

## Table ENG-3. - Building Site Development

Dinwiddie Area, 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>1A:</b>							
Altavista	85	Very limited Flooding Depth to saturated zone	1.00 0.39	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 0.39
State	8	Not Rated		Not Rated		Not Rated	
Roanoke	7	Not Rated		Not Rated		Not Rated	
<b>1B:</b>							
Altavista	85	Very limited Flooding Depth to saturated zone	1.00 0.39	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 0.39
State	8	Not Rated		Not Rated		Not Rated	
Roanoke	7	Not Rated		Not Rated		Not Rated	
<b>2B:</b>							
Appling	85	Not limited		Not limited		Somewhat limited Slope	0.13
Cecil	5	Not Rated		Not Rated		Not Rated	
Helena	4	Not Rated		Not Rated		Not Rated	
Mattaponi	3	Not Rated		Not Rated		Not Rated	
Roanoke	3	Not Rated		Not Rated		Not Rated	
<b>2C:</b>							
Appling	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Cecil	5	Not Rated		Not Rated		Not Rated	
Helena	4	Not Rated		Not Rated		Not Rated	
Mattaponi	3	Not Rated		Not Rated		Not Rated	
Roanoke	3	Not Rated		Not Rated		Not Rated	
<b>2D:</b>							
Appling	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00

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

Dinwiddie Area, 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>2D:</b>							
Cecil	5	Not Rated		Not Rated		Not Rated	
Helena	4	Not Rated		Not Rated		Not Rated	
Mattaponi	3	Not Rated		Not Rated		Not Rated	
Roanoke	3	Not Rated		Not Rated		Not Rated	
<b>3B:</b>							
Appling	45	Not limited		Not limited		Not limited	
Urban land	40	Not Rated		Not Rated		Not Rated	
Udorthents	5	Not Rated		Not Rated		Not Rated	
Cecil	3	Not Rated		Not Rated		Not Rated	
Roanoke	3	Not Rated		Not Rated		Not Rated	
Helena	2	Not Rated		Not Rated		Not Rated	
Mattaponi	2	Not Rated		Not Rated		Not Rated	
<b>3C:</b>							
Appling	45	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Urban land	40	Not Rated		Not Rated		Not Rated	
Udorthents	5	Not Rated		Not Rated		Not Rated	
Cecil	3	Not Rated		Not Rated		Not Rated	
Roanoke	3	Not Rated		Not Rated		Not Rated	
Helena	2	Not Rated		Not Rated		Not Rated	
Mattaponi	2	Not Rated		Not Rated		Not Rated	
<b>4B:</b>							
Cecil	85	Not limited		Not limited		Somewhat limited Slope	0.13
Appling	5	Not Rated		Not Rated		Not Rated	
Helena	5	Not Rated		Not Rated		Not Rated	
Mattaponi	4	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
<b>4B3:</b>							

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

Dinwiddie Area, 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>4B3:</b>							
Cecil	85	Not limited		Not limited		Somewhat limited Slope	0.13
Appling	5	Not Rated		Not Rated		Not Rated	
Helena	5	Not Rated		Not Rated		Not Rated	
Mattaponi	4	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
<b>4C:</b>							
Cecil	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Appling	5	Not Rated		Not Rated		Not Rated	
Helena	5	Not Rated		Not Rated		Not Rated	
Mattaponi	4	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
<b>4D:</b>							
Cecil	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Appling	5	Not Rated		Not Rated		Not Rated	
Helena	5	Not Rated		Not Rated		Not Rated	
Mattaponi	4	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
<b>5A:</b>							
Emporia	85	Not limited		Somewhat limited Depth to saturated zone Shrink-swell	0.72 0.50	Not limited	
Slagle	9	Not Rated		Not Rated		Not Rated	
Mattaponi	3	Not Rated		Not Rated		Not Rated	
Uchee	2	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	

5B:

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

Dinwiddie Area, 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>5B:</b>							
Emporia	85	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone	0.72		
				Shrink-swell	0.50		
Slagle	9	Not Rated		Not Rated		Not Rated	
Mattaponi	3	Not Rated		Not Rated		Not Rated	
Uchee	2	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
<b>5C:</b>							
Emporia	85	Not limited		Somewhat limited		Very limited	
				Depth to saturated zone	0.72	Slope	1.00
				Shrink-swell	0.50		
Slagle	9	Not Rated		Not Rated		Not Rated	
Mattaponi	3	Not Rated		Not Rated		Not Rated	
Uchee	2	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
<b>6D:</b>							
Emporia	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
				Depth to saturated zone	0.72		
				Shrink-swell	0.50		
Slagle	30	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to saturated zone	1.00	Slope	1.00
		Depth to saturated zone	0.91	Slope	1.00	Depth to saturated zone	0.91
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Mattaponi	9	Not Rated		Not Rated		Not Rated	
Roanoke	8	Not Rated		Not Rated		Not Rated	
Uchee	8	Not Rated		Not Rated		Not Rated	
<b>7B:</b>							
Emporia	40	Not limited		Somewhat limited		Not limited	
				Depth to saturated zone	0.72		
				Shrink-swell	0.50		

