

Table ENG-3. - Building Site Development

Roanoke County and the Cities of Roanoke and Salem, 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
1A:							
Alderflats	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
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
2B:							
Allegheny	75	Somewhat limited		Not limited		Somewhat limited	
		Shrink-swell	<0.01			Slope	0.13
						Shrink-swell	<0.01
2C:							
Allegheny	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
		Shrink-swell	<0.01			Shrink-swell	<0.01
3C3:							
Chilhowie	75	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Slope	0.37	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.16	Slope	0.37	Depth to hard bedrock	0.16
3D3:							
Chilhowie	80	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	0.16	Depth to hard bedrock	1.00	Depth to hard bedrock	0.16
3E3:							
Chilhowie	70	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	0.16	Depth to hard bedrock	1.00	Depth to hard bedrock	0.16
4E:							
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	0.16	Depth to hard bedrock	1.00	Depth to hard bedrock	0.16
5C:							
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

Table ENG-3. - Building Site Development - Continued

Roanoke County and the Cities of Roanoke and Salem, 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
5C:							
Litz	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Depth to soft bedrock	0.46	Slope	1.00
		Shrink-swell	<0.01	Slope	0.37	Shrink-swell	<0.01
5D:							
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
Litz	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	<0.01	Depth to soft bedrock	0.46	Shrink-swell	<0.01
5E:							
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
Litz	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	<0.01	Depth to soft bedrock	0.46	Shrink-swell	<0.01
6C:							
Chiswell	35	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	0.04	Slope	0.04	Slope	1.00
Litz	25	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Depth to soft bedrock	0.46	Slope	1.00
		Shrink-swell	<0.01	Slope	0.04	Shrink-swell	<0.01
Urban land	20	Not Rated		Not Rated		Not Rated	
6D:							
Chiswell	35	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
Litz	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	<0.01	Depth to soft bedrock	0.46	Shrink-swell	<0.01
Urban land	20	Not Rated		Not Rated		Not Rated	
7A:							

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
7A:							
Clubcaf	75	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	0.06	Shrink-swell	0.06	Shrink-swell	0.06
8A:							
Combs	75	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
Clubcaf	5	Not Rated		Not Rated		Not Rated	
9B:							
Cotaco	75	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
		Shrink-swell	<0.01			Slope	0.13
						Shrink-swell	<0.01
Purdy	3	Not Rated		Not Rated		Not Rated	
9C:							
Cotaco	80	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
		Shrink-swell	<0.01			Shrink-swell	<0.01
Purdy	3	Not Rated		Not Rated		Not Rated	
10D:							
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
11C:							
Dekalb	80	Somewhat limited		Very limited		Very limited	
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Slope	1.00
		Slope	0.37	Slope	0.37	Depth to hard bedrock	0.46
11D:							
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
11E:							
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

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
11F:							
Dekalb	75	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
12F:							
Dekalb	55	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	20	Not Rated		Not Rated		Not Rated	
13A:							
Derroc	75	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Content of large stones	0.87	Content of large stones	0.87	Content of large stones	0.87
Clubcaf	3	Not Rated		Not Rated		Not Rated	
14:							
Dumps	85	Not Rated		Not Rated		Not Rated	
15C:							
Edgemont	75	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
		Shrink-swell	0.06	Shrink-swell	0.06	Shrink-swell	0.06
15D:							
Edgemont	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.06	Shrink-swell	0.06	Shrink-swell	0.06
15E:							
Edgemont	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.06	Shrink-swell	0.06	Shrink-swell	0.06
16B:							
Edneyville	80	Not limited		Not limited		Somewhat limited	
						Slope	0.13
16C:							
Edneyville	80	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
16D:							
Edneyville	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
16E:							

