

## Table ENG-3. - Building Site Development

Fluvanna County, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>Aa:</b>							
Altavista	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	0.39	Depth to saturated zone	1.00	Depth to saturated zone	0.39
						Slope	0.13
Augusta	4	Not Rated		Not Rated		Not Rated	
Roanoke	4	Not Rated		Not Rated		Not Rated	
Wickham	4	Not Rated		Not Rated		Not Rated	
Hiwassee	3	Not Rated		Not Rated		Not Rated	
<b>Ab:</b>							
Appling	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Slope	1.00
Colfax	4	Not Rated		Not Rated		Not Rated	
Durham	4	Not Rated		Not Rated		Not Rated	
Louisburg	4	Not Rated		Not Rated		Not Rated	
Cecil	3	Not Rated		Not Rated		Not Rated	
<b>Ac:</b>							
Appling	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Slope	1.00
Cecil	5	Not Rated		Not Rated		Not Rated	
Colfax	5	Not Rated		Not Rated		Not Rated	
Durham	5	Not Rated		Not Rated		Not Rated	
<b>Ad:</b>							
Appling	85	Not limited		Not limited		Somewhat limited Slope	0.13
Colfax	4	Not Rated		Not Rated		Not Rated	
Durham	4	Not Rated		Not Rated		Not Rated	
Louisburg	4	Not Rated		Not Rated		Not Rated	
Cecil	3	Not Rated		Not Rated		Not Rated	

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

Fluvanna 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
Ae:							
Appling	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Slope	1.00
Louisburg	8	Not Rated		Not Rated		Not Rated	
Worsham	7	Not Rated		Not Rated		Not Rated	
Af:							
Appling	85	Not limited		Not limited		Somewhat limited Slope	0.13
Colfax	5	Not Rated		Not Rated		Not Rated	
Louisburg	5	Not Rated		Not Rated		Not Rated	
Worsham	5	Not Rated		Not Rated		Not Rated	
Ag:							
Appling	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Slope	1.00
Colfax	4	Not Rated		Not Rated		Not Rated	
Durham	4	Not Rated		Not Rated		Not Rated	
Louisburg	4	Not Rated		Not Rated		Not Rated	
Cecil	3	Not Rated		Not Rated		Not Rated	
Ah:							
Appling	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Slope	1.00
Colfax	4	Not Rated		Not Rated		Not Rated	
Durham	4	Not Rated		Not Rated		Not Rated	
Louisburg	4	Not Rated		Not Rated		Not Rated	
Cecil	3	Not Rated		Not Rated		Not Rated	
Ak:							
Appling	85	Not limited		Not limited		Somewhat limited Slope	0.13
Colfax	4	Not Rated		Not Rated		Not Rated	
Durham	4	Not Rated		Not Rated		Not Rated	
Louisburg	4	Not Rated		Not Rated		Not Rated	

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

Fluvanna County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>Ak:</b>							
Cecil	3	Not Rated		Not Rated		Not Rated	
<b>Al:</b>							
Augusta	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	0.98	Depth to saturated zone	1.00	Depth to saturated zone	0.98
						Slope	0.13
Altavista	5	Not Rated		Not Rated		Not Rated	
Wickham	5	Not Rated		Not Rated		Not Rated	
Roanoke	4	Not Rated		Not Rated		Not Rated	
<b>Ba:</b>							
Bremo	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Depth to hard bedrock	0.46	Depth to hard bedrock	1.00	Depth to hard bedrock	0.46
Fluvanna	4	Not Rated		Not Rated		Not Rated	
Lloyd	4	Not Rated		Not Rated		Not Rated	
Orange	4	Not Rated		Not Rated		Not Rated	
Elbert	3	Not Rated		Not Rated		Not Rated	
<b>Bb:</b>							
Bremo	85	Somewhat limited Slope	0.63	Very limited Depth to hard bedrock	1.00	Very limited Slope	1.00
		Depth to hard bedrock	0.46	Slope	0.63	Depth to hard bedrock	0.46
Fluvanna	4	Not Rated		Not Rated		Not Rated	
Lloyd	4	Not Rated		Not Rated		Not Rated	
Orange	4	Not Rated		Not Rated		Not Rated	
Elbert	3	Not Rated		Not Rated		Not Rated	
<b>Bc:</b>							
Bremo	85	Somewhat limited Depth to hard bedrock	0.46	Very limited Depth to hard bedrock	1.00	Somewhat limited Depth to hard bedrock	0.46
						Slope	0.13
Fluvanna	4	Not Rated		Not Rated		Not Rated	
Lloyd	4	Not Rated		Not Rated		Not Rated	

