

## Table ENG-4. - Building Site Development

Fairfax 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
<b>Aa:</b>							
Appling	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Low strength	<0.01	Too clayey	0.28	Content of large stones	0.08
				Cutbanks cave	0.10	Gravel content	0.01
Worsham	3	Not Rated		Not Rated		Not Rated	
<b>Ab:</b>							
Appling	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.37	Slope	0.37	Slope	0.37
		Low strength	<0.01	Too clayey	0.28	Content of large stones	0.08
				Cutbanks cave	0.10	Gravel content	0.01
Worsham	3	Not Rated		Not Rated		Not Rated	
<b>Ac:</b>							
Appling	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	<0.01	Too clayey	0.28	Content of large stones	0.08
				Cutbanks cave	0.10	Gravel content	0.01
Worsham	3	Not Rated		Not Rated		Not Rated	
<b>Ba:</b>							
Beltsville	85	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to thick cemented pan	1.00	Depth to cemented pan	0.84
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Depth to thick cemented pan	0.84	Cutbanks cave	1.00		
<b>Bb:</b>							
Beltsville	85	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to thick cemented pan	1.00	Depth to cemented pan	0.84
		Low strength	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Depth to thick cemented pan	0.84	Cutbanks cave	1.00		
<b>Bc:</b>							
Bermudian	85	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Cutbanks cave	1.00	Flooding	0.60
		Low strength	1.00	Flooding	0.60		
		Frost action	0.50				

**Table ENG-4. - Building Site Development - Continued**

Fairfax 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
<b>Bc:</b>							
Bowmansville	3	Not Rated		Not Rated		Not Rated	
<b>Bd:</b>							
Birdsboro	85	Somewhat limited Frost action	0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.61	Not limited	
<b>Be:</b>							
Bowmansville	85	Very limited Depth to saturated zone Frost action Flooding	1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00
<b>Bf:</b>							
Brecknock	85	Somewhat limited Frost action Low strength	0.50 0.22	Somewhat limited Depth to hard bedrock Cutbanks cave	0.77 0.10	Not limited	
Croton	3	Not Rated		Not Rated		Not Rated	
<b>Bg:</b>							
Brecknock	85	Somewhat limited Frost action Slope Low strength	0.50 0.37 0.22	Somewhat limited Depth to hard bedrock Slope Cutbanks cave	0.42 0.37 0.10	Somewhat limited Slope	0.37
Croton	3	Not Rated		Not Rated		Not Rated	
<b>Bh:</b>							
Brecknock	85	Somewhat limited Frost action Low strength	0.50 0.22	Somewhat limited Depth to hard bedrock Cutbanks cave	0.42 0.10	Not limited	
Croton	3	Not Rated		Not Rated		Not Rated	
<b>Bk:</b>							
Brecknock	85	Somewhat limited Frost action Slope Low strength	0.50 0.37 0.22	Somewhat limited Depth to hard bedrock Slope Cutbanks cave	0.42 0.37 0.10	Somewhat limited Slope	0.37
Croton	3	Not Rated		Not Rated		Not Rated	
<b>Bm:</b>							

**Table ENG-4. - Building Site Development - Continued**

Fairfax 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
<b>Bm:</b>							
Bremo	50	Somewhat limited		Very limited		Somewhat limited	
		Depth to hard bedrock	0.84	Depth to hard bedrock	1.00	Depth to bedrock	0.84
		Slope	0.37	Cutbanks cave	1.00	Droughty	0.47
				Slope	0.37	Slope	0.37
Orange	30	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Slope	0.37
		Low strength	1.00	Slope	0.37	Depth to saturated zone	0.19
		Slope	0.37	Too clayey	0.28		
<b>Bn:</b>							
Bucks	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
Croton	3	Not Rated		Not Rated		Not Rated	
<b>Bo:</b>							
Bucks	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
Croton	3	Not Rated		Not Rated		Not Rated	
<b>Ca:</b>							
Calverton	85	Very limited		Very limited		Very limited	
		Depth to thin cemented pan	1.00	Depth to thin cemented pan	1.00	Depth to cemented pan	1.00
		Frost action	1.00	Depth to saturated zone	1.00	Droughty	0.46
		Low strength	1.00	Depth to dense layer	0.50	Depth to saturated zone	0.19
Croton	3	Not Rated		Not Rated		Not Rated	
<b>Cb:</b>							
Calverton	85	Very limited		Very limited		Very limited	
		Depth to thin cemented pan	1.00	Depth to thin cemented pan	1.00	Depth to cemented pan	1.00
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Low strength	1.00	Depth to dense layer	0.50	Droughty	0.11
Croton	3	Not Rated		Not Rated		Not Rated	
<b>Cc:</b>							

