

Table ENG-3. - Building Site Development

Charles City 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 |
| 1A: | | | | | | | |
| Altavista | 80 | Somewhat limited Depth to saturated zone | 0.39 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Depth to saturated zone | 0.39 |
| Tomotley | | Not Rated | | Not Rated | | Not Rated | |
| 2A: | | | | | | | |
| Augusta | 80 | Somewhat limited Depth to saturated zone | 0.98 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Depth to saturated zone | 0.98 |
| Tomotley | | Not Rated | | Not Rated | | Not Rated | |
| 3A: | | | | | | | |
| Bethera | 80 | Very limited Depth to saturated zone Ponding Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to saturated zone Ponding Shrink-swell | 1.00 1.00 0.50 | Very limited Depth to saturated zone Ponding Shrink-swell | 1.00 1.00 0.50 |
| 4A: | | | | | | | |
| Bibb | 80 | 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 |
| 5A: | | | | | | | |
| Bojac | 80 | Not limited | | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| 5B: | | | | | | | |
| Bojac | 80 | Not limited | | Somewhat limited Depth to saturated zone | 0.15 | Not limited | |
| 6B: | | | | | | | |
| Caroline | 80 | Somewhat limited Shrink-swell | 0.50 | Somewhat limited Shrink-swell Depth to saturated zone | 0.50 0.47 | Somewhat limited Shrink-swell | 0.50 |
| 7B: | | | | | | | |
| Caroline | 50 | Somewhat limited Shrink-swell | 0.50 | Somewhat limited Shrink-swell Depth to saturated zone | 0.50 0.47 | Somewhat limited Shrink-swell | 0.50 |

Table ENG-3. - Building Site Development - Continued

Charles City 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 |
| 7B: | | | | | | | |
| Emporia | 30 | Not limited | | Somewhat limited | | Not limited | |
| | | | | Depth to saturated zone | 0.73 | | |
| | | | | Shrink-swell | 0.50 | | |
| 7C: | | | | | | | |
| Caroline | 50 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Slope | 1.00 |
| | | | | Depth to saturated zone | 0.47 | Shrink-swell | 0.50 |
| Emporia | 30 | Not limited | | Somewhat limited | | Very limited | |
| | | | | Depth to saturated zone | 0.73 | Slope | 1.00 |
| | | | | Shrink-swell | 0.50 | | |
| 8B: | | | | | | | |
| Catpoint | 80 | Not limited | | Somewhat limited | | Not limited | |
| | | | | Depth to saturated zone | 0.15 | | |
| Nimmo | | Not Rated | | Not Rated | | Not Rated | |
| 9A: | | | | | | | |
| Chickahominy | 80 | 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 | 1.00 | Shrink-swell | 1.00 | Shrink-swell | 1.00 |
| 10A: | | | | | | | |
| Chickahominy | 80 | 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 | 1.00 | Shrink-swell | 1.00 | Shrink-swell | 1.00 |
| | | Ponding | 1.00 | Ponding | 1.00 | Ponding | 1.00 |
| 11B: | | | | | | | |
| Conetoe | 80 | Not limited | | Not limited | | Not limited | |
| 12B: | | | | | | | |
| Craven | 80 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Shrink-swell | 0.50 | Depth to saturated zone | 1.00 | Shrink-swell | 0.50 |
| | | | | Shrink-swell | 0.50 | | |
| 13C3: | | | | | | | |
| Craven | 80 | Not limited | | Very limited | | Very limited | |
| | | | | Depth to saturated zone | 1.00 | Slope | 1.00 |
| 14B: | | | | | | | |