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

Fluvanna County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>Bc:</b>							
Orange	4	Not Rated		Not Rated		Not Rated	
Elbert	3	Not Rated		Not Rated		Not Rated	
<b>Bd:</b>							
Buncombe	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
Chewacla	8	Not Rated		Not Rated		Not Rated	
Congaree	7	Not Rated		Not Rated		Not Rated	
<b>Ca:</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	
Colfax	5	Not Rated		Not Rated		Not Rated	
Louisburg	5	Not Rated		Not Rated		Not Rated	
<b>Cb:</b>							
Cecil	85	Not limited		Not limited		Somewhat limited Slope	0.13
Appling	5	Not Rated		Not Rated		Not Rated	
Colfax	5	Not Rated		Not Rated		Not Rated	
Louisburg	5	Not Rated		Not Rated		Not Rated	
<b>Cc:</b>							
Cecil	85	Not limited		Not limited		Somewhat limited Slope	0.13
Appling	7	Not Rated		Not Rated		Not Rated	
Colfax	6	Not Rated		Not Rated		Not Rated	
Madison	2	Not Rated		Not Rated		Not Rated	
<b>Cd:</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	
Colfax	5	Not Rated		Not Rated		Not Rated	

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

Fluvanna 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
Cd:							
Louisburg	5	Not Rated		Not Rated		Not Rated	
Ce:							
Cecil	85	Not limited		Not limited		Somewhat limited Slope	0.13
Appling	5	Not Rated		Not Rated		Not Rated	
Colfax	5	Not Rated		Not Rated		Not Rated	
Louisburg	5	Not Rated		Not Rated		Not Rated	
Cf:							
Chewacla	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Congaree	8	Not Rated		Not Rated		Not Rated	
Wehadkee	7	Not Rated		Not Rated		Not Rated	
Cg:							
Colfax	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
				Depth to thin cemented pan	0.46	Slope	0.13
Appling	4	Not Rated		Not Rated		Not Rated	
Durham	4	Not Rated		Not Rated		Not Rated	
Vance	4	Not Rated		Not Rated		Not Rated	
Worsham	3	Not Rated		Not Rated		Not Rated	
Ch:							
Congaree	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
				Depth to saturated zone	0.90		
Chewacla	8	Not Rated		Not Rated		Not Rated	
Wehadkee	7	Not Rated		Not Rated		Not Rated	
Ck:							

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

Fluvanna 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
Ck:							
Congaree	85	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.90	Very limited Flooding	1.00
Chewacla	8	Not Rated		Not Rated		Not Rated	
Wehadkee	7	Not Rated		Not Rated		Not Rated	
Da:							
Durham	85	Not limited		Not limited		Somewhat limited Slope	0.13
Appling	4	Not Rated		Not Rated		Not Rated	
Cecil	4	Not Rated		Not Rated		Not Rated	
Colfax	4	Not Rated		Not Rated		Not Rated	
Worsham	3	Not Rated		Not Rated		Not Rated	
Ea:							
Elbert	85	Very limited Depth to saturated zone Shrink-swell	1.00 1.00	Very limited Depth to saturated zone Shrink-swell	1.00 1.00	Very limited Depth to saturated zone Shrink-swell	1.00 1.00
Fluvanna	5	Not Rated		Not Rated		Not Rated	
Lloyd	5	Not Rated		Not Rated		Not Rated	
Orange	5	Not Rated		Not Rated		Not Rated	
Fa:							
Fluvanna	85	Somewhat limited Slope Shrink-swell	0.63 0.50	Somewhat limited Slope Shrink-swell	0.63 0.50	Very limited Slope Shrink-swell	1.00 0.50
Bremo	4	Not Rated		Not Rated		Not Rated	
Lloyd	4	Not Rated		Not Rated		Not Rated	
Orange	4	Not Rated		Not Rated		Not Rated	
Appling	3	Not Rated		Not Rated		Not Rated	
Fb:							
Fluvanna	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13

