

## Table ENG-3. - Building Site Development

Goochland 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	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>2B:</b>							
Appling	85	Not limited		Not limited		Somewhat limited Slope	0.13
<b>3A:</b>							
Bolling	90	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding	1.00
<b>3B:</b>							
Bolling	90	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Slope	1.00 0.13
<b>4B:</b>							
Bourne	85	Somewhat limited Depth to saturated zone Depth to thick cemented pan	0.77 0.65	Very limited Depth to saturated zone Depth to thick cemented pan	1.00 1.00	Somewhat limited Depth to saturated zone Depth to thick cemented pan Slope	0.77 0.65 0.13
<b>5:</b>							
Buncombe	95	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
Frequently flooded areas	5	Not Rated		Not Rated		Not Rated	
<b>6B2:</b>							
Cecil	80	Not limited		Not limited		Somewhat limited Slope	0.13
<b>6C2:</b>							
Cecil	80	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
<b>7B:</b>							
Colfax	80	Very limited Depth to saturated zone Depth to thick cemented pan	1.00 0.99	Very limited Depth to saturated zone Depth to thick cemented pan	1.00 1.00	Very limited Depth to saturated zone Depth to thick cemented pan Slope	1.00 0.99 0.13
Forestdale	5	Not Rated		Not Rated		Not Rated	

### Table ENG-3. - Building Site Development - Continued

Goochland County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
7C:							
Colfax	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
		Depth to thick cemented pan	0.99	Depth to thick cemented pan	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Depth to thick cemented pan	0.99
Forestdale	5	Not Rated		Not Rated		Not Rated	
8B:							
Creedmoor	90	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Shrink-swell	1.00
		Depth to saturated zone	0.98	Shrink-swell	1.00	Depth to saturated zone	0.98
						Slope	0.13
8B2:							
Creedmoor	90	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Shrink-swell	1.00
		Depth to saturated zone	0.98	Shrink-swell	1.00	Depth to saturated zone	0.98
						Slope	0.13
8C:							
Creedmoor	90	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Shrink-swell	1.00
		Depth to saturated zone	0.98	Shrink-swell	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Depth to saturated zone	0.98
8C2:							
Creedmoor	90	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Shrink-swell	1.00
		Depth to saturated zone	0.98	Shrink-swell	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Depth to saturated zone	0.98
9B:							
Enon	80	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
				Depth to soft bedrock	0.46	Slope	0.13
9C2:							
Enon	80	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	0.37	Depth to soft bedrock	0.46	Slope	1.00
				Slope	0.37		
11B2:							

### Table ENG-3. - Building Site Development - Continued

Goochland County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>11B2:</b>							
Fluvanna	80	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone Shrink-swell	0.63 0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
Forestdale	3	Not Rated		Not Rated		Not Rated	
<b>11C2:</b>							
Fluvanna	80	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Depth to saturated zone Shrink-swell Slope	0.63 0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
<b>12:</b>							
Forestdale	85	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 1.00	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 1.00
<b>13A:</b>							
Fork variant	85	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 0.99 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 0.99 0.50
Roanoke	5	Not Rated		Not Rated		Not Rated	
<b>14B2:</b>							
Georgeville	80	Not limited		Not limited		Somewhat limited Slope	0.13
<b>14C2:</b>							
Georgeville	80	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
<b>15B2:</b>							
Hiwassee	80	Not limited		Not limited		Somewhat limited Slope	0.13
<b>16B2:</b>							
Louisburg	85	Not limited		Somewhat limited Depth to hard bedrock	0.61	Somewhat limited Slope	0.13
<b>16C2:</b>							
Louisburg	85	Somewhat limited Slope	0.37	Somewhat limited Depth to hard bedrock Slope	0.61 0.37	Very limited Slope	1.00

### Table ENG-3. - Building Site Development - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
16D2: Louisburg	85	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock	1.00 0.61	Very limited Slope	1.00
16E2: Louisburg	85	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock	1.00 0.61	Very limited Slope	1.00
17B2: Madison	80	Not limited		Not limited		Somewhat limited Slope	0.13
17C2: Madison	80	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
17D2: Madison	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
18B3: Madison	85	Not limited		Not limited		Somewhat limited Slope	0.13
18C3: Madison	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
18D3: Madison	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
19E3: Madison	50	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Pacolet	20	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Wedowee	10	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
21B: Masada	80	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
21C:							

### Table ENG-3. - Building Site Development - Continued

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Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>21C:</b>							
Masada	80	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
<b>22B:</b>							
Mayodan	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
<b>22C2:</b>							
Mayodan	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
<b>23:</b>							
Monacan	80	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
<b>24:</b>							
Monacan	60	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
<b>25B2:</b>							
Nason	85	Somewhat limited		Not limited		Somewhat limited	
		Shrink-swell	0.50			Shrink-swell	0.50
						Slope	0.13
<b>25C2:</b>							
Nason	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Slope	0.37	Slope	1.00
		Slope	0.37			Shrink-swell	0.50
<b>25D2:</b>							
Nason	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50			Shrink-swell	0.50
<b>26B:</b>							
Orange	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Shrink-swell	1.00
		Depth to saturated zone	1.00	Shrink-swell	1.00	Depth to saturated zone	1.00
						Slope	0.13
<b>26C:</b>							

