

Table ENG-3. - Building Site Development

Botetourt 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
1B: Alonzville	85	Not limited		Not limited		Somewhat limited Slope	0.13
1C: Alonzville	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
2C: Bailegap	85	Somewhat limited Slope	0.37	Somewhat limited Depth to hard bedrock Slope	0.42 0.37	Very limited Slope	1.00
3C: Bailegap	85	Somewhat limited Slope	0.37	Somewhat limited Depth to hard bedrock Slope	0.42 0.37	Very limited Slope	1.00
3D: Bailegap	85	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock	1.00 0.42	Very limited Slope	1.00
3E: Bailegap	85	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock	1.00 0.42	Very limited Slope	1.00
4C: Berks	45	Somewhat limited Slope	0.37	Somewhat limited Depth to soft bedrock Slope	0.46 0.37	Very limited Slope	1.00
Weikert	40	Somewhat limited Depth to soft bedrock Slope Shrink-swell	1.00 0.37 <0.01	Very limited Depth to soft bedrock Slope	1.00 0.37	Very limited Depth to soft bedrock Slope Shrink-swell	1.00 1.00 <0.01
4D: Berks	45	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock	1.00 0.46	Very limited Slope	1.00

Table ENG-3. - Building Site Development - Continued

Botetourt 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
4D:							
Weikert	40	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
		Shrink-swell	<0.01			Shrink-swell	<0.01
4E:							
Berks	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to soft bedrock	0.46		
Weikert	40	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
		Shrink-swell	<0.01			Shrink-swell	<0.01
5B:							
Botetourt	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
						Slope	0.13
6C:							
Botetourt	85	Somewhat limited		Very limited		Very limited	
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Depth to saturated zone	0.39
7C:							
Carbo	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Depth to hard bedrock	0.46
7D:							
Carbo	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
8C:							
Carbo	35	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Slope	1.00
		Slope	0.04	Slope	0.04	Depth to hard bedrock	0.46

Table ENG-3. - Building Site Development - Continued

Botetourt 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
8C:							
Opequon	30	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Shrink-swell	1.00	Depth to hard bedrock	1.00
		Shrink-swell	1.00	Depth to hard bedrock	1.00	Shrink-swell	1.00
		Slope	0.04	Slope	0.04	Slope	1.00
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
8E:							
Carbo	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
Opequon	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	1.00	Shrink-swell	1.00	Depth to hard bedrock	1.00
		Shrink-swell	1.00	Depth to hard bedrock	1.00	Shrink-swell	1.00
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
9C:							
Chilhowie	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to hard bedrock	0.74	Depth to hard bedrock	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Depth to hard bedrock	0.74
9D:							
Chilhowie	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to hard bedrock	0.74	Depth to hard bedrock	1.00	Depth to hard bedrock	0.74
10E:							
Chilhowie	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to hard bedrock	0.74	Depth to hard bedrock	1.00	Depth to hard bedrock	0.74
11C:							
Chiswell	45	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
Groseclose	25	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	0.37	Slope	0.37	Slope	1.00

11D:

Table ENG-3. - Building Site Development - Continued

Botetourt 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
11D:							
Chiswell	45	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
Groseclose	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
11E:							
Chiswell	45	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
Groseclose	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
12C:							
Dekalb	80	Somewhat limited		Very limited		Very limited	
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Slope	1.00
		Slope	0.04	Slope	0.04	Depth to hard bedrock	0.46
12D:							
Dekalb	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
12E:							
Dekalb	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
13E:							
Dekalb	40	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Slope	1.00	Depth to hard bedrock	0.46
Rock outcrop	40	Not Rated		Not Rated		Not Rated	
13F:							
Dekalb	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
Rock outcrop	40	Not Rated		Not Rated		Not Rated	
14A:							