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

Fluvanna County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>Fb:</b>							
Bremo	4	Not Rated		Not Rated		Not Rated	
Lloyd	4	Not Rated		Not Rated		Not Rated	
Orange	4	Not Rated		Not Rated		Not Rated	
Appling	3	Not Rated		Not Rated		Not Rated	
<b>Fc:</b>							
Fluvanna	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Bremo	8	Not Rated		Not Rated		Not Rated	
Lloyd	7	Not Rated		Not Rated		Not Rated	
<b>Fd:</b>							
Fluvanna	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Bremo	4	Not Rated		Not Rated		Not Rated	
Lloyd	4	Not Rated		Not Rated		Not Rated	
Orange	4	Not Rated		Not Rated		Not Rated	
Elbert	3	Not Rated		Not Rated		Not Rated	
<b>Fe:</b>							
Fluvanna	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
Bremo	4	Not Rated		Not Rated		Not Rated	
Lloyd	4	Not Rated		Not Rated		Not Rated	
Orange	4	Not Rated		Not Rated		Not Rated	
Elbert	3	Not Rated		Not Rated		Not Rated	
<b>Ga:</b>							
Goldvein	85	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	1.00	Depth to saturated zone	1.00	Depth to thick cemented pan	1.00
		Depth to saturated zone	1.00	Depth to thick cemented pan	1.00	Depth to saturated zone	1.00
		Slope	0.04	Slope	0.04	Slope	1.00

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

Fluvanna County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>Ga:</b>							
Lignum	5	Not Rated		Not Rated		Not Rated	
Nason	5	Not Rated		Not Rated		Not Rated	
Worsham	5	Not Rated		Not Rated		Not Rated	
<b>Ha:</b>							
Helena	85	Somewhat limited		Very limited		Very limited	
		Depth to saturated zone	0.91	Depth to saturated zone	1.00	Slope	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone	0.91
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Appling	4	Not Rated		Not Rated		Not Rated	
Colfax	4	Not Rated		Not Rated		Not Rated	
Vance	4	Not Rated		Not Rated		Not Rated	
Worsham	3	Not Rated		Not Rated		Not Rated	
<b>Hb:</b>							
Helena	85	Somewhat limited		Very limited		Very limited	
		Depth to saturated zone	0.91	Depth to saturated zone	1.00	Slope	1.00
		Slope	0.63	Slope	0.63	Depth to saturated zone	0.91
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Appling	4	Not Rated		Not Rated		Not Rated	
Colfax	4	Not Rated		Not Rated		Not Rated	
Vance	4	Not Rated		Not Rated		Not Rated	
Worsham	3	Not Rated		Not Rated		Not Rated	
<b>Hc:</b>							
Helena	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
						Slope	0.13
Appling	4	Not Rated		Not Rated		Not Rated	
Colfax	4	Not Rated		Not Rated		Not Rated	
Vance	4	Not Rated		Not Rated		Not Rated	
Worsham	3	Not Rated		Not Rated		Not Rated	

Hd:

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

Fluvanna County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>Hd:</b>							
Hiwassee	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Slope	1.00
Augusta	4	Not Rated		Not Rated		Not Rated	
Masada	4	Not Rated		Not Rated		Not Rated	
Wickham	4	Not Rated		Not Rated		Not Rated	
Roanoke	3	Not Rated		Not Rated		Not Rated	
<b>He:</b>							
Hiwassee	85	Not limited		Not limited		Somewhat limited Slope	0.13
Augusta	4	Not Rated		Not Rated		Not Rated	
Masada	4	Not Rated		Not Rated		Not Rated	
Wickham	4	Not Rated		Not Rated		Not Rated	
Roanoke	3	Not Rated		Not Rated		Not Rated	
<b>Hf:</b>							
Hiwassee	85	Not limited		Not limited		Somewhat limited Slope	0.50
Augusta	5	Not Rated		Not Rated		Not Rated	
Masada	5	Not Rated		Not Rated		Not Rated	
Roanoke	5	Not Rated		Not Rated		Not Rated	
<b>Hg:</b>							
Hiwassee	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Slope	1.00
Augusta	5	Not Rated		Not Rated		Not Rated	
Masada	5	Not Rated		Not Rated		Not Rated	
Roanoke	5	Not Rated		Not Rated		Not Rated	
<b>Hh:</b>							
Hiwassee	85	Not limited		Not limited		Somewhat limited Slope	0.13
Augusta	5	Not Rated		Not Rated		Not Rated	
Masada	5	Not Rated		Not Rated		Not Rated	

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

Fluvanna 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
Hh:							
Roanoke	5	Not Rated		Not Rated		Not Rated	
Hk:							
Hiwassee	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Slope	1.00
Augusta	4	Not Rated		Not Rated		Not Rated	
Masada	4	Not Rated		Not Rated		Not Rated	
Wickham	4	Not Rated		Not Rated		Not Rated	
Roanoke	3	Not Rated		Not Rated		Not Rated	
HI:							
Hiwassee	85	Not limited		Not limited		Somewhat limited Slope	0.13
Augusta	4	Not Rated		Not Rated		Not Rated	
Masada	4	Not Rated		Not Rated		Not Rated	
Wickham	4	Not Rated		Not Rated		Not Rated	
Roanoke	3	Not Rated		Not Rated		Not Rated	
La:							
Lignum	85	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Shrink-swell Slope	1.00 0.50 0.13
Nason	5	Not Rated		Not Rated		Not Rated	
Tatum	5	Not Rated		Not Rated		Not Rated	
Worsham	5	Not Rated		Not Rated		Not Rated	
Lb:							
Lignum	85	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Shrink-swell Slope	1.00 0.50 0.13
Nason	5	Not Rated		Not Rated		Not Rated	
Tatum	5	Not Rated		Not Rated		Not Rated	
Worsham	5	Not Rated		Not Rated		Not Rated	

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

Fluvanna 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
Lc:							
Lloyd	85	Somewhat limited Slope Shrink-swell	0.63 0.50	Somewhat limited Slope Shrink-swell	0.63 0.50	Very limited Slope Shrink-swell	1.00 0.50
Bremo	5	Not Rated		Not Rated		Not Rated	
Fluvanna	5	Not Rated		Not Rated		Not Rated	
Orange	5	Not Rated		Not Rated		Not Rated	
Ld:							
Lloyd	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
Bremo	3	Not Rated		Not Rated		Not Rated	
Madison	3	Not Rated		Not Rated		Not Rated	
Orange	3	Not Rated		Not Rated		Not Rated	
Cecil	2	Not Rated		Not Rated		Not Rated	
Fluvanna	2	Not Rated		Not Rated		Not Rated	
Tatum	2	Not Rated		Not Rated		Not Rated	
Le:							
Lloyd	85	Somewhat limited Slope Shrink-swell	0.63 0.50	Somewhat limited Slope Shrink-swell	0.63 0.50	Very limited Slope Shrink-swell	1.00 0.50
Bremo	4	Not Rated		Not Rated		Not Rated	
Madison	4	Not Rated		Not Rated		Not Rated	
Orange	4	Not Rated		Not Rated		Not Rated	
Fluvanna	3	Not Rated		Not Rated		Not Rated	
Lf:							
Lloyd	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
Bremo	3	Not Rated		Not Rated		Not Rated	
Madison	3	Not Rated		Not Rated		Not Rated	
Orange	3	Not Rated		Not Rated		Not Rated	

