

Table ENG-3. - Building Site Development

Henrico 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
AbB:							
Abell	85	Very limited Flooding Shrink-swell	1.00 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 0.56 0.50	Very limited Flooding Shrink-swell	1.00 0.50
Appling	8	Not Rated		Not Rated		Not Rated	
Colfax	7	Not Rated		Not Rated		Not Rated	
AfA:							
Altavista	85	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.95	Very limited Flooding	1.00
Angie	5	Not Rated		Not Rated		Not Rated	
Lenoir	5	Not Rated		Not Rated		Not Rated	
Pamunkey	5	Not Rated		Not Rated		Not Rated	
AfB:							
Altavista	85	Not limited		Somewhat limited Depth to saturated zone	0.95	Not limited	
Lenoir	8	Not Rated		Not Rated		Not Rated	
Pamunkey	7	Not Rated		Not Rated		Not Rated	
AgA:							
Angie	85	Very limited Flooding Shrink-swell Depth to saturated zone	1.00 1.00 0.44	Very limited Flooding Shrink-swell Depth to saturated zone	1.00 1.00 1.00	Very limited Flooding Shrink-swell Depth to saturated zone	1.00 1.00 0.44
Lenoir	8	Not Rated		Not Rated		Not Rated	
Pamunkey	7	Not Rated		Not Rated		Not Rated	
AgB:							
Angie	85	Very limited Shrink-swell Depth to saturated zone	1.00 0.44	Very limited Shrink-swell Depth to saturated zone	1.00 1.00	Very limited Shrink-swell Depth to saturated zone	1.00 0.44

Table ENG-3. - Building Site Development - Continued

Henrico 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
AgB:							
Lenoir	8	Not Rated		Not Rated		Not Rated	
Pamunkey	7	Not Rated		Not Rated		Not Rated	
AgB2:							
Angie	95	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to saturated zone	0.44	Depth to saturated zone	1.00	Depth to saturated zone	0.44
Pamunkey	5	Not Rated		Not Rated		Not Rated	
AgC2:							
Angie	95	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to saturated zone	0.44	Depth to saturated zone	1.00	Slope	1.00
						Depth to saturated zone	0.44
Pamunkey	5	Not Rated		Not Rated		Not Rated	
AgE2:							
Angie	95	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to saturated zone	0.44	Depth to saturated zone	1.00	Slope	0.50
						Depth to saturated zone	0.44
Pamunkey	5	Not Rated		Not Rated		Not Rated	
Ak:							
Angie variant	90	Somewhat limited		Very limited		Somewhat limited	
		Shrink-swell	0.50	Depth to saturated zone	1.00	Shrink-swell	0.50
		Depth to saturated zone	0.44	Shrink-swell	0.50	Depth to saturated zone	0.44
Angie	5	Not Rated		Not Rated		Not Rated	
Pamunkey	5	Not Rated		Not Rated		Not Rated	
AmB:							
Appling	85	Not limited		Not limited		Not limited	
Helena	8	Not Rated		Not Rated		Not Rated	
Bourne	7	Not Rated		Not Rated		Not Rated	
AmC2:							
Appling	85	Somewhat limited		Somewhat limited		Very limited	
		Slope	0.37	Slope	0.37	Slope	1.00