Table ENG-3. - Building Site Development - Continued

Botetourt 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
14A:							
Derroc	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Content of large stones	0.92	Content of large stones	0.92	Content of large stones	0.92
15A:							
Derroc	75	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Content of large stones	0.99	Content of large stones	0.99	Content of large stones	0.99
16C:							
Edneytown	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Slope	0.04	Slope	1.00
16D:							
Edneytown	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
16E:							
Edneytown	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
17B:							
Ernest	80	Somewhat limited		Very limited		Somewhat limited	
		Depth to thick cemented pan	0.74	Depth to thick cemented pan	1.00	Depth to thick cemented pan	0.74
		Shrink-swell	0.50	Depth to saturated zone	1.00	Shrink-swell	0.50
		Depth to saturated zone	0.07	Shrink-swell	0.50	Depth to saturated zone	0.07
Wet spots	3	Not Rated		Not Rated		Not Rated	
17C:							
Ernest	85	Somewhat limited		Very limited		Very limited	
		Depth to thick cemented pan	0.74	Depth to thick cemented pan	1.00	Slope	1.00
		Shrink-swell	0.50	Depth to saturated zone	1.00	Depth to thick cemented pan	0.74
		Slope	0.37	Shrink-swell	0.50	Shrink-swell	0.50
Wet spots	3	Not Rated		Not Rated		Not Rated	
18C:							
Ernest	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to thick cemented pan	0.74	Depth to thick cemented pan	1.00	Slope	0.88
		Shrink-swell	0.50	Depth to saturated zone	1.00	Depth to thick cemented pan	0.74
		Depth to saturated zone	0.07	Shrink-swell	0.50	Shrink-swell	0.50

Table ENG-3. - Building Site Development - Continued

Botetourt 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
18C:							
Wet spots	3	Not Rated		Not Rated		Not Rated	
19B:							
Flatwoods	85	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.50	Depth to hard bedrock	1.00	Shrink-swell	0.50
		Depth to hard bedrock	0.46	Depth to saturated zone	1.00	Depth to hard bedrock	0.46
		Depth to saturated zone	0.07	Shrink-swell	0.50	Slope	0.13
19C:							
Flatwoods	80	Somewhat limited		Very limited		Very limited	
		Shrink-swell	0.50	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to saturated zone	1.00	Shrink-swell	0.50
		Slope	0.37	Shrink-swell	0.50	Depth to hard bedrock	0.46
20B:							
Frederick	90	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	1.00	Shrink-swell	0.50
						Slope	0.13
20C:							
Frederick	90	Somewhat limited		Very limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
20D:							
Frederick	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	1.00	Shrink-swell	0.50
21C:							
Frederick	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	0.37	Slope	0.37	Slope	1.00
21D:							
Frederick	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
22C:							
Frederick	85	Somewhat limited		Very limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
22D:							

Table ENG-3. - Building Site Development - Continued

Botetourt 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
22D:							
Frederick	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	1.00	Shrink-swell	0.50
22E:							
Frederick	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	1.00	Shrink-swell	0.50
23C:							
Frederick	75	Somewhat limited		Very limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
23D:							
Frederick	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	1.00	Shrink-swell	0.50
24C:							
Frederick	80	Somewhat limited		Very limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.50
24D:							
Frederick	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	1.00	Shrink-swell	0.50
25C:							
Frederick	55	Somewhat limited		Very limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	1.00	Slope	1.00
		Slope	0.04	Slope	0.04	Shrink-swell	0.50
Urban land	40	Not Rated		Not Rated		Not Rated	
25D:							
Frederick	55	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	1.00	Shrink-swell	0.50
Urban land	40	Not Rated		Not Rated		Not Rated	
26C:							
Gilpin	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Depth to soft bedrock	0.46	Slope	1.00
				Slope	0.37		
27A:							

Table ENG-3. - Building Site Development - Continued

Botetourt 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
27A:							
Gladehill	80	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
28B:							
Groseclose	80	Very limited Shrink-swell	1.00	Very limited Shrink-swell	1.00	Very limited Shrink-swell Slope	1.00 0.13
28C:							
Groseclose	80	Very limited Shrink-swell Slope	1.00 0.37	Very limited Shrink-swell Slope	1.00 0.37	Very limited Shrink-swell Slope	1.00 1.00
28D:							
Groseclose	80	Very limited Slope Shrink-swell	1.00 1.00	Very limited Slope Shrink-swell	1.00 1.00	Very limited Slope Shrink-swell	1.00 1.00
29C:							
Groseclose	80	Very limited Shrink-swell Slope	1.00 0.37	Very limited Shrink-swell Slope	1.00 0.37	Very limited Shrink-swell Slope	1.00 1.00
29D:							
Groseclose	75	Very limited Slope Shrink-swell	1.00 1.00	Very limited Slope Shrink-swell	1.00 1.00	Very limited Slope Shrink-swell	1.00 1.00
30C:							
Groseclose	50	Very limited Shrink-swell Slope	1.00 0.37	Very limited Shrink-swell Slope	1.00 0.37	Very limited Shrink-swell Slope	1.00 1.00
Litz	35	Somewhat limited Slope	0.37	Somewhat limited Depth to soft bedrock Slope	0.46 0.37	Very limited Slope	1.00
30D:							
Groseclose	50	Very limited Slope Shrink-swell	1.00 1.00	Very limited Slope Shrink-swell	1.00 1.00	Very limited Slope Shrink-swell	1.00 1.00
Litz	35	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock	1.00 0.46	Very limited Slope	1.00
30E:							

Table ENG-3. - Building Site Development - Continued

Botetourt 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
30E:							
Groseclose	45	Very limited Slope Shrink-swell	1.00 1.00	Very limited Slope Shrink-swell	1.00 1.00	Very limited Slope Shrink-swell	1.00 1.00
Litz	35	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock	1.00 0.46	Very limited Slope	1.00
31C:							
Hayesville	80	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
31D:							
Hayesville	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
32A:							
Irongate	85	Very limited Flooding Depth to saturated zone	1.00 0.07	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 0.07
33B:							
Laidig	85	Somewhat limited Depth to thick cemented pan	0.29	Very limited Depth to thick cemented pan Depth to saturated zone	1.00 0.90	Somewhat limited Depth to thick cemented pan Slope	0.29 0.13
33C:							
Laidig	85	Somewhat limited Slope Depth to thick cemented pan	0.37 0.29	Very limited Depth to thick cemented pan Depth to saturated zone Slope	1.00 0.90 0.37	Very limited Slope Depth to thick cemented pan	1.00 0.29
34B:							
Laidig	80	Somewhat limited Depth to thick cemented pan	0.29	Very limited Depth to thick cemented pan Depth to saturated zone	1.00 0.90	Somewhat limited Depth to thick cemented pan Slope	0.29 0.13
34C:							

Table ENG-3. - Building Site Development - Continued

Botetourt 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
34C:							
Laidig	80	Somewhat limited		Very limited		Very limited	
		Slope	0.37	Depth to thick cemented pan	1.00	Slope	1.00
		Depth to thick cemented pan	0.29	Depth to saturated zone	0.90	Depth to thick cemented pan	0.29
				Slope	0.37		
34D:							
Laidig	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to thick cemented pan	0.29	Depth to thick cemented pan	1.00	Depth to thick cemented pan	0.29
				Depth to saturated zone	0.90		
35C:							
Laidig	80	Somewhat limited		Very limited		Very limited	
		Depth to thick cemented pan	0.29	Depth to thick cemented pan	1.00	Slope	1.00
		Slope	0.04	Depth to saturated zone	0.90	Depth to thick cemented pan	0.29
				Slope	0.04		
35D:							
Laidig	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to thick cemented pan	0.29	Depth to thick cemented pan	1.00	Depth to thick cemented pan	0.29
				Depth to saturated zone	0.90		
35E:							
Laidig	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to thick cemented pan	0.29	Depth to thick cemented pan	1.00	Depth to thick cemented pan	0.29
				Depth to saturated zone	0.90		
36D:							
Lehew	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.35	Depth to hard bedrock	1.00	Depth to hard bedrock	0.35
		Content of large stones	0.05	Content of large stones	0.05	Content of large stones	0.05
36E:							
Dekalb	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46

Table ENG-3. - Building Site Development - Continued

Botetourt 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
36E:							
Lehew	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.35	Depth to hard bedrock	1.00	Depth to hard bedrock	0.35
		Content of large stones	0.05	Content of large stones	0.05	Content of large stones	0.05
Dekalb	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
37C:							
Lily	80	Somewhat limited		Very limited		Very limited	
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Slope	1.00
		Slope	0.04	Slope	0.04	Depth to hard bedrock	0.46
37D:							
Lily	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
37E:							
Lily	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
38A:							
Lindside	80	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.07	Depth to saturated zone	1.00	Depth to saturated zone	0.07
39A:							
Massanetta	80	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
				Depth to saturated zone	0.99		
40B:							
Moomaw	80	Very limited		Very limited		Very limited	
		Content of large stones	1.00	Depth to thick cemented pan	1.00	Content of large stones	1.00
		Depth to thick cemented pan	0.99	Depth to saturated zone	1.00	Depth to thick cemented pan	0.99
		Depth to saturated zone	0.07	Content of large stones	1.00	Slope	0.13
40C:							