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
16E: Edneyville	80	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
17C: Evard	75	Somewhat limited Slope Shrink-swell	0.37 0.06	Somewhat limited Slope	0.37	Very limited Slope Shrink-swell	1.00 0.06
17D: Evard	75	Very limited Slope Shrink-swell	1.00 0.06	Very limited Slope	1.00	Very limited Slope Shrink-swell	1.00 0.06
17E: Evard	75	Very limited Slope Shrink-swell	1.00 0.06	Very limited Slope	1.00	Very limited Slope Shrink-swell	1.00 0.06
18B: Frederick	80	Very limited Shrink-swell	1.00	Very limited Shrink-swell	1.00	Very limited Shrink-swell Slope	1.00 0.13
18C: Frederick	80	Very limited Shrink-swell Slope	1.00 0.37	Very limited Shrink-swell Slope	1.00 0.37	Very limited Slope Shrink-swell	1.00 1.00
18D: Frederick	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
19C: Frederick	80	Very limited Shrink-swell Slope	1.00 0.37	Very limited Shrink-swell Slope	1.00 0.37	Very limited Slope Shrink-swell	1.00 1.00
19D: Frederick	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
19E: Frederick	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
20C:							

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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
20C:							
Frederick	80	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Slope	1.00
		Slope	0.04	Slope	0.04	Shrink-swell	1.00
20E:							
Frederick	80	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
21C:							
Frederick	45	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Slope	1.00
		Slope	0.04	Slope	0.04	Shrink-swell	1.00
Urban land	35	Not Rated		Not Rated		Not Rated	
21D:							
Frederick	45	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
Urban land	35	Not Rated		Not Rated		Not Rated	
22C:							
Gilpin	75	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Depth to soft bedrock	0.46	Slope	1.00
		Shrink-swell	0.06	Slope	0.37	Shrink-swell	0.06
				Shrink-swell	0.06		
22D:							
Gilpin	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.06	Depth to soft bedrock	0.46	Shrink-swell	0.06
				Shrink-swell	0.06		
23C:							
Grimsley	75	Somewhat limited		Somewhat limited		Very limited	
		Content of large stones	0.70	Content of large stones	0.70	Slope	1.00
		Slope	0.37	Slope	0.37	Content of large stones	0.70
		Shrink-swell	<0.01			Shrink-swell	<0.01
24C:							
Groseclose	80	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.94	Shrink-swell	0.94	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.94
24D:							

Table ENG-3. - Building Site Development - Continued

Roanoke County and the Cities of Roanoke and Salem, 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
24D:							
Groseclose	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.94	Shrink-swell	0.94	Shrink-swell	0.94
24E:							
Groseclose	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.94	Shrink-swell	0.94	Shrink-swell	0.94
25C:							
Groseclose	45	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.94	Shrink-swell	0.94	Slope	1.00
		Slope	0.04	Slope	0.04	Shrink-swell	0.94
Litz	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.04	Depth to soft bedrock	0.46	Slope	1.00
		Shrink-swell	<0.01	Slope	0.04	Shrink-swell	<0.01
25D:							
Groseclose	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.94	Shrink-swell	0.94	Shrink-swell	0.94
Litz	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	<0.01	Depth to soft bedrock	0.46	Shrink-swell	<0.01
25E:							
Groseclose	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.94	Shrink-swell	0.94	Shrink-swell	0.94
Litz	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	<0.01	Depth to soft bedrock	0.46	Shrink-swell	<0.01
26B:							
Hayesville	80	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
26C:							
Hayesville	75	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
26D:							

Table ENG-3. - Building Site Development - Continued

Roanoke County and the Cities of Roanoke and Salem, 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
26D:							
Hayesville	75	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
27C:							
Hayesville	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
27D:							
Hayesville	75	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
28E:							
Hayesville	75	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
29C:							
Hayesville	45	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Slope	1.00
		Slope	0.16	Slope	0.16	Shrink-swell	0.50
Urban land	30	Not Rated		Not Rated		Not Rated	
29D:							
Hayesville	45	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
Urban land	30	Not Rated		Not Rated		Not Rated	
30C:							
Laidig	75	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
		Shrink-swell	0.06	Slope	0.37	Shrink-swell	0.06
30D:							
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
		Shrink-swell	0.06	Depth to saturated zone	0.90	Shrink-swell	0.06