**Table ENG-4. - Building Site Development - Continued**

Fairfax 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
<b>Cc:</b>							
Calverton	85	Very limited		Very limited		Very limited	
		Depth to thin cemented pan	1.00	Depth to thin cemented pan	1.00	Depth to cemented pan	1.00
		Frost action	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Low strength	1.00	Depth to dense layer	0.50	Droughty	0.11
Croton	3	Not Rated		Not Rated		Not Rated	
<b>Cd:</b>							
Catlett	85	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	1.00
						Gravel content	0.87
Croton	3	Not Rated		Not Rated		Not Rated	
<b>Ce:</b>							
Catlett	85	Somewhat limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Frost action	0.50	Slope	0.37	Droughty	1.00
		Slope	0.37	Cutbanks cave	0.10	Gravel content	0.87
Croton	3	Not Rated		Not Rated		Not Rated	
<b>Cf:</b>							
Catlett	85	Very limited		Very limited		Very limited	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Slope	1.00	Slope	1.00	Droughty	1.00
		Frost action	0.50	Cutbanks cave	0.10	Slope	1.00
Croton	3	Not Rated		Not Rated		Not Rated	
<b>Cg:</b>							
Chewacla	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Depth to saturated zone	1.00	Flooding	1.00
		Low strength	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Flooding	0.80		
Wehadkee	5	Not Rated		Not Rated		Not Rated	
<b>Ch:</b>							
Colfax	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
		Low strength	0.22	Depth to thin cemented pan	0.46	Depth to cemented pan	0.46
				Cutbanks cave	0.10		

**Table ENG-4. - Building Site Development - Continued**

Fairfax 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
Ch:							
Worsham	5	Not Rated		Not Rated		Not Rated	
Ck:							
Croton	85	Very limited		Very limited		Very limited	
		Depth to thin cemented pan	1.00	Depth to thin cemented pan	1.00	Depth to cemented pan	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Depth to hard bedrock	0.61	Droughty	0.32
Ea:							
Elbert	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
		Low strength	1.00	Cutbanks cave	1.00		
		Shrink-swell	1.00	Too clayey	0.50		
Eb:							
Elioak	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	<0.01
		Low strength	<0.01				
Worsham	3	Not Rated		Not Rated		Not Rated	
Ec:							
Elioak	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10	Content of large stones	<0.01
		Low strength	<0.01				
Worsham	3	Not Rated		Not Rated		Not Rated	
Ed:							
Elioak	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10	Content of large stones	<0.01
		Low strength	<0.01				
Worsham	3	Not Rated		Not Rated		Not Rated	
Ee:							
Elioak	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	<0.01
		Low strength	<0.01				
Worsham	3	Not Rated		Not Rated		Not Rated	
Ef:							

## Table ENG-4. - Building Site Development - Continued

Fairfax 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
Ef:							
Elkton	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
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50	Too clayey	0.02		
Eg:							
Enon	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	1.00	Cutbanks cave	0.10		
Eh:							
Enon	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	1.00	Too clayey	0.28		
		Slope	0.37	Cutbanks cave	0.10		
Fa:							
Fairfax	85	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
		Shrink-swell	0.50				
		Frost action	0.50				
Fb:							
Fairfax	85	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
		Shrink-swell	0.50				
		Frost action	0.50				
Fc:							
Fairfax	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Cutbanks cave	1.00	Slope	0.37
		Shrink-swell	0.50	Slope	0.37		
		Frost action	0.50				
Ga:							
Galestown	85	Not limited		Very limited		Somewhat limited	
				Cutbanks cave	1.00	Droughty	0.69
Gb:							
Glenelg	85	Somewhat limited		Somewhat limited		Not limited	
		Frost action	0.50	Cutbanks cave	0.10		
Worsham	3	Not Rated		Not Rated		Not Rated	
Gc:							
Glenelg	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10		

**Table ENG-4. - Building Site Development - Continued**

Fairfax 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
Gc:							
Worsham	3	Not Rated		Not Rated		Not Rated	
Gd:							
Glenelg	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Cutbanks cave	0.10		
Worsham	3	Not Rated		Not Rated		Not Rated	
Ge:							
Glenelg	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10		
Worsham	3	Not Rated		Not Rated		Not Rated	
Gf:							
Glenelg	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10		
Worsham	3	Not Rated		Not Rated		Not Rated	
Gg:							
Glenville	85	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	1.00	Depth to thick cemented pan	1.00	Depth to cemented pan	1.00
		Frost action	1.00	Depth to saturated zone	0.61	Droughty	0.57
		Low strength	1.00	Cutbanks cave	0.10		
Worsham	3	Not Rated		Not Rated		Not Rated	
Ha:							
Hilly land	85	Not Rated		Not Rated		Not Rated	
Hb:							
Huntington	85	Very limited		Somewhat limited		Somewhat limited	
		Frost action	1.00	Flooding	0.60	Flooding	0.60
		Flooding	1.00	Cutbanks cave	0.10		
		Low strength	1.00				
Flooded soils	3	Not Rated		Not Rated		Not Rated	
Ia:							
Iredell	85	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Depth to saturated zone	0.61		
		Low strength	1.00	Too clayey	0.50		
				Cutbanks cave	0.10		

**Table ENG-4. - Building Site Development - Continued**

Fairfax 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
la:							
Elbert	3	Not Rated		Not Rated		Not Rated	
lb:							
Iredell	50	Very limited		Somewhat limited		Not limited	
		Shrink-swell	1.00	Depth to saturated zone	0.61		
		Low strength	1.00	Too clayey	0.50		
				Cutbanks cave	0.10		
Mecklenburg	30	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.50		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Elbert	3	Not Rated		Not Rated		Not Rated	
lc:							
Iredell	50	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Depth to saturated zone	0.61	Slope	0.37
		Low strength	1.00	Too clayey	0.50		
		Slope	0.37	Slope	0.37		
Mecklenburg	30	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.50	Slope	0.37
		Shrink-swell	0.50	Slope	0.37		
		Slope	0.37	Cutbanks cave	0.10		
Elbert	3	Not Rated		Not Rated		Not Rated	
ld:							
Iredell	50	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Depth to saturated zone	0.61	Content of large stones	0.12
		Low strength	1.00	Too clayey	0.50		
				Cutbanks cave	0.10		
Mecklenburg	30	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.50	Content of large stones	0.12
		Shrink-swell	0.50	Cutbanks cave	0.10	Gravel content	0.01
Elbert	3	Not Rated		Not Rated		Not Rated	
le:							
Iredell	50	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Depth to saturated zone	0.61	Slope	0.37
		Low strength	1.00	Too clayey	0.50	Content of large stones	0.12
		Slope	0.37	Slope	0.37		

**Table ENG-4. - Building Site Development - Continued**

Fairfax 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
le:							
Mecklenburg	30	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Too clayey	0.50	Slope	0.37
		Shrink-swell	0.50	Slope	0.37	Content of large stones	0.12
		Slope	0.37	Cutbanks cave	0.10	Gravel content	0.01
Elbert	3	Not Rated		Not Rated		Not Rated	
Ka:							
Kelly	85	Very limited		Very limited		Not limited	
		Shrink-swell	1.00	Cutbanks cave	1.00		
		Low strength	1.00	Depth to hard bedrock	0.84		
		Frost action	0.50	Depth to saturated zone	0.61		
Elbert	5	Not Rated		Not Rated		Not Rated	
La:							
Lenoir	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
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Elkton	3	Not Rated		Not Rated		Not Rated	
Lb:							
Lindside	85	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated zone	1.00	Flooding	0.60
		Flooding	1.00	Flooding	0.60	Depth to saturated zone	0.03
		Low strength	1.00	Cutbanks cave	0.10		
Lc:							
Lloyd	85	Somewhat limited		Very limited		Not limited	
		Shrink-swell	0.50	Cutbanks cave	1.00		
		Low strength	<0.01	Too clayey	0.72		
Ld:							
Louisburg	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.37	Depth to hard bedrock	1.00	Slope	0.37
				Slope	0.37		
				Cutbanks cave	0.10		
Worsham	3	Not Rated		Not Rated		Not Rated	
Le:							

**Table ENG-4. - Building Site Development - Continued**

Fairfax 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
<b>Le:</b>							
Louisburg	85	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock Cutbanks cave	1.00 1.00 0.10	Very limited Slope	1.00
Worsham	3	Not Rated		Not Rated		Not Rated	
<b>Lf:</b>							
Louisburg	85	Very limited Slope	1.00	Very limited Slope Depth to hard bedrock Cutbanks cave	1.00 1.00 0.10	Very limited Slope	1.00
Worsham	3	Not Rated		Not Rated		Not Rated	
<b>Lg:</b>							
Lunt	85	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Not limited	
<b>Lh:</b>							
Lunt	85	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Slope Too clayey Cutbanks cave	0.37 0.28 0.10	Somewhat limited Slope	0.37
<b>Lk:</b>							
Lunt	85	Very limited Low strength Shrink-swell Slope	1.00 1.00 1.00	Very limited Slope Too clayey Cutbanks cave	1.00 0.28 0.10	Very limited Slope	1.00
<b>Ma:</b>							
Manassas	85	Very limited Low strength Frost action Flooding	1.00 0.50 0.40	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	
<b>Mb:</b>							
Manor	85	Somewhat limited Frost action Slope	0.50 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37
Worsham	3	Not Rated		Not Rated		Not Rated	
<b>Mc:</b>							