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

Dinwiddie Area, 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
7B:							
Urban land	40	Not Rated		Not Rated		Not Rated	
Slagle	9	Not Rated		Not Rated		Not Rated	
Mattaponi	5	Not Rated		Not Rated		Not Rated	
Uchee	5	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
8B:							
Georgeville	85	Not limited		Not limited		Somewhat limited Slope	0.13
Helena	5	Not Rated		Not Rated		Not Rated	
Herndon	5	Not Rated		Not Rated		Not Rated	
Mattaponi	4	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
8B3:							
Georgeville	85	Not limited		Not limited		Somewhat limited Slope	0.13
Helena	5	Not Rated		Not Rated		Not Rated	
Herndon	5	Not Rated		Not Rated		Not Rated	
Mattaponi	4	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
8C:							
Georgeville	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Helena	5	Not Rated		Not Rated		Not Rated	
Herndon	5	Not Rated		Not Rated		Not Rated	
Mattaponi	4	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
8C3:							
Georgeville	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Helena	5	Not Rated		Not Rated		Not Rated	

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

Dinwiddie Area, 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
8C3:							
Herndon	5	Not Rated		Not Rated		Not Rated	
Mattaponi	4	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
8D:							
Georgeville	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Helena	5	Not Rated		Not Rated		Not Rated	
Herndon	5	Not Rated		Not Rated		Not Rated	
Mattaponi	4	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
9B:							
Helena	85	Very limited Shrink-swell Depth to saturated zone	1.00 0.39	Very limited Shrink-swell Depth to saturated zone	1.00 1.00	Very limited Shrink-swell Depth to saturated zone Slope	1.00 0.39 0.13
Appling	5	Not Rated		Not Rated		Not Rated	
Herndon	5	Not Rated		Not Rated		Not Rated	
Iredell	4	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
9C:							
Helena	85	Very limited Shrink-swell Depth to saturated zone Slope	1.00 0.39 0.37	Very limited Shrink-swell Depth to saturated zone Slope	1.00 1.00 0.37	Very limited Shrink-swell Slope Depth to saturated zone	1.00 1.00 0.39
Appling	5	Not Rated		Not Rated		Not Rated	
Herndon	5	Not Rated		Not Rated		Not Rated	
Iredell	4	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
10B:							
Herndon	85	Not limited		Not limited		Somewhat limited Slope	0.13

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

Dinwiddie Area, 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
10B:							
Georgeville	5	Not Rated		Not Rated		Not Rated	
Helena	5	Not Rated		Not Rated		Not Rated	
Iredell	4	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
10C:							
Herndon	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Georgeville	5	Not Rated		Not Rated		Not Rated	
Helena	5	Not Rated		Not Rated		Not Rated	
Iredell	4	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
11B:							
Iredell	85	Very limited Shrink-swell Depth to saturated zone	1.00 0.98	Very limited Depth to saturated zone Shrink-swell	1.00 1.00	Very limited Shrink-swell Depth to saturated zone Slope	1.00 0.98 0.13
Helena	5	Not Rated		Not Rated		Not Rated	
Herndon	5	Not Rated		Not Rated		Not Rated	
Georgeville	3	Not Rated		Not Rated		Not Rated	
Roanoke	2	Not Rated		Not Rated		Not Rated	
11C:							
Iredell	85	Very limited Shrink-swell Depth to saturated zone Slope	1.00 0.98 0.37	Very limited Depth to saturated zone Shrink-swell Slope	1.00 1.00 0.37	Very limited Shrink-swell Slope Depth to saturated zone	1.00 1.00 0.98
Helena	5	Not Rated		Not Rated		Not Rated	
Herndon	5	Not Rated		Not Rated		Not Rated	
Georgeville	3	Not Rated		Not Rated		Not Rated	
Roanoke	2	Not Rated		Not Rated		Not Rated	
12A:							

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

Dinwiddie Area, 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>12A:</b>							
Mattaponi	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.35	Somewhat limited Shrink-swell	0.50
Emporia	7	Not Rated		Not Rated		Not Rated	
Slagle	7	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
<b>12B:</b>							
Mattaponi	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.35	Somewhat limited Shrink-swell	0.50
Emporia	7	Not Rated		Not Rated		Not Rated	
Slagle	7	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
<b>12C:</b>							
Mattaponi	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.35	Very limited Slope Shrink-swell	1.00 0.50
Emporia	7	Not Rated		Not Rated		Not Rated	
Slagle	7	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
<b>13B:</b>							
Mattaponi	60	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.35	Somewhat limited Shrink-swell	0.50
Urban land	40	Not Rated		Not Rated		Not Rated	
<b>14A:</b>							
Myatt	85	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00
Roanoke	5	Not Rated		Not Rated		Not Rated	