31D:

Table ENG-3. - Building Site Development - Continued

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
31D:							
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
		Shrink-swell	0.06	Depth to saturated zone	0.90	Shrink-swell	0.06
32B:							
Macove	75	Not limited		Not limited		Somewhat limited	
						Slope	0.13
32C:							
Macove	75	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
33E:							
Opequon	55	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to hard bedrock	1.00
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
Rock outcrop	30	Not Rated		Not Rated		Not Rated	
34E:							
Peaks	75	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
34F:							
Peaks	75	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
35:							
Pits	85	Not Rated		Not Rated		Not Rated	
36A:							
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	0.78	Shrink-swell	0.78	Shrink-swell	0.78
37B:							
Sequoia	75	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.94	Shrink-swell	0.94	Shrink-swell	0.94
				Depth to soft bedrock	0.46	Slope	0.13
37C:							

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
37C:							
Sequoia	75	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.94	Shrink-swell	0.94	Slope	1.00
		Slope	0.37	Depth to soft bedrock	0.46	Shrink-swell	0.94
				Slope	0.37		
37D:							
Sequoia	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.94	Shrink-swell	0.94	Shrink-swell	0.94
				Depth to soft bedrock	0.46		
37E:							
Sequoia	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.94	Shrink-swell	0.94	Shrink-swell	0.94
				Depth to soft bedrock	0.46		
38B:							
Shelocta	80	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.06	Depth to hard bedrock	1.00	Slope	0.13
				Shrink-swell	0.06	Shrink-swell	0.06
38C:							
Shelocta	80	Somewhat limited		Very limited		Very limited	
		Slope	0.37	Depth to hard bedrock	1.00	Slope	1.00
		Shrink-swell	0.06	Slope	0.37	Shrink-swell	0.06
				Shrink-swell	0.06		
38D:							
Shelocta	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.06	Depth to hard bedrock	1.00	Shrink-swell	0.06
				Shrink-swell	0.06		
39B:							
Shottower	80	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	1.00	Shrink-swell	0.50
						Slope	0.13
39C:							
Shottower	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
40C:							
Shottower	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
40D:							

Table ENG-3. - Building Site Development - Continued

Roanoke County and the Cities of Roanoke and Salem, 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
40D:							
Shottower	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
41C:							
Shottower	40	Somewhat limited		Very limited		Very limited	
		Slope	0.84	Shrink-swell	1.00	Slope	1.00
		Shrink-swell	0.50	Slope	0.84	Shrink-swell	0.50
Urban land	35	Not Rated		Not Rated		Not Rated	
41D:							
Shottower	40	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	35	Not Rated		Not Rated		Not Rated	
42A:							
Sindion	75	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
		Shrink-swell	<0.01			Shrink-swell	<0.01
Clubcaf	5	Not Rated		Not Rated		Not Rated	
43A:							
Speedwell	75	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Shrink-swell	<0.01			Shrink-swell	<0.01
Clubcaf	5	Not Rated		Not Rated		Not Rated	
44A:							
Speedwell	40	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Shrink-swell	<0.01			Shrink-swell	<0.01
Urban land	35	Not Rated		Not Rated		Not Rated	
Clubcaf	5	Not Rated		Not Rated		Not Rated	
45C:							
Spessard	75	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00
45D:							
Spessard	75	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00