### Table ENG-3. - Building Site Development - Continued

Goochland County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>26C:</b>							
Orange	85	Very limited Shrink-swell Depth to saturated zone Slope	1.00 1.00 0.37	Very limited Depth to saturated zone Shrink-swell Slope	1.00 1.00 1.00 0.37	Very limited Shrink-swell Slope Depth to saturated zone	1.00 1.00 1.00
<b>27B2:</b>							
Pacolet	85	Not limited		Not limited		Somewhat limited Slope	0.13
<b>27C2:</b>							
Pacolet	80	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
<b>27D2:</b>							
Pacolet	80	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
<b>28B3:</b>							
Pacolet	80	Not limited		Not limited		Somewhat limited Slope	0.13
<b>28C3:</b>							
Pacolet	80	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
<b>28D3:</b>							
Pacolet	80	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
<b>29A:</b>							
Pamunkey	95	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
<b>31C2:</b>							
Pinkston	85	Somewhat limited Slope Depth to hard bedrock	0.37 0.10	Very limited Depth to hard bedrock Slope	1.00 0.37	Very limited Slope Depth to hard bedrock	1.00 0.10
<b>31E2:</b>							
Pinkston	80	Very limited Slope Depth to hard bedrock	1.00 0.10	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.10
<b>32D2:</b>							
Pinkston	65	Very limited Slope Depth to hard bedrock	1.00 0.10	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.10

**Table ENG-3. - Building Site Development - Continued**

Goochland County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>32D2:</b>							
Mayodan	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
<b>33:</b>							
Roanoke	80	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Frequently flooded areas	5	Not Rated		Not Rated		Not Rated	
<b>34B:</b>							
Sedgefield	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Shrink-swell	1.00
		Depth to saturated zone	1.00	Shrink-swell	1.00	Depth to saturated zone	1.00
						Slope	0.13
Forestdale	5	Not Rated		Not Rated		Not Rated	
<b>34C:</b>							
Sedgefield	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Shrink-swell	1.00
		Depth to saturated zone	1.00	Shrink-swell	1.00	Depth to saturated zone	1.00
		Slope	0.04	Slope	0.04	Slope	1.00
Forestdale	5	Not Rated		Not Rated		Not Rated	
<b>35C2:</b>							
Tallapoosa variant	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
<b>35D2:</b>							
Tallapoosa variant	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
<b>35E2:</b>							
Tallapoosa variant	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
<b>36B2:</b>							
Tatum	80	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.29	Slope	0.13
<b>36C2:</b>							

## Table ENG-3. - Building Site Development - Continued

Goochland County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>36C2:</b>							
Tatum	80	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
				Depth to soft bedrock	0.29		
<b>36D2:</b>							
Tatum	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
				Depth to soft bedrock	0.29		
<b>37:</b>							
Tuckahoe	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
Wet spots	5	Not Rated		Not Rated		Not Rated	
<b>38B2:</b>							
Turbeville	80	Not limited		Somewhat limited		Somewhat limited	
				Shrink-swell	0.50	Slope	0.13
<b>38C2:</b>							
Turbeville	80	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Shrink-swell	0.50	Slope	1.00
				Slope	0.37		
<b>39B3:</b>							
Turbeville	90	Not limited		Somewhat limited		Somewhat limited	
				Shrink-swell	0.50	Slope	0.13
<b>39C3:</b>							
Turbeville	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Shrink-swell	0.50	Slope	1.00
				Slope	0.37		
<b>41:</b>							
Udorthents	85	Not Rated		Not Rated		Not Rated	
<b>42:</b>							
Udorthents	50	Not Rated		Not Rated		Not Rated	
Quarries	30	Not Rated		Not Rated		Not Rated	
<b>43B:</b>							
Vance	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
<b>43C2:</b>							

### Table ENG-3. - Building Site Development - Continued

Goochland County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
43C2:							
Vance	80	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
44B2:							
Wedowee	80	Not limited		Not limited		Somewhat limited	
						Slope	0.13
44C2:							
Wedowee	80	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
44D2:							
Wedowee	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
45B3:							
Wedowee	85	Not limited		Not limited		Somewhat limited	
						Slope	0.13
45C3:							
Wedowee	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
45D3:							
Wedowee	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
46:							
Wehadkee	80	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
47B2:							
Wilkes	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
						Slope	0.13
47C2:							
Wilkes	85	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
		Slope	0.37	Slope	0.37	Slope	1.00
47D2:							
Wilkes	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
47E2:							

### Table ENG-3. - Building Site Development - Continued

Goochland County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
47E2:							
Wilkes	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to soft bedrock	1.00
W:							
Water	100	Not Rated		Not Rated		Not Rated	