## Table ENG-4. - Building Site Development - Continued

Fairfax 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
<b>Mc:</b>							
Manor	85	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Worsham	3	Not Rated		Not Rated		Not Rated	
<b>Md:</b>							
Manor	85	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Worsham	3	Not Rated		Not Rated		Not Rated	
<b>Me:</b>							
Manor	85	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Worsham	3	Not Rated		Not Rated		Not Rated	
<b>Mf:</b>							
Marsh	85	Not Rated		Not Rated		Not Rated	
<b>Mg:</b>							
Masada	85	Very limited Low strength Slope	1.00 0.37	Somewhat limited Slope Too clayey Cutbanks cave	0.37 0.13 0.10	Somewhat limited Gravel content Slope	0.60 0.37
<b>Mh:</b>							
Matapeake	85	Very limited Low strength Frost action	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
<b>Mk:</b>							
Matapeake	85	Very limited Low strength Frost action	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
<b>Mm:</b>							
Mattapex	85	Very limited Low strength Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Not limited	
<b>Mn:</b>							

## Table ENG-4. - Building Site Development - Continued

Fairfax 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
<b>Mn:</b>							
Mattapex	85	Very limited		Very limited		Not limited	
		Low strength	1.00	Cutbanks cave	1.00		
		Frost action	0.50	Depth to saturated zone	1.00		
<b>Mo:</b>							
Mayodan	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Too clayey	0.28		
		Shrink-swell	0.50	Cutbanks cave	0.10		
Croton	3	Not Rated		Not Rated		Not Rated	
<b>Mp:</b>							
Meadowville	85	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
<b>Mr:</b>							
Mixed alluvial land	85	Not Rated		Not Rated		Not Rated	
Poorly drained soils	5	Not Rated		Not Rated		Not Rated	
<b>Ms:</b>							
Montalto	85	Very limited		Somewhat limited		Somewhat limited	
		Low strength	1.00	Slope	0.37	Slope	0.37
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50	Too clayey	0.03		
<b>Oa:</b>							
Orange	85	Very limited		Very limited		Somewhat limited	
		Shrink-swell	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Low strength	1.00	Too clayey	0.28		
		Depth to saturated zone	0.19	Cutbanks cave	0.10		
Elbert	5	Not Rated		Not Rated		Not Rated	
<b>Pa:</b>							
Penn	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.16	Depth to bedrock	0.16
				Cutbanks cave	0.10		
Croton	3	Not Rated		Not Rated		Not Rated	
<b>Pb:</b>							

**Table ENG-4. - Building Site Development - Continued**

Fairfax 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
Pb:							
Penn	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Depth to soft bedrock	0.16	Depth to bedrock	0.16
				Cutbanks cave	0.10		
Croton	3	Not Rated		Not Rated		Not Rated	
Pc:							
Penn	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.16	Depth to bedrock	0.16
				Cutbanks cave	0.10		
Croton	3	Not Rated		Not Rated		Not Rated	
Pd:							
Penn	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Depth to soft bedrock	0.16	Depth to bedrock	0.16
				Cutbanks cave	0.10		
Croton	3	Not Rated		Not Rated		Not Rated	
Pe:							
Penn	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Depth to soft bedrock	0.16	Depth to bedrock	0.16
				Cutbanks cave	0.10		
Croton	3	Not Rated		Not Rated		Not Rated	
Pf:							
Penn	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft bedrock	0.16	Depth to bedrock	0.16
				Cutbanks cave	0.10		
Croton	3	Not Rated		Not Rated		Not Rated	
Pg:							
Penn	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Frost action	0.50	Slope	0.37	Slope	0.37
		Slope	0.37	Depth to soft bedrock	0.16	Gravel content	0.32
				Cutbanks cave	0.10	Depth to bedrock	0.16
Croton	3	Not Rated		Not Rated		Not Rated	
Ph:							