Table ENG-3. - Building Site Development - Continued

Roanoke County and the Cities of Roanoke and Salem, 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
45E: Spessard	75	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
46E: Sylvatus	75	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 1.00
46F: Sylvatus	75	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 1.00
47B: Thurmont	80	Somewhat limited Shrink-swell	0.06	Somewhat limited Depth to saturated zone Shrink-swell	0.15 0.06	Somewhat limited Slope Shrink-swell	0.13 0.06
47C: Thurmont	80	Somewhat limited Slope Shrink-swell	0.37 0.06	Somewhat limited Slope Depth to saturated zone Shrink-swell	0.37 0.15 0.06	Very limited Slope Shrink-swell	1.00 0.06
48B: Timberville	80	Somewhat limited Shrink-swell	0.06	Somewhat limited Shrink-swell	0.94	Somewhat limited Slope Shrink-swell	0.13 0.06
49B: Tumbling	80	Somewhat limited Shrink-swell	0.78	Somewhat limited Shrink-swell	0.78	Somewhat limited Shrink-swell Slope	0.78 0.13
49C: Tumbling	80	Somewhat limited Shrink-swell Slope	0.78 0.37	Somewhat limited Shrink-swell Slope	0.78 0.37	Very limited Slope Shrink-swell	1.00 0.78
49D: Tumbling	80	Very limited Slope Shrink-swell	1.00 0.78	Very limited Slope Shrink-swell	1.00 0.78	Very limited Slope Shrink-swell	1.00 0.78
50C:							

Table ENG-3. - Building Site Development - Continued

Roanoke County and the Cities of Roanoke and Salem, 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
50C:							
Tumbling	80	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.78	Shrink-swell	0.78	Slope	1.00
		Slope	0.37	Slope	0.37	Shrink-swell	0.78
50D:							
Tumbling	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.78	Shrink-swell	0.78	Shrink-swell	0.78
50E:							
Tumbling	80	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell	0.78	Shrink-swell	0.78	Shrink-swell	0.78
51C:							
Tumbling	40	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.78	Shrink-swell	0.78	Slope	1.00
		Slope	0.04	Slope	0.04	Shrink-swell	0.78
Urban land	35	Not Rated		Not Rated		Not Rated	
52:							
Udorthents	60	Not Rated		Not Rated		Not Rated	
Urban land	25	Not Rated		Not Rated		Not Rated	
53:							
Urban land	80	Not Rated		Not Rated		Not Rated	
Wet Spots	3	Not Rated		Not Rated		Not Rated	
54C:							
Weikert	45	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to hard bedrock	1.00
		Slope	0.37	Slope	0.37	Slope	1.00
		Shrink-swell	<0.01			Shrink-swell	<0.01
Berks	30	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Depth to soft bedrock	0.46	Slope	1.00
				Slope	0.37		
54E:							
Weikert	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Depth to hard bedrock	1.00
		Shrink-swell	<0.01			Shrink-swell	<0.01

Table ENG-3. - Building Site Development - Continued

Roanoke County and the Cities of Roanoke and Salem, 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
54E:							
Berks	30	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock	1.00 0.46	Very limited Slope	1.00
55F:							
Weikert	65	Very limited Slope Depth to hard bedrock Shrink-swell	1.00 1.00 <0.01	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock Shrink-swell	1.00 1.00 <0.01
Rock outcrop	25	Not Rated		Not Rated		Not Rated	
56A:							
Wheeling	80	Very limited Flooding Shrink-swell	1.00 <0.01	Very limited Flooding	1.00	Very limited Flooding Shrink-swell	1.00 <0.01
56B:							
Wheeling	80	Very limited Flooding Shrink-swell	1.00 <0.01	Very limited Flooding	1.00	Very limited Flooding Slope Shrink-swell	1.00 0.13 <0.01
57A:							
Wheeling	40	Very limited Flooding Shrink-swell	1.00 <0.01	Very limited Flooding	1.00	Very limited Flooding Shrink-swell	1.00 <0.01
Urban land	25	Not Rated		Not Rated		Not Rated	
58B:							
Zoar	75	Somewhat limited Shrink-swell Depth to saturated zone	0.78 0.39	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Somewhat limited Shrink-swell Depth to saturated zone Slope	0.78 0.39 0.13
Purdy	5	Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	