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

Fluvanna 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
Lf:							
Cecil	2	Not Rated		Not Rated		Not Rated	
Fluvanna	2	Not Rated		Not Rated		Not Rated	
Tatum	2	Not Rated		Not Rated		Not Rated	
Lg:							
Louisa	85	Very limited Slope	1.00	Very limited Slope Depth to soft bedrock	1.00 1.00	Very limited Slope	1.00
Bremo	5	Not Rated		Not Rated		Not Rated	
Cecil	5	Not Rated		Not Rated		Not Rated	
Madison	5	Not Rated		Not Rated		Not Rated	
Lh:							
Louisa	85	Somewhat limited Slope	0.63	Very limited Depth to soft bedrock Slope	1.00 0.63	Very limited Slope	1.00
Bremo	5	Not Rated		Not Rated		Not Rated	
Cecil	5	Not Rated		Not Rated		Not Rated	
Madison	5	Not Rated		Not Rated		Not Rated	
Lk:							
Louisburg	85	Very limited Slope Depth to hard bedrock	1.00 0.90	Very limited Depth to hard bedrock Slope	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.90
Appling	5	Not Rated		Not Rated		Not Rated	
Cecil	5	Not Rated		Not Rated		Not Rated	
Worsham	5	Not Rated		Not Rated		Not Rated	
Ll:							
Louisburg	85	Very limited Slope Depth to hard bedrock	1.00 0.90	Very limited Slope Depth to hard bedrock	1.00 1.00	Very limited Slope Depth to hard bedrock	1.00 0.90
Appling	5	Not Rated		Not Rated		Not Rated	
Cecil	5	Not Rated		Not Rated		Not Rated	
Worsham	5	Not Rated		Not Rated		Not Rated	

Lm:

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

Fluvanna County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>Lm:</b>							
Louisburg	85	Very limited		Very limited		Very limited	
		Slope	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Depth to hard bedrock	0.90	Slope	1.00	Depth to hard bedrock	0.90
Appling	3	Not Rated		Not Rated		Not Rated	
Cecil	3	Not Rated		Not Rated		Not Rated	
Durham	3	Not Rated		Not Rated		Not Rated	
Wilkes	3	Not Rated		Not Rated		Not Rated	
Worsham	3	Not Rated		Not Rated		Not Rated	
<b>M:</b>							
Made land	100	Not Rated		Not Rated		Not Rated	
<b>Ma:</b>							
Madison	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
Louisa	8	Not Rated		Not Rated		Not Rated	
Cecil	7	Not Rated		Not Rated		Not Rated	
<b>Mb:</b>							
Madison	85	Not limited		Not limited		Somewhat limited	
						Slope	0.13
Louisa	8	Not Rated		Not Rated		Not Rated	
Lloyd	7	Not Rated		Not Rated		Not Rated	
<b>Mc:</b>							
Manteo	50	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
Bremo	35	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
Tatum	8	Not Rated		Not Rated		Not Rated	
Nason	7	Not Rated		Not Rated		Not Rated	
<b>Md:</b>							
Manteo	50	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Slope	0.63	Slope	0.63	Depth to hard bedrock	1.00

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

Fluvanna County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>Md:</b>							
Bremo	35	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Slope	0.63	Slope	0.63	Depth to hard bedrock	1.00
Tatum	8	Not Rated		Not Rated		Not Rated	
Nason	7	Not Rated		Not Rated		Not Rated	
<b>Me:</b>							
Manteo	85	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
Tatum	8	Not Rated		Not Rated		Not Rated	
Nason	7	Not Rated		Not Rated		Not Rated	
<b>Mf:</b>							
Manteo	85	Very limited		Very limited		Very limited	
		Depth to hard bedrock	1.00	Depth to hard bedrock	1.00	Slope	1.00
		Slope	0.63	Slope	0.63	Depth to hard bedrock	1.00
Tatum	8	Not Rated		Not Rated		Not Rated	
Nason	7	Not Rated		Not Rated		Not Rated	
<b>Mg:</b>							
Manteo	85	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
Tatum	8	Not Rated		Not Rated		Not Rated	
Nason	7	Not Rated		Not Rated		Not Rated	
<b>Mh:</b>							
Manteo	85	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	0.13
Tatum	8	Not Rated		Not Rated		Not Rated	
Nason	7	Not Rated		Not Rated		Not Rated	
<b>Mk:</b>							
Masada	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
Augusta	5	Not Rated		Not Rated		Not Rated	