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

Dinwiddie Area, 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>14A:</b>							
Slagle	5	Not Rated		Not Rated		Not Rated	
Uchee	5	Not Rated		Not Rated		Not Rated	
<b>15B:</b>							
Nansemond	85	Somewhat limited Depth to saturated zone	0.39	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.39
Altavista	3	Not Rated		Not Rated		Not Rated	
Emporia	3	Not Rated		Not Rated		Not Rated	
Mattaponi	3	Not Rated		Not Rated		Not Rated	
Roanoke	3	Not Rated		Not Rated		Not Rated	
Slagle	3	Not Rated		Not Rated		Not Rated	
<b>15C:</b>							
Nansemond	85	Somewhat limited Depth to saturated zone	0.39	Very limited Depth to saturated zone	1.00	Very limited Slope Depth to saturated zone	1.00 0.39
Altavista	3	Not Rated		Not Rated		Not Rated	
Emporia	3	Not Rated		Not Rated		Not Rated	
Slagle	3	Not Rated		Not Rated		Not Rated	
Mattaponi	2	Not Rated		Not Rated		Not Rated	
Roanoke	2	Not Rated		Not Rated		Not Rated	
State	2	Not Rated		Not Rated		Not Rated	
<b>16A:</b>							
Roanoke	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
Altavista	3	Not Rated		Not Rated		Not Rated	
Helena	3	Not Rated		Not Rated		Not Rated	
Myatt	3	Not Rated		Not Rated		Not Rated	
Nansemond	3	Not Rated		Not Rated		Not Rated	

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

Dinwiddie Area, 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
16A:							
Slagle	3	Not Rated		Not Rated		Not Rated	
17A:							
Slagle	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.91	Depth to saturated zone	1.00	Depth to saturated zone	0.91
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Emporia	8	Not Rated		Not Rated		Not Rated	
Mattaponi	3	Not Rated		Not Rated		Not Rated	
Myatt	2	Not Rated		Not Rated		Not Rated	
Roanoke	2	Not Rated		Not Rated		Not Rated	
17B:							
Slagle	85	Somewhat limited		Very limited		Somewhat limited	
		Depth to saturated zone	0.91	Depth to saturated zone	1.00	Depth to saturated zone	0.91
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Emporia	8	Not Rated		Not Rated		Not Rated	
Mattaponi	3	Not Rated		Not Rated		Not Rated	
Myatt	2	Not Rated		Not Rated		Not Rated	
Roanoke	2	Not Rated		Not Rated		Not Rated	
17C:							
Slagle	85	Somewhat limited		Very limited		Very limited	
		Depth to saturated zone	0.91	Depth to saturated zone	1.00	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Depth to saturated zone	0.91
						Shrink-swell	0.50
Emporia	8	Not Rated		Not Rated		Not Rated	
Mattaponi	3	Not Rated		Not Rated		Not Rated	
Myatt	2	Not Rated		Not Rated		Not Rated	
Roanoke	2	Not Rated		Not Rated		Not Rated	
18A:							
State	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
				Depth to saturated zone	0.15		

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

Dinwiddie Area, 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>18A:</b>							
Altavista	8	Not Rated		Not Rated		Not Rated	
Myatt	3	Not Rated		Not Rated		Not Rated	
Nansemond	2	Not Rated		Not Rated		Not Rated	
Roanoke	2	Not Rated		Not Rated		Not Rated	
<b>19B:</b>							
Uchee	85	Not limited		Somewhat limited		Not limited	
				Shrink-swell	0.50		
				Depth to saturated zone	0.47		
Emporia	8	Not Rated		Not Rated		Not Rated	
Slagle	7	Not Rated		Not Rated		Not Rated	
<b>19C:</b>							
Uchee	85	Not limited		Somewhat limited		Very limited	
				Shrink-swell	0.50	Slope	1.00
				Depth to saturated zone	0.47		
Emporia	8	Not Rated		Not Rated		Not Rated	
Slagle	7	Not Rated		Not Rated		Not Rated	
<b>20:</b>							
Udorthents	85	Not Rated		Not Rated		Not Rated	
Appling	5	Not Rated		Not Rated		Not Rated	
Cecil	5	Not Rated		Not Rated		Not Rated	
Mattaponi	4	Not Rated		Not Rated		Not Rated	
Roanoke	1	Not Rated		Not Rated		Not Rated	
<b>DAM:</b>							
Dam	100	Not Rated		Not Rated		Not Rated	
<b>W:</b>							
Water	100	Not Rated		Not Rated		Not Rated	