Table ENG-3. - Building Site Development - Continued

Charles City 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 |
| 14B: | | | | | | | |
| Craven | 55 | Somewhat limited Shrink-swell | 0.50 | Very limited Depth to saturated zone Shrink-swell | 1.00 0.50 | Somewhat limited Shrink-swell | 0.50 |
| Caroline | 25 | Somewhat limited Shrink-swell | 0.50 | Somewhat limited Shrink-swell Depth to saturated zone | 0.50 0.47 | Somewhat limited Shrink-swell | 0.50 |
| 15C3: | | | | | | | |
| Craven | 55 | Not limited | | Very limited Depth to saturated zone | 1.00 | Very limited Slope | 1.00 |
| Caroline | 25 | Somewhat limited Shrink-swell | 0.50 | Somewhat limited Shrink-swell Depth to saturated zone | 0.50 0.47 | Very limited Slope Shrink-swell | 1.00 0.50 |
| 16C: | | | | | | | |
| Craven | 50 | Somewhat limited Shrink-swell | 0.50 | Very limited Depth to saturated zone Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Remlik | 30 | Not limited | | Somewhat limited Depth to saturated zone | 0.15 | Very limited Slope | 1.00 |
| 17C: | | | | | | | |
| Craven | 40 | Somewhat limited Shrink-swell | 0.50 | Very limited Depth to saturated zone Shrink-swell | 1.00 0.50 | Very limited Slope Shrink-swell | 1.00 0.50 |
| Uchee | 40 | Not limited | | Somewhat limited Shrink-swell Depth to saturated zone | 0.50 0.47 | Very limited Slope | 1.00 |
| 18A: | | | | | | | |
| Dogue | 80 | Somewhat limited Shrink-swell Depth to saturated zone | 0.50 0.07 | Very limited Depth to saturated zone Shrink-swell | 1.00 0.50 | Somewhat limited Shrink-swell Depth to saturated zone | 0.50 0.07 |
| 18B: | | | | | | | |

Table ENG-3. - Building Site Development - Continued

Charles City 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 |
| 18B: | | | | | | | |
| Dogue | 80 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Shrink-swell | 0.50 | Depth to saturated zone | 1.00 | Shrink-swell | 0.50 |
| | | Depth to saturated zone | 0.07 | Shrink-swell | 0.50 | Depth to saturated zone | 0.07 |
| 18C: | | | | | | | |
| Dogue | 80 | Somewhat limited | | Very limited | | Very limited | |
| | | Shrink-swell | 0.50 | Depth to saturated zone | 1.00 | Slope | 1.00 |
| | | Depth to saturated zone | 0.07 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| | | | | | | Depth to saturated zone | 0.07 |
| 19A: | | | | | | | |
| Dragston | 80 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Depth to saturated zone | 0.81 | Depth to saturated zone | 1.00 | Depth to saturated zone | 0.81 |
| Nimmo | | Not Rated | | Not Rated | | Not Rated | |
| 20B: | | | | | | | |
| Emporia | 80 | Not limited | | Somewhat limited | | Not limited | |
| | | | | Depth to saturated zone | 0.73 | | |
| | | | | Shrink-swell | 0.50 | | |
| 21B: | | | | | | | |
| Emporia | 80 | Somewhat limited | | Somewhat limited | | Somewhat limited | |
| | | Shrink-swell | 0.50 | Depth to saturated zone | 0.73 | Shrink-swell | 0.50 |
| | | | | Shrink-swell | 0.50 | | |
| 22B: | | | | | | | |
| Emporia | 80 | Somewhat limited | | Somewhat limited | | Somewhat limited | |
| | | Shrink-swell | 0.50 | Depth to saturated zone | 0.73 | Shrink-swell | 0.50 |
| | | | | Shrink-swell | 0.50 | | |
| 23B: | | | | | | | |
| Emporia | 50 | Not limited | | Somewhat limited | | Not limited | |
| | | | | Depth to saturated zone | 0.73 | | |
| | | | | Shrink-swell | 0.50 | | |
| Kempsville | 30 | Not limited | | Not limited | | Not limited | |
| 24B: | | | | | | | |
| Izagora | 80 | Not limited | | Very limited | | Not limited | |
| | | | | Depth to saturated zone | 1.00 | | |
| 25B: | | | | | | | |