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

Fluvanna County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>Mk:</b>							
Hiwassee	5	Not Rated		Not Rated		Not Rated	
Roanoke	5	Not Rated		Not Rated		Not Rated	
<b>Ml:</b>							
Mixed alluvium	75	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
Chewacla	8	Not Rated		Not Rated		Not Rated	
Congaree	7	Not Rated		Not Rated		Not Rated	
Wehadkee	5	Not Rated		Not Rated		Not Rated	
Worsham	5	Not Rated		Not Rated		Not Rated	
<b>Mm:</b>							
Mixed alluvium	85	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.16	Very limited Flooding	1.00
Buncombe	3	Not Rated		Not Rated		Not Rated	
Congaree	3	Not Rated		Not Rated		Not Rated	
Seneca	3	Not Rated		Not Rated		Not Rated	
Starr	3	Not Rated		Not Rated		Not Rated	
Worsham	3	Not Rated		Not Rated		Not Rated	
<b>Na:</b>							
Nason	85	Somewhat limited Slope Shrink-swell	0.63 0.50	Somewhat limited Slope	0.63	Very limited Slope Shrink-swell	1.00 0.50
Lignum	5	Not Rated		Not Rated		Not Rated	
Tatum	5	Not Rated		Not Rated		Not Rated	
Worsham	5	Not Rated		Not Rated		Not Rated	
<b>Nb:</b>							
Nason	85	Somewhat limited Slope Shrink-swell	0.63 0.50	Somewhat limited Slope	0.63	Very limited Slope Shrink-swell	1.00 0.50
Lignum	5	Not Rated		Not Rated		Not Rated	

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

Fluvanna 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
Nb:							
Tatum	5	Not Rated		Not Rated		Not Rated	
Worsham	5	Not Rated		Not Rated		Not Rated	
Nc:							
Nason	85	Somewhat limited Shrink-swell	0.50	Not limited		Somewhat limited Shrink-swell Slope	0.50 0.13
Lignum	8	Not Rated		Not Rated		Not Rated	
Tatum	7	Not Rated		Not Rated		Not Rated	
Nd:							
Nason	85	Somewhat limited Slope Shrink-swell	0.63 0.50	Somewhat limited Slope Shrink-swell	0.63 0.50	Very limited Slope Shrink-swell	1.00 0.50
Lignum	8	Not Rated		Not Rated		Not Rated	
Tatum	7	Not Rated		Not Rated		Not Rated	
Ne:							
Nason	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13
Lignum	4	Not Rated		Not Rated		Not Rated	
Manteo	4	Not Rated		Not Rated		Not Rated	
Tatum	4	Not Rated		Not Rated		Not Rated	
Worsham	3	Not Rated		Not Rated		Not Rated	
Nf:							
Nason	85	Somewhat limited Slope Shrink-swell	0.63 0.50	Somewhat limited Slope Shrink-swell	0.63 0.50	Very limited Slope Shrink-swell	1.00 0.50
Lignum	5	Not Rated		Not Rated		Not Rated	
Tatum	5	Not Rated		Not Rated		Not Rated	
Worsham	5	Not Rated		Not Rated		Not Rated	
Ng:							
Nason	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.13

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

Fluvanna County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>Ng:</b>							
Lignum	4	Not Rated		Not Rated		Not Rated	
Manteo	4	Not Rated		Not Rated		Not Rated	
Tatum	4	Not Rated		Not Rated		Not Rated	
Worsham	3	Not Rated		Not Rated		Not Rated	
<b>Oa:</b>							
Orange	50	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to saturated zone	1.00	Depth to hard bedrock	1.00	Depth to saturated zone	1.00
		Depth to hard bedrock	0.01	Depth to saturated zone	1.00	Slope	0.13
Bremo	35	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	0.13
Elbert	5	Not Rated		Not Rated		Not Rated	
Fluvanna	5	Not Rated		Not Rated		Not Rated	
Nason	5	Not Rated		Not Rated		Not Rated	
<b>Ob:</b>							
Orange	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to saturated zone	1.00	Depth to hard bedrock	1.00	Depth to saturated zone	1.00
		Depth to hard bedrock	0.01	Depth to saturated zone	1.00	Slope	0.13
Elbert	4	Not Rated		Not Rated		Not Rated	
Fluvanna	4	Not Rated		Not Rated		Not Rated	
Zion	4	Not Rated		Not Rated		Not Rated	
Bremo	3	Not Rated		Not Rated		Not Rated	
<b>Oc:</b>							
Orange	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to saturated zone	1.00	Depth to hard bedrock	1.00	Depth to saturated zone	1.00
		Depth to hard bedrock	0.01	Depth to saturated zone	1.00	Slope	0.13
Elbert	4	Not Rated		Not Rated		Not Rated	
Fluvanna	4	Not Rated		Not Rated		Not Rated	

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

Fluvanna County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>Oc:</b>							
Lloyd	4	Not Rated		Not Rated		Not Rated	
Bremo	3	Not Rated		Not Rated		Not Rated	
<b>Ra:</b>							
Riverwash	85	Not Rated		Not Rated		Not Rated	
Buncombe	8	Not Rated		Not Rated		Not Rated	
Congaree	7	Not Rated		Not Rated		Not Rated	
<b>Rb:</b>							
Roanoke	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Altavista	4	Not Rated		Not Rated		Not Rated	
Hiwassee	4	Not Rated		Not Rated		Not Rated	
Wickham	4	Not Rated		Not Rated		Not Rated	
Augusta	3	Not Rated		Not Rated		Not Rated	
<b>Rc:</b>							
Rough gullied land	100	Not Rated		Not Rated		Not Rated	
<b>Sa:</b>							
Seneca	85	Not limited		Somewhat limited Depth to saturated zone	0.99	Somewhat limited Slope	0.13
Appling	4	Not Rated		Not Rated		Not Rated	
Cecil	4	Not Rated		Not Rated		Not Rated	
Durham	4	Not Rated		Not Rated		Not Rated	
Louisburg	3	Not Rated		Not Rated		Not Rated	
<b>Sb:</b>							
Seneca	85	Not limited		Somewhat limited Depth to saturated zone	0.99	Somewhat limited Slope	0.13
Fluvanna	4	Not Rated		Not Rated		Not Rated	
Nason	4	Not Rated		Not Rated		Not Rated	

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

Fluvanna County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>Sb:</b>							
Tatum	4	Not Rated		Not Rated		Not Rated	
Lignum	3	Not Rated		Not Rated		Not Rated	
<b>Sc:</b>							
Starr	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Shrink-swell	0.50			Shrink-swell	0.50
						Slope	0.13
Elbert	4	Not Rated		Not Rated		Not Rated	
Fluvanna	4	Not Rated		Not Rated		Not Rated	
Lloyd	4	Not Rated		Not Rated		Not Rated	
Bremo	3	Not Rated		Not Rated		Not Rated	
<b>Sd:</b>							
Stony land	85	Not Rated		Not Rated		Not Rated	
Manteo	8	Not Rated		Not Rated		Not Rated	
Lloyd	7	Not Rated		Not Rated		Not Rated	
<b>Ta:</b>							
Tatum	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
Lignum	5	Not Rated		Not Rated		Not Rated	
Nason	5	Not Rated		Not Rated		Not Rated	
Worsham	5	Not Rated		Not Rated		Not Rated	
<b>Tb:</b>							
Tatum	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Nason	8	Not Rated		Not Rated		Not Rated	
Manteo	7	Not Rated		Not Rated		Not Rated	
<b>Tc:</b>							
Tatum	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13