Table ENG-3. - Building Site Development - Continued

Henrico 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
AmC2:							
Ashlar	5	Not Rated		Not Rated		Not Rated	
Bourne	5	Not Rated		Not Rated		Not Rated	
Helena	5	Not Rated		Not Rated		Not Rated	
AmE2:							
Appling	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Ashlar	8	Not Rated		Not Rated		Not Rated	
Wedowee	7	Not Rated		Not Rated		Not Rated	
AoC3:							
Appling	85	Somewhat limited Slope	0.04	Somewhat limited Slope	0.04	Very limited Slope	1.00
Ashlar	8	Not Rated		Not Rated		Not Rated	
Wedowee	7	Not Rated		Not Rated		Not Rated	
AQ:							
Aquents	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
Chewacla	8	Not Rated		Not Rated		Not Rated	
Chastain	7	Not Rated		Not Rated		Not Rated	
AsD:							
Ashlar	85	Somewhat limited Slope	0.37	Very limited Depth to hard bedrock Slope	1.00 0.37	Very limited Slope	1.00
Appling	5	Not Rated		Not Rated		Not Rated	
Cecil	5	Not Rated		Not Rated		Not Rated	
Wedowee	5	Not Rated		Not Rated		Not Rated	
AsE:							
Ashlar	98	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
				Depth to hard bedrock	1.00		
Rock outcrops	2	Not Rated		Not Rated		Not Rated	

At:

Table ENG-3. - Building Site Development - Continued

Henrico 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
At:							
Atlee	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
Duplin	4	Not Rated		Not Rated		Not Rated	
Lynchburg	4	Not Rated		Not Rated		Not Rated	
Tetotum	4	Not Rated		Not Rated		Not Rated	
Caroline	3	Not Rated		Not Rated		Not Rated	
Be:							
Bertie	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
Buncombe	5	Not Rated		Not Rated		Not Rated	
Myatt	5	Not Rated		Not Rated		Not Rated	
Pactolus	5	Not Rated		Not Rated		Not Rated	
BoA:							
Bourne	85	Somewhat limited Depth to thin cemented pan Depth to saturated zone	1.00 0.44	Very limited Depth to thin cemented pan Depth to saturated zone	1.00 1.00	Somewhat limited Depth to thin cemented pan Depth to saturated zone	1.00 0.44
Appling	5	Not Rated		Not Rated		Not Rated	
Caroline	5	Not Rated		Not Rated		Not Rated	
Wedowee	5	Not Rated		Not Rated		Not Rated	
BoB:							
Bourne	85	Somewhat limited Depth to thin cemented pan Depth to saturated zone	1.00 0.44	Very limited Depth to thin cemented pan Depth to saturated zone	1.00 1.00	Somewhat limited Depth to thin cemented pan Depth to saturated zone	1.00 0.44
Appling	3	Not Rated		Not Rated		Not Rated	
Caroline	3	Not Rated		Not Rated		Not Rated	
Kempsville	3	Not Rated		Not Rated		Not Rated	
Norfolk	3	Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Henrico 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
BoB:							
Wedowee	3	Not Rated		Not Rated		Not Rated	
BoC:							
Bourne	85	Somewhat limited		Very limited		Very limited	
		Depth to thin cemented pan	1.00	Depth to thin cemented pan	1.00	Depth to thin cemented pan	1.00
		Depth to saturated zone	0.44	Depth to saturated zone	1.00	Slope	1.00
						Depth to saturated zone	0.44
Caroline	4	Not Rated		Not Rated		Not Rated	
Kempsville	4	Not Rated		Not Rated		Not Rated	
Wedowee	4	Not Rated		Not Rated		Not Rated	
Appling	3	Not Rated		Not Rated		Not Rated	
BP:							
Borrow pit	100	Not Rated		Not Rated		Not Rated	
Bu:							
Buncombe	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
Toccoa	8	Not Rated		Not Rated		Not Rated	
Pactolus	7	Not Rated		Not Rated		Not Rated	
CaB2:							
Caroline	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Shrink-swell	0.50	Depth to saturated zone	0.65	Shrink-swell	0.50
				Shrink-swell	0.50		
Bourne	5	Not Rated		Not Rated		Not Rated	
Duplin	5	Not Rated		Not Rated		Not Rated	
Norfolk	5	Not Rated		Not Rated		Not Rated	
CaC2:							
Caroline	85	Somewhat limited		Somewhat limited		Very limited	
		Shrink-swell	0.50	Depth to saturated zone	0.65	Slope	1.00
				Shrink-swell	0.50	Shrink-swell	0.50
Norfolk	8	Not Rated		Not Rated		Not Rated	
Duplin	7	Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Henrico 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
CaD2:							
Caroline	85	Somewhat limited Slope Shrink-swell	0.84 0.50	Somewhat limited Slope Depth to saturated zone Shrink-swell	0.84 0.65 0.50	Very limited Slope Shrink-swell	1.00 0.50
Duplin	5	Not Rated		Not Rated		Not Rated	
Norfolk	5	Not Rated		Not Rated		Not Rated	
Sassafras	5	Not Rated		Not Rated		Not Rated	
CbC3:							
Caroline	95	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone Shrink-swell	0.65 0.50	Somewhat limited Slope Shrink-swell	0.50 0.50
Duplin	5	Not Rated		Not Rated		Not Rated	
CeC2:							
Cecil	85	Not limited		Not limited		Somewhat limited Slope	0.50
Helena	4	Not Rated		Not Rated		Not Rated	
Turbeville	4	Not Rated		Not Rated		Not Rated	
Wedowee	4	Not Rated		Not Rated		Not Rated	
Bourne	3	Not Rated		Not Rated		Not Rated	
CeD2:							
Cecil	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Wedowee	8	Not Rated		Not Rated		Not Rated	
Turbeville	7	Not Rated		Not Rated		Not Rated	
CfD3:							
Cecil	40	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Turbeville	30	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell	1.00 0.50
Appling	10	Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Henrico 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
CfD3:							
Ashlar	10	Not Rated		Not Rated		Not Rated	
Wedowee	10	Not Rated		Not Rated		Not Rated	
Cg:							
Chastain	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
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Mantachie	8	Not Rated		Not Rated		Not Rated	
Chewacla	7	Not Rated		Not Rated		Not Rated	
Ch:							
Chewacla	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.44	Depth to saturated zone	1.00	Depth to saturated zone	0.44
Toccoa	8	Not Rated		Not Rated		Not Rated	
Riverview	7	Not Rated		Not Rated		Not Rated	
Ck:							
Chewacla	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.44	Depth to saturated zone	1.00	Depth to saturated zone	0.44
Riverview	5	Not Rated		Not Rated		Not Rated	
Roanoke	5	Not Rated		Not Rated		Not Rated	
Toccoa	5	Not Rated		Not Rated		Not Rated	
Cm:							
Chewacla	40	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
		Depth to saturated zone	0.44	Depth to saturated zone	1.00	Depth to saturated zone	0.44
Riverview	35	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Flooding	1.00
				Depth to saturated zone	0.16		
Altavista	5	Not Rated		Not Rated		Not Rated	
Chastain	5	Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Henrico 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
Cm:							
Colfax	5	Not Rated		Not Rated		Not Rated	
Pouncey	5	Not Rated		Not Rated		Not Rated	
Roanoke	5	Not Rated		Not Rated		Not Rated	
CoB:							
Colfax	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
		Ponding	1.00	Depth to thick cemented pan	1.00	Ponding	1.00
Pouncey	8	Not Rated		Not Rated		Not Rated	
Orange	7	Not Rated		Not Rated		Not Rated	
Cp:							
Coxville	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
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
Rains	8	Not Rated		Not Rated		Not Rated	
Atlee	7	Not Rated		Not Rated		Not Rated	
CvB:							
Creedmoor	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to saturated zone	0.44	Depth to saturated zone	1.00	Depth to saturated zone	0.44
Mayodan	8	Not Rated		Not Rated		Not Rated	
Colfax	7	Not Rated		Not Rated		Not Rated	
CvB2:							
Creedmoor	85	Very limited		Very limited		Very limited	
		Shrink-swell	1.00	Shrink-swell	1.00	Shrink-swell	1.00
		Depth to saturated zone	0.44	Depth to saturated zone	1.00	Depth to saturated zone	0.44
Mayodan	8	Not Rated		Not Rated		Not Rated	
Colfax	7	Not Rated		Not Rated		Not Rated	
CvC2:							