Table ENG-3. - Building Site Development - Continued

Charles City 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 |
| 25B: | | | | | | | |
| Kempsville | 80 | Not limited | | Not limited | | Not limited | |
| 26A: | | | | | | | |
| Lawnes | 80 | Very limited | | Very limited | | Very limited | |
| | | Ponding | 1.00 | Ponding | 1.00 | Ponding | 1.00 |
| | | 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 |
| 27B: | | | | | | | |
| Masada | 80 | Somewhat limited | | Somewhat limited | | Somewhat limited | |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| 28B3: | | | | | | | |
| Masada | 80 | Somewhat limited | | Somewhat limited | | Somewhat limited | |
| | | Shrink-swell | 0.50 | Shrink-swell | 0.50 | Shrink-swell | 0.50 |
| 29A: | | | | | | | |
| Mattan | 80 | Very limited | | Very limited | | Very limited | |
| | | Ponding | 1.00 | Ponding | 1.00 | Ponding | 1.00 |
| | | 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 |
| 30A: | | | | | | | |
| Munden | 80 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Depth to saturated zone | 0.39 | Depth to saturated zone | 1.00 | Depth to saturated zone | 0.39 |
| Nimmo | | Not Rated | | Not Rated | | Not Rated | |
| 31A: | | | | | | | |
| Nahunta | 80 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Depth to saturated zone | 0.81 | Depth to saturated zone | 1.00 | Depth to saturated zone | 0.81 |
| WET SPOTS | | Not Rated | | Not Rated | | Not Rated | |
| 32B: | | | | | | | |
| Nansemond | 80 | Somewhat limited | | Very limited | | Somewhat limited | |
| | | Depth to saturated zone | 0.39 | Depth to saturated zone | 1.00 | Depth to saturated zone | 0.39 |
| WET SPOTS | | Not Rated | | Not Rated | | Not Rated | |
| 33A: | | | | | | | |

Table ENG-3. - Building Site Development - Continued

Charles City 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 |
| 33A: | | | | | | | |
| Nawney | 80 | 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 |
| 34A: | | | | | | | |
| Nawney | 80 | Very limited | | Very limited | | Very limited | |
| | | Ponding | 1.00 | Ponding | 1.00 | Ponding | 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 |
| 35D: | | | | | | | |
| Nevarc | 45 | Somewhat limited | | Very limited | | Very limited | |
| | | Slope | 0.84 | Depth to saturated zone | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | Slope | 0.84 | Shrink-swell | 0.50 |
| | | Depth to saturated zone | 0.07 | Shrink-swell | 0.50 | Depth to saturated zone | 0.07 |
| Remlik | 35 | Somewhat limited | | Somewhat limited | | Very limited | |
| | | Slope | 0.84 | Slope | 0.84 | Slope | 1.00 |
| | | | | Depth to saturated zone | 0.15 | | |
| 35E: | | | | | | | |
| Nevarc | 45 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | Depth to saturated zone | 1.00 | Shrink-swell | 0.50 |
| | | Depth to saturated zone | 0.07 | Shrink-swell | 0.50 | Depth to saturated zone | 0.07 |
| Remlik | 35 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | | | Depth to saturated zone | 0.15 | | |
| 35F: | | | | | | | |
| Nevarc | 45 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | Shrink-swell | 0.50 | Depth to saturated zone | 1.00 | Shrink-swell | 0.50 |
| | | Depth to saturated zone | 0.07 | Shrink-swell | 0.50 | Depth to saturated zone | 0.07 |
| Remlik | 35 | Very limited | | Very limited | | Very limited | |
| | | Slope | 1.00 | Slope | 1.00 | Slope | 1.00 |
| | | | | Depth to saturated zone | 0.15 | | |

36A:

Table ENG-3. - Building Site Development - Continued

Charles City 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 |
| 36A: | | | | | | | |
| Newflat | 80 | Very limited Shrink-swell Depth to saturated zone | 1.00 1.00 | Very limited Depth to saturated zone Shrink-swell | 1.00 1.00 | Very limited Shrink-swell Depth to saturated zone | 1.00 1.00 |
| 37A: | | | | | | | |
| Nimmo | 80 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| WET SPOTS | | Not Rated | | Not Rated | | Not Rated | |
| 38A: | | | | | | | |
| Pamunkey | 80 | Not limited | | Not limited | | Not limited | |
| 38B: | | | | | | | |
| Pamunkey | 80 | Not limited | | Not limited | | Not limited | |
| