Not Rated	
5B:							
Craven	85	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		
Slagle	10	Not Rated		Not Rated		Not Rated	
Bethera	3	Not Rated		Not Rated		Not Rated	
Daleville	2	Not Rated		Not Rated		Not Rated	
6A:							
Emporia	85	Somewhat limited		Somewhat limited		Not limited	
		Low strength	0.22	Depth to saturated zone	0.73		
				Cutbanks cave	0.10		
Slagle	7	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
Eunola	3	Not Rated		Not Rated		Not Rated	

6B:

Table ENG-4. - Building Site Development - Continued

Middlesex 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
6B:							
Emporia	75	Somewhat limited Low strength	0.22	Somewhat limited Depth to saturated zone Cutbanks cave	0.73 0.10	Not limited	
Kempsville	10	Not Rated		Not Rated		Not Rated	
Slagle	8	Not Rated		Not Rated		Not Rated	
Bama	7	Not Rated		Not Rated		Not Rated	
7D:							
Emporia	50	Somewhat limited Slope Low strength	0.37 0.22	Somewhat limited Depth to saturated zone Slope Cutbanks cave	0.73 0.37 0.10	Somewhat limited Slope	0.37
Nevarc	30	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.37	Very limited Depth to saturated zone Slope Too clayey	1.00 0.37 0.13	Somewhat limited Slope Depth to saturated zone	0.37 0.03
Ackwater	5	Not Rated		Not Rated		Not Rated	
Bama	5	Not Rated		Not Rated		Not Rated	
Kempsville	5	Not Rated		Not Rated		Not Rated	
Slagle	5	Not Rated		Not Rated		Not Rated	
7F:							
Emporia	50	Very limited Slope Low strength	1.00 0.22	Very limited Slope Depth to saturated zone Cutbanks cave	1.00 0.73 0.10	Very limited Slope	1.00
Nevarc	30	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
Ackwater	5	Not Rated		Not Rated		Not Rated	
Bama	5	Not Rated		Not Rated		Not Rated	
Kempsville	5	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Middlesex 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
7F:							
Slagle	5	Not Rated		Not Rated		Not Rated	
8:							
Eunola	80	Somewhat limited Low strength Depth to saturated zone	0.78 0.19	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone	0.19
Nansemond	8	Not Rated		Not Rated		Not Rated	
Kenansville	7	Not Rated		Not Rated		Not Rated	
Myatt	3	Not Rated		Not Rated		Not Rated	
Pactolus	2	Not Rated		Not Rated		Not Rated	
9A:							
Kempsville	85	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
Emporia	8	Not Rated		Not Rated		Not Rated	
Suffolk	7	Not Rated		Not Rated		Not Rated	
9B:							
Kempsville	80	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
Emporia	8	Not Rated		Not Rated		Not Rated	
Suffolk	7	Not Rated		Not Rated		Not Rated	
Bama	5	Not Rated		Not Rated		Not Rated	
10:							
Kenansville	85	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.15	Somewhat limited Droughty	0.09
Kempsville	4	Not Rated		Not Rated		Not Rated	
Suffolk	4	Not Rated		Not Rated		Not Rated	
Emporia	3	Not Rated		Not Rated		Not Rated	
Eunola	2	Not Rated		Not Rated		Not Rated	
Nansemond	2	Not Rated		Not Rated		Not Rated	

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Table ENG-4. - Building Site Development - Continued

Middlesex 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
11:							
Kinston	45	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
		Low strength	0.78	Cutbanks cave	0.10		
Bibb	35	Very limited		Very limited		Very limited	
		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
				Flooding	0.80		
Ochlockonee	10	Not Rated		Not Rated		Not Rated	
Pocaty	10	Not Rated		Not Rated		Not Rated	
12:							
Lumbee	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
		Flooding	0.40	Cutbanks cave	1.00		
Eunola	10	Not Rated		Not Rated		Not Rated	
Myatt	5	Not Rated		Not Rated		Not Rated	
13:							
Myatt	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
		Low strength	0.78	Cutbanks cave	1.00		
Nansemond	7	Not Rated		Not Rated		Not Rated	
Eunola	6	Not Rated		Not Rated		Not Rated	
Bibb	3	Not Rated		Not Rated		Not Rated	
Kinston	2	Not Rated		Not Rated		Not Rated	
Pactolus	2	Not Rated		Not Rated		Not Rated	
14:							
Nansemond	85	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	Droughty	0.02
Ackwater	5	Not Rated		Not Rated		Not Rated	
Eunola	5	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Middlesex 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: Myatt	5	Not Rated		Not Rated		Not Rated	
15: Ochlockonee	75	Very limited Flooding	1.00	Somewhat limited Flooding Depth to saturated zone Cutbanks cave	0.80 0.61 0.10	Very limited Flooding	1.00
Pactolus	8	Not Rated		Not Rated		Not Rated	
Bibb	5	Not Rated		Not Rated		Not Rated	
Emporia	4	Not Rated		Not Rated		Not Rated	
Kenansville	4	Not Rated		Not Rated		Not Rated	
Kinston	4	Not Rated		Not Rated		Not Rated	
16: Pactolus	80	Somewhat limited Depth to saturated zone	0.03	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Droughty Depth to saturated zone	0.54 0.03
Catpoint	5	Not Rated		Not Rated		Not Rated	
Kenansville	4	Not Rated		Not Rated		Not Rated	
Myatt	3	Not Rated		Not Rated		Not Rated	
Nansemond	3	Not Rated		Not Rated		Not Rated	
Rumford	3	Not Rated		Not Rated		Not Rated	
Suffolk	2	Not Rated		Not Rated		Not Rated	
17: Pocaty	90	Very limited Ponding Depth to saturated zone Flooding	1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Content of organic matter	1.00 1.00 1.00	Not Rated	
Bibb	5	Not Rated		Not Rated		Not Rated	
Kinston	5	Not Rated		Not Rated		Not Rated	
18A:							

Table ENG-4. - Building Site Development - Continued

Middlesex 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:							
Rumford	80	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Kenansville	5	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
Catpoint	4	Not Rated		Not Rated		Not Rated	
Eunola	3	Not Rated		Not Rated		Not Rated	
Nansemond	3	Not Rated		Not Rated		Not Rated	
18B:							
Rumford	80	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Catpoint	5	Not Rated		Not Rated		Not Rated	
Kenansville	5	Not Rated		Not Rated		Not Rated	
Suffolk	4	Not Rated		Not Rated		Not Rated	
Eunola	3	Not Rated		Not Rated		Not Rated	
Pactolus	3	Not Rated		Not Rated		Not Rated	
19A:							
Slagle	80	Somewhat limited Depth to saturated zone	0.03	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.03
Emporia	10	Not Rated		Not Rated		Not Rated	
Eunola	10	Not Rated		Not Rated		Not Rated	
19B:							
Slagle	80	Somewhat limited Depth to saturated zone	0.03	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.03
Emporia	10	Not Rated		Not Rated		Not Rated	
Eunola	10	Not Rated		Not Rated		Not Rated	
20A:							
Suffolk	85	Not limited		Very limited Cutbanks cave	1.00	Not limited	

Table ENG-4. - Building Site Development - Continued

Middlesex 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
20A:							
Rumford	7	Not Rated		Not Rated		Not Rated	
Kempsville	5	Not Rated		Not Rated		Not Rated	
Eunola	3	Not Rated		Not Rated		Not Rated	
20B:							
Suffolk	80	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Rumford	10	Not Rated		Not Rated		Not Rated	
Kempsville	7	Not Rated		Not Rated		Not Rated	
Eunola	3	Not Rated		Not Rated		Not Rated	
21D:							
Suffolk	45	Somewhat limited Slope	0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Slope	0.37
Remlik	35	Somewhat limited Slope	0.37	Very limited Cutbanks cave Slope Depth to saturated zone	1.00 0.37 0.15	Somewhat limited Slope Droughty	0.37 0.02
Craven	5	Not Rated		Not Rated		Not Rated	
Emporia	5	Not Rated		Not Rated		Not Rated	
Ochlockonee	5	Not Rated		Not Rated		Not Rated	
Bibb	3	Not Rated		Not Rated		Not Rated	
Kinston	2	Not Rated		Not Rated		Not Rated	
21F:							
Suffolk	45	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope	1.00
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 0.02
Craven	5	Not Rated		Not Rated		Not Rated	

Table ENG-4. - Building Site Development - Continued

Middlesex 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
21F:							
Emporia	5	Not Rated		Not Rated		Not Rated	
Ochlockonee	5	Not Rated		Not Rated		Not Rated	
Bibb	3	Not Rated		Not Rated		Not Rated	
Kinston	2	Not Rated		Not Rated		Not Rated	
22B:							
Udorthents	50	Not Rated		Not Rated		Not Rated	
Psamments	40	Not limited		Very limited Cutbanks cave	1.00	Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	