Table ENG-3. - Building Site Development - Continued

Henrico 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
CvC2:							
Creedmoor	90	Very limited Shrink-swell Depth to saturated zone	1.00 0.44	Very limited Shrink-swell Depth to saturated zone	1.00 1.00	Very limited Shrink-swell Slope Depth to saturated zone	1.00 1.00 1.00 0.44
Colfax	5	Not Rated		Not Rated		Not Rated	
Mayodan	5	Not Rated		Not Rated		Not Rated	
DAM:							
Dam	100	Not Rated		Not Rated		Not Rated	
DuB2:							
Duplin	85	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.44	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.44
Atlee	4	Not Rated		Not Rated		Not Rated	
Norfolk	4	Not Rated		Not Rated		Not Rated	
Ruston	4	Not Rated		Not Rated		Not Rated	
Caroline	3	Not Rated		Not Rated		Not Rated	
DuC2:							
Duplin	95	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.44	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Slope Shrink-swell Depth to saturated zone	1.00 0.50 0.44
Caroline	5	Not Rated		Not Rated		Not Rated	
DuD2:							
Duplin	85	Somewhat limited Slope Shrink-swell Depth to saturated zone	0.84 0.50 0.44	Very limited Depth to saturated zone Slope Shrink-swell	1.00 0.84 0.50	Very limited Slope Shrink-swell Depth to saturated zone	1.00 0.50 0.44
Caroline	5	Not Rated		Not Rated		Not Rated	
Ochrepts	5	Not Rated		Not Rated		Not Rated	
Udults	5	Not Rated		Not Rated		Not Rated	

DvA:

Table ENG-3. - Building Site Development - Continued

Henrico 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
DvA:							
Duplin	85	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.44	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.44
Norfolk	8	Not Rated		Not Rated		Not Rated	
Atlee	7	Not Rated		Not Rated		Not Rated	
DwC3:							
Duplin	85	Somewhat limited Shrink-swell Depth to saturated zone	0.50 0.44	Very limited Depth to saturated zone Shrink-swell	1.00 0.50	Somewhat limited Slope Shrink-swell Depth to saturated zone	0.88 0.50 0.44
Norfolk	8	Not Rated		Not Rated		Not Rated	
Caroline	7	Not Rated		Not Rated		Not Rated	
FaA:							
Faceville	85	Not limited		Not limited		Not limited	
Atlee	5	Not Rated		Not Rated		Not Rated	
Norfolk	5	Not Rated		Not Rated		Not Rated	
Ruston	5	Not Rated		Not Rated		Not Rated	
FaB2:							
Faceville	85	Not limited		Not limited		Not limited	
Ruston	8	Not Rated		Not Rated		Not Rated	
Caroline	7	Not Rated		Not Rated		Not Rated	
FL:							
Fluvaquents	100	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
Fo:							
Forestdale	85	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 1.00	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 1.00	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 1.00
Portsmouth	8	Not Rated		Not Rated		Not Rated	

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
Fo:							
Myatt	7	Not Rated		Not Rated		Not Rated	
GP:							
Gravel pit	100	Not Rated		Not Rated		Not Rated	
HeB:							
Helena	85	Somewhat limited Shrink-swell	0.50	Very limited Shrink-swell Depth to saturated zone	1.00 1.00	Somewhat limited Shrink-swell	0.50
Bourne	8	Not Rated		Not Rated		Not Rated	
Appling	7	Not Rated		Not Rated		Not Rated	
HeB2:							
Helena	85	Somewhat limited Shrink-swell	0.50	Very limited Shrink-swell Depth to saturated zone	1.00 1.00	Somewhat limited Shrink-swell	0.50
Bourne	8	Not Rated		Not Rated		Not Rated	
Appling	7	Not Rated		Not Rated		Not Rated	
HeC2:							
Helena	95	Somewhat limited Shrink-swell Slope	0.50 0.37	Very limited Shrink-swell Depth to saturated zone Slope	1.00 1.00 0.37	Very limited Slope Shrink-swell	1.00 0.50
Appling	5	Not Rated		Not Rated		Not Rated	
HS:							
Hydraquents	100	Very limited Ponding Flooding Depth to saturated zone	1.00 1.00 1.00	Very limited Ponding Flooding Depth to saturated zone	1.00 1.00 1.00	Very limited Ponding Flooding Depth to saturated zone	1.00 1.00 1.00
KaA:							
Kalmia	95	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.01	Very limited Flooding	1.00
Altavista	5	Not Rated		Not Rated		Not Rated	
KaC:							

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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
KaC:							
Kalmia	95	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.01	Very limited Flooding	1.00
Altavista	5	Not Rated		Not Rated		Not Rated	
KeA:							
Kempsville	85	Not limited		Not limited		Not limited	
Bourne	8	Not Rated		Not Rated		Not Rated	
Tetotum	7	Not Rated		Not Rated		Not Rated	
KeB:							
Kempsville	85	Not limited		Not limited		Not limited	
Tetotum	8	Not Rated		Not Rated		Not Rated	
Bourne	7	Not Rated		Not Rated		Not Rated	
KeC2:							
Kempsville	85	Not limited		Not limited		Somewhat limited Slope	0.50
Bourne	5	Not Rated		Not Rated		Not Rated	
Faceville	5	Not Rated		Not Rated		Not Rated	
Norfolk	5	Not Rated		Not Rated		Not Rated	
KeD2:							
Kempsville	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
Caroline	5	Not Rated		Not Rated		Not Rated	
KfA:							
Kempsville	95	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.15	Very limited Flooding	1.00
Emporia	5	Not Rated		Not Rated		Not Rated	
KfB:							
Kempsville	95	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.15	Very limited Flooding	1.00

Table ENG-3. - Building Site Development - Continued

Henrico 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
KfB:							
Emporia	5	Not Rated		Not Rated		Not Rated	
KgA:							
Kempsville	85	Not limited		Not limited		Not limited	
Atlee	5	Not Rated		Not Rated		Not Rated	
Caroline	5	Not Rated		Not Rated		Not Rated	
Faceville	5	Not Rated		Not Rated		Not Rated	
KgB:							
Kempsville	85	Not limited		Not limited		Not limited	
Atlee	5	Not Rated		Not Rated		Not Rated	
Caroline	5	Not Rated		Not Rated		Not Rated	
Faceville	5	Not Rated		Not Rated		Not Rated	
KgC2:							
Kempsville	85	Not limited		Not limited		Very limited Slope	1.00
Atlee	5	Not Rated		Not Rated		Not Rated	
Caroline	5	Not Rated		Not Rated		Not Rated	
Faceville	5	Not Rated		Not Rated		Not Rated	
Km:							
Kinston	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
Chastain	5	Not Rated		Not Rated		Not Rated	
Chewacla	5	Not Rated		Not Rated		Not Rated	
Mantachie	5	Not Rated		Not Rated		Not Rated	
Kn:							
Kinston	40	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

Table ENG-3. - Building Site Development - Continued

Henrico 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
Kn:							
Mantachie	35	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	25	Not Rated		Not Rated		Not Rated	
Le:							
Lenoir	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	
Atlee	3	Not Rated		Not Rated		Not Rated	
Coxville	3	Not Rated		Not Rated		Not Rated	
Lynchburg	3	Not Rated		Not Rated		Not Rated	
Roanoke	3	Not Rated		Not Rated		Not Rated	
Ly:							
Lynchburg	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
Atlee	8	Not Rated		Not Rated		Not Rated	
Rains	7	Not Rated		Not Rated		Not Rated	
Mc:							
Mantachie	40	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
Chastain	35	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
Chewacla	15	Not Rated		Not Rated		Not Rated	
Kinston	10	Not Rated		Not Rated		Not Rated	
MdB2:							
Mayodan	95	Not limited		Not limited		Not limited	

Table ENG-3. - Building Site Development - Continued

Henrico 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
MdB2:							
Creedmoor	5	Not Rated		Not Rated		Not Rated	
My:							
Myatt	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
Portsmouth	8	Not Rated		Not Rated		Not Rated	
Roanoke	7	Not Rated		Not Rated		Not Rated	
NoA:							
Norfolk	85	Not limited		Somewhat limited Depth to saturated zone	0.15	Not limited	
Bourne	8	Not Rated		Not Rated		Not Rated	
Kempsville	7	Not Rated		Not Rated		Not Rated	
NoB:							
Norfolk	85	Not limited		Somewhat limited Depth to saturated zone	0.15	Not limited	
Bourne	8	Not Rated		Not Rated		Not Rated	
Caroline	7	Not Rated		Not Rated		Not Rated	
NoC:							
Norfolk	85	Not limited		Somewhat limited Depth to saturated zone	0.15	Very limited Slope	1.00
Bourne	8	Not Rated		Not Rated		Not Rated	
Caroline	7	Not Rated		Not Rated		Not Rated	
OUA:							
Ochrepts	45	Somewhat limited Slope	0.37	Very limited Depth to saturated zone	1.00	Very limited Slope	1.00
				Slope	0.37		
Udults	30	Somewhat limited Slope	0.37	Very limited Depth to saturated zone	1.00	Very limited Slope	1.00
				Shrink-swell	0.50		
				Slope	0.37		

Table ENG-3. - Building Site Development - Continued

Henrico 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
OUF:							
Altavista	4	Not Rated		Not Rated		Not Rated	
Bourne	4	Not Rated		Not Rated		Not Rated	
Norfolk	4	Not Rated		Not Rated		Not Rated	
Ruston	4	Not Rated		Not Rated		Not Rated	
Caroline	3	Not Rated		Not Rated		Not Rated	
Kempsville	3	Not Rated		Not Rated		Not Rated	
Sassafras	3	Not Rated		Not Rated		Not Rated	
Ov:							
Ochrepts	50	Very limited Slope	1.00	Very limited Slope Depth to saturated zone	1.00 1.00	Very limited Slope	1.00
Udults	35	Very limited Slope	1.00	Very limited Slope Depth to saturated zone Shrink-swell	1.00 1.00 0.50	Very limited Slope	1.00
Caroline	5	Not Rated		Not Rated		Not Rated	
Kempsville	5	Not Rated		Not Rated		Not Rated	
Pamunkey	5	Not Rated		Not Rated		Not Rated	
OW:							
Orange	95	Very limited Flooding Shrink-swell Depth to saturated zone	1.00 1.00 1.00	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 1.00	Very limited Flooding Shrink-swell Depth to saturated zone	1.00 1.00 1.00
Colfax	5	Not Rated		Not Rated		Not Rated	
OU:							
Orthents	38	Not Rated		Not Rated		Not Rated	
Udults	32	Somewhat limited Slope	0.96	Very limited Depth to saturated zone Slope Shrink-swell	1.00 0.96 0.50	Very limited Slope	1.00
Mine pits	30	Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Henrico 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
Pa:							
Pactolus	85	Very limited Flooding Depth to saturated zone	1.00 0.44	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 0.44
Buncombe	8	Not Rated		Not Rated		Not Rated	
Lenoir	7	Not Rated		Not Rated		Not Rated	
PmA:							
Pamunkey	95	Not limited		Not limited		Not limited	
Altavista	5	Not Rated		Not Rated		Not Rated	
PmB:							
Pamunkey	95	Not limited		Not limited		Not limited	
Altavista	5	Not Rated		Not Rated		Not Rated	
PmD:							
Pamunkey	95	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Altavista	5	Not Rated		Not Rated		Not Rated	
PnC3:							
Pamunkey	95	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Altavista	5	Not Rated		Not Rated		Not Rated	
PoE:							
Pinkston	95	Very limited Slope Depth to hard bedrock Content of large stones	1.00 0.06 <0.01	Very limited Depth to hard bedrock Slope Content of large stones	1.00 1.00 <0.01	Very limited Slope Depth to hard bedrock Content of large stones	1.00 0.06 <0.01
Rock Outcrop	5	Not Rated		Not Rated		Not Rated	
Pr:							
Portsmouth	95	Very limited Flooding Depth to saturated zone Ponding	1.00 1.00 1.00	Very limited Flooding Depth to saturated zone Ponding	1.00 1.00 1.00	Very limited Flooding Depth to saturated zone Ponding	1.00 1.00 1.00
Myatt	5	Not Rated		Not Rated		Not Rated	
Ps:							

Table ENG-3. - Building Site Development - Continued

Henrico 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
Ps:							
Pouncey	95	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 1.00	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 1.00	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 1.00 1.00
Colfax	5	Not Rated		Not Rated		Not Rated	
PTB:							
Psamments	85	Not limited		Somewhat limited Depth to saturated zone	0.73	Not limited	
Altavista	3	Not Rated		Not Rated		Not Rated	
Chastain	3	Not Rated		Not Rated		Not Rated	
Chewacla	3	Not Rated		Not Rated		Not Rated	
Lenoir	2	Not Rated		Not Rated		Not Rated	
Pamunkey	2	Not Rated		Not Rated		Not Rated	
Roanoke	2	Not Rated		Not Rated		Not Rated	
Ra:							
Rains	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
Atlee	8	Not Rated		Not Rated		Not Rated	
Coxville	7	Not Rated		Not Rated		Not Rated	
Re:							
Riverview	85	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.16	Very limited Flooding	1.00
Chewacla	8	Not Rated		Not Rated		Not Rated	
Toccoa	7	Not Rated		Not Rated		Not Rated	
Ro:							
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

Table ENG-3. - Building Site Development - Continued

Henrico 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
Ro:							
Altavista	8	Not Rated		Not Rated		Not Rated	
Lenoir	7	Not Rated		Not Rated		Not Rated	
RrC:							
Rumford	85	Not limited		Not limited		Somewhat limited Slope	0.13
Kempsville	8	Not Rated		Not Rated		Not Rated	
Norfolk	7	Not Rated		Not Rated		Not Rated	
RuA:							
Ruston	85	Not limited		Not limited		Not limited	
Faceville	8	Not Rated		Not Rated		Not Rated	
Norfolk	7	Not Rated		Not Rated		Not Rated	
RuB:							
Ruston	85	Not limited		Not limited		Not limited	
Faceville	8	Not Rated		Not Rated		Not Rated	
Norfolk	7	Not Rated		Not Rated		Not Rated	
RuC2:							
Ruston	85	Not limited		Not limited		Very limited Slope	1.00
Faceville	8	Not Rated		Not Rated		Not Rated	
Norfolk	7	Not Rated		Not Rated		Not Rated	
SsA:							
Sassafras	85	Not limited		Not limited		Not limited	
Kempsville	8	Not Rated		Not Rated		Not Rated	
Ruston	7	Not Rated		Not Rated		Not Rated	
SsB:							
Sassafras	85	Not limited		Not limited		Not limited	
Kempsville	8	Not Rated		Not Rated		Not Rated	
Ruston	7	Not Rated		Not Rated		Not Rated	
StA:							