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

Fluvanna 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
Tc:							
Lignum	4	Not Rated		Not Rated		Not Rated	
Manteo	4	Not Rated		Not Rated		Not Rated	
Nason	4	Not Rated		Not Rated		Not Rated	
Worsham	3	Not Rated		Not Rated		Not Rated	
Td:							
Tatum	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.63	Slope	0.63	Slope	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Manteo	5	Not Rated		Not Rated		Not Rated	
Nason	5	Not Rated		Not Rated		Not Rated	
Worsham	5	Not Rated		Not Rated		Not Rated	
Te:							
Tatum	90	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
Nason	7	Not Rated		Not Rated		Not Rated	
Va:							
Vance	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
						Slope	0.13
Appling	4	Not Rated		Not Rated		Not Rated	
Helena	4	Not Rated		Not Rated		Not Rated	
Tatum	4	Not Rated		Not Rated		Not Rated	
Worsham	3	Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	
Wa:							
Wehadkee	85	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
Altavista	4	Not Rated		Not Rated		Not Rated	

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

Fluvanna County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>Wa:</b>							
Congaree	4	Not Rated		Not Rated		Not Rated	
Wickham	4	Not Rated		Not Rated		Not Rated	
Chewacla	3	Not Rated		Not Rated		Not Rated	
<b>Wb:</b>							
Wickham	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding Slope	1.00 0.13
Altavista	4	Not Rated		Not Rated		Not Rated	
Augusta	4	Not Rated		Not Rated		Not Rated	
Congaree	4	Not Rated		Not Rated		Not Rated	
Roanoke	3	Not Rated		Not Rated		Not Rated	
<b>Wc:</b>							
Wilkes	85	Very limited Slope Depth to hard bedrock Shrink-swell	1.00 1.00 0.50	Very limited Slope Depth to hard bedrock Shrink-swell	1.00 1.00 0.50	Very limited Slope Depth to hard bedrock Shrink-swell	1.00 1.00 0.50
Appling	5	Not Rated		Not Rated		Not Rated	
Bremo	5	Not Rated		Not Rated		Not Rated	
Louisburg	5	Not Rated		Not Rated		Not Rated	
<b>Wd:</b>							
Wilkes	85	Very limited Depth to hard bedrock Slope Shrink-swell	1.00 0.63 0.50	Very limited Depth to hard bedrock Slope Shrink-swell	1.00 0.63 0.50	Very limited Slope Depth to hard bedrock Shrink-swell	1.00 1.00 0.50
Louisburg	8	Not Rated		Not Rated		Not Rated	
Bremo	7	Not Rated		Not Rated		Not Rated	
<b>We:</b>							
Worsham	85	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Shrink-swell	1.00 0.50
Appling	4	Not Rated		Not Rated		Not Rated	
Colfax	4	Not Rated		Not Rated		Not Rated	

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

Fluvanna County, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Dwellings without Basements		Dwellings with Basements		Small Commercial Buildings	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
<b>We:</b>							
Louisburg	4	Not Rated		Not Rated		Not Rated	
Cecil	3	Not Rated		Not Rated		Not Rated	
<b>Wf:</b>							
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
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Manteo	4	Not Rated		Not Rated		Not Rated	
Nason	4	Not Rated		Not Rated		Not Rated	
Tatum	4	Not Rated		Not Rated		Not Rated	
Lignum	3	Not Rated		Not Rated		Not Rated	
<b>Za:</b>							
Zion	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to hard bedrock	0.54	Depth to hard bedrock	1.00	Depth to hard bedrock	0.54
						Slope	0.13
Fluvanna	5	Not Rated		Not Rated		Not Rated	
Orange	5	Not Rated		Not Rated		Not Rated	
Elbert	4	Not Rated		Not Rated		Not Rated	
<b>ZZ900:</b>							
Other acreage	100	Not Rated		Not Rated		Not Rated	