## Table ENG-4. - Building Site Development - Continued

Fairfax 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
Ph:							
Penn	85	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.16 0.10	Very limited Slope Gravel content Depth to bedrock	1.00 0.32 0.16
Croton	3	Not Rated		Not Rated		Not Rated	
Pk:							
Penn	85	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.16 0.10	Very limited Slope Gravel content Depth to bedrock	1.00 0.32 0.16
Croton	3	Not Rated		Not Rated		Not Rated	
Pm:							
Penn	85	Somewhat limited Frost action	0.50	Somewhat limited Depth to soft bedrock Cutbanks cave	0.16 0.10	Somewhat limited Depth to bedrock	0.16
Croton	3	Not Rated		Not Rated		Not Rated	
Pn:							
Penn	85	Somewhat limited Frost action Slope	0.50 0.37	Somewhat limited Slope Depth to soft bedrock Cutbanks cave	0.37 0.16 0.10	Somewhat limited Slope Depth to bedrock	0.37 0.16
Croton	3	Not Rated		Not Rated		Not Rated	
Po:							
Penn	85	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.16 0.10	Very limited Slope Depth to bedrock	1.00 0.16
Croton	3	Not Rated		Not Rated		Not Rated	
Ra:							
Raritan	85	Very limited Frost action Low strength Flooding	1.00 1.00 0.40	Very limited Depth to saturated zone Cutbanks cave Depth to thin cemented pan	1.00 1.00 0.74	Somewhat limited Depth to cemented pan Depth to saturated zone	0.74 0.19
Bowmansville	3	Not Rated		Not Rated		Not Rated	
Rb:							

**Table ENG-4. - Building Site Development - Continued**

Fairfax 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
<b>Rb:</b>							
Readington	85	Very limited		Very limited		Somewhat limited	
		Low strength	1.00	Depth to thick cemented pan	1.00	Depth to cemented pan	0.54
		Depth to thick cemented pan	0.54	Depth to saturated zone	1.00	Depth to saturated zone	0.19
		Frost action	0.50	Depth to hard bedrock	0.42		
<b>Rc:</b>							
Rocky land, basic	85	Not Rated		Not Rated		Not Rated	
Elbert	3	Not Rated		Not Rated		Not Rated	
<b>Rd:</b>							
Rocky land, acidic	85	Not Rated		Not Rated		Not Rated	
Elbert	3	Not Rated		Not Rated		Not Rated	
<b>Re:</b>							
Rocky land, acidic	85	Not Rated		Not Rated		Not Rated	
Elbert	3	Not Rated		Not Rated		Not Rated	
<b>Rf:</b>							
Rolling land	85	Not Rated		Not Rated		Not Rated	
<b>Rg:</b>							
Rowland	85	Very limited		Very limited		Somewhat limited	
		Frost action	1.00	Depth to saturated zone	1.00	Flooding	0.60
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	0.19
		Low strength	1.00	Flooding	0.60		
Bowmansville	3	Not Rated		Not Rated		Not Rated	
<b>Sa:</b>							
Sassafras	85	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
<b>Sb:</b>							
Sassafras	85	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Cutbanks cave	1.00		
<b>Sc:</b>							
Sassafras	85	Somewhat limited		Very limited		Somewhat limited	
		Frost action	0.50	Cutbanks cave	1.00	Slope	0.37
		Slope	0.37	Slope	0.37		
<b>Sd:</b>							
Steep land	85	Not Rated		Not Rated		Not Rated	
<b>Se:</b>							

**Table ENG-4. - Building Site Development - Continued**

Fairfax 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
Se:							
Swamp	85	Not Rated		Not Rated		Not Rated	
Va:							
Very rocky land, acidic	85	Not Rated		Not Rated		Not Rated	
Vb:							
Very rocky land, basic	85	Not Rated		Not Rated		Not Rated	
Wa:							
Wehadkee	85	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	1.00	Cutbanks cave	0.10		
Wb:							
Wickham	50	Somewhat limited		Very limited		Not limited	
		Low strength	0.78	Cutbanks cave	1.00		
Hiwassee	40	Somewhat limited		Somewhat limited		Not Rated	
		Low strength	<0.01	Too clayey	0.28		
				Cutbanks cave	0.10		
Wc:							
Woodstown	85	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Depth to saturated zone	1.00		
				Cutbanks cave	0.10		
Wd:							
Woodstown	85	Somewhat limited		Very limited		Not limited	
		Frost action	0.50	Depth to saturated zone	1.00		
				Cutbanks cave	0.10		
We:							
Worsham	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
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50	Too clayey	0.03		
ZZ900:							
Mines	100	Not Rated		Not Rated		Not Rated	
ZZ901:							
Urban land	100	Not Rated		Not Rated		Not Rated	