Table ENG-3. - Building Site Development - Continued

Henrico 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
StA:							
State	85	Not limited		Somewhat limited Depth to saturated zone	0.15	Not limited	
Bourne	8	Not Rated		Not Rated		Not Rated	
Turbeville	7	Not Rated		Not Rated		Not Rated	
StB:							
State	85	Not limited		Somewhat limited Depth to saturated zone	0.15	Not limited	
Bourne	8	Not Rated		Not Rated		Not Rated	
Turbeville	7	Not Rated		Not Rated		Not Rated	
StC2:							
State	95	Not limited		Somewhat limited Depth to saturated zone	0.15	Very limited Slope	1.00
Bourne	5	Not Rated		Not Rated		Not Rated	
SvB:							
State	85	Not limited		Somewhat limited Depth to saturated zone	0.15	Not limited	
Bourne	8	Not Rated		Not Rated		Not Rated	
Turbeville	7	Not Rated		Not Rated		Not Rated	
Td:							
Tetotum	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
Lynchburg	8	Not Rated		Not Rated		Not Rated	
Norfolk	7	Not Rated		Not Rated		Not Rated	
Te:							
Tetotum	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
Lynchburg	8	Not Rated		Not Rated		Not Rated	
Norfolk	7	Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Henrico 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
To:							
Toccoa	85	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.15	Very limited Flooding	1.00
Buncombe	5	Not Rated		Not Rated		Not Rated	
Chewacla	5	Not Rated		Not Rated		Not Rated	
Riverview	5	Not Rated		Not Rated		Not Rated	
TuA:							
Turbeville	95	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50
Kempsville	5	Not Rated		Not Rated		Not Rated	
TuB:							
Turbeville	95	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50
Kempsville	5	Not Rated		Not Rated		Not Rated	
TuC2:							
Turbeville	85	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Very limited Slope Shrink-swell	1.00 0.50
Appling	5	Not Rated		Not Rated		Not Rated	
Cecil	5	Not Rated		Not Rated		Not Rated	
Kempsville	5	Not Rated		Not Rated		Not Rated	
TvB:							
Turbeville	95	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50
Kempsville	5	Not Rated		Not Rated		Not Rated	
TvC:							
Turbeville	95	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Very limited Slope Shrink-swell	1.00 0.50
Kempsville	5	Not Rated		Not Rated		Not Rated	
UD:							
Udorthents	85	Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Henrico 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
UD:							
Appling	3	Not Rated		Not Rated		Not Rated	
Caroline	2	Not Rated		Not Rated		Not Rated	
Cecil	2	Not Rated		Not Rated		Not Rated	
Creedmoor	2	Not Rated		Not Rated		Not Rated	
Duplin	2	Not Rated		Not Rated		Not Rated	
Mayodan	2	Not Rated		Not Rated		Not Rated	
Turbeville	2	Not Rated		Not Rated		Not Rated	
UE:							
Udorthents	85	Not Rated		Not Rated		Not Rated	
Duplin	2	Not Rated		Not Rated		Not Rated	
Kempsville	2	Not Rated		Not Rated		Not Rated	
Pamunkey	2	Not Rated		Not Rated		Not Rated	
Altavista	1	Not Rated		Not Rated		Not Rated	
Angie	1	Not Rated		Not Rated		Not Rated	
Atlee	1	Not Rated		Not Rated		Not Rated	
Bourne	1	Not Rated		Not Rated		Not Rated	
Chewacla	1	Not Rated		Not Rated		Not Rated	
Kinston	1	Not Rated		Not Rated		Not Rated	
Norfolk	1	Not Rated		Not Rated		Not Rated	
State	1	Not Rated		Not Rated		Not Rated	
Turbeville	1	Not Rated		Not Rated		Not Rated	
UR:							
Urban land	100	Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	
WeB:							
Wedowee	85	Not limited		Not limited		Not limited	
Bourne	8	Not Rated		Not Rated		Not Rated	

Table ENG-3. - Building Site Development - Continued

Henrico 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
WeB:							
Helena	7	Not Rated		Not Rated		Not Rated	
WeD:							
Wedowee	85	Somewhat limited Slope	0.37	Somewhat limited Slope	0.37	Very limited Slope	1.00
Bourne	8	Not Rated		Not Rated		Not Rated	
Helena	7	Not Rated		Not Rated		Not Rated	