Table ENG-3. - Building Site Development - Continued

Botetourt 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
40C:							
Moomaw	80	Very limited		Very limited		Very limited	
		Content of large stones	1.00	Depth to thick cemented pan	1.00	Slope	1.00
		Depth to thick cemented pan	0.99	Depth to saturated zone	1.00	Content of large stones	1.00
		Slope	0.37	Content of large stones	1.00	Depth to thick cemented pan	0.99
41C:							
Oriskany	85	Very limited		Very limited		Very limited	
		Content of large stones	1.00	Content of large stones	1.00	Content of large stones	1.00
		Slope	0.04	Slope	0.04	Slope	1.00
41D:							
Oriskany	85	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
42E:							
Oriskany	75	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
43E:							
Peaks	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
43F:							
Peaks	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
44:							
Pits	85	Not Rated		Not Rated		Not Rated	
45A:							
Purdy	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
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
46F:							
Rock outcrop	60	Not Rated		Not Rated		Not Rated	
Opequon	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	1.00	Shrink-swell	1.00	Depth to hard bedrock	1.00
		Shrink-swell	1.00	Depth to hard bedrock	1.00	Shrink-swell	1.00

Table ENG-3. - Building Site Development - Continued

Botetourt 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
47C:							
Rushtown	85	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
48C:							
Sequoia	85	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Depth to soft bedrock Slope	0.50 0.46 0.37	Very limited Slope Shrink-swell	1.00 0.50
48D:							
Sequoia	75	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell Depth to soft bedrock	1.00 0.50 0.46	Very limited Slope Shrink-swell	1.00 0.50
49C:							
Shelocta	80	Somewhat limited Slope	0.37	Very limited Depth to hard bedrock Slope	1.00 0.37	Very limited Slope	1.00
49D:							
Shelocta	85	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope	1.00
50B:							
Shottower	80	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
50C:							
Shottower	80	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
51C:							
Shottower	75	Somewhat limited Shrink-swell Slope	0.50 0.37	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Slope Shrink-swell	1.00 0.50
51D:							
Shottower	75	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50
52C:							
Thurmont	80	Not Rated		Not Rated		Not Rated	
52D:							

Table ENG-3. - Building Site Development - Continued

Botetourt 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
52D: Thurmont	80	Not Rated		Not Rated		Not Rated	
53B: Timberville	80	Not limited		Not limited		Not limited	
54A: Toms	85	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 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 0.50
55B: Tumbling	85	Not limited		Not limited		Somewhat limited Slope	0.13
55C: Tumbling	80	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
55D: Tumbling	80	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
56C: Tumbling	80	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
56D: Tumbling	75	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
57C: Tumbling	80	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
57D: Tumbling	75	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
58C: Tumbling	40	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
Urban land	25	Not Rated		Not Rated		Not Rated	
59B:							

Table ENG-3. - Building Site Development - Continued

Botetourt 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
59B:							
Tygart	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
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
60:							
Udorthents	85	Not Rated		Not Rated		Not Rated	
61:							
Udorthents	60	Not Rated		Not Rated		Not Rated	
Urban land	40	Not Rated		Not Rated		Not Rated	
62F:							
Weikert	60	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
		Shrink-swell	<0.01	Shrink-swell	<0.01	Shrink-swell	<0.01
Rock outcrop	25	Not Rated		Not Rated		Not Rated	
63A:							
Wolfgap	80	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Shrink-swell	<0.01	Shrink-swell	<0.01	Shrink-swell	<0.01
64A:							
Wolfgap	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Shrink-swell	<0.01	Shrink-swell	<0.01	Shrink-swell	<0.01
64B:							
Wolfgap	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Shrink-swell	<0.01	Shrink-swell	<0.01	Shrink-swell	<0.01
65B:							
Zoar	85	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.78	Depth to saturated zone	1.00	Shrink-swell	0.78
		Depth to saturated zone	0.39	Shrink-swell	0.78	Depth to saturated zone	0.39
						Slope	0.13
W:							
Water	100	Not Rated		Not Rated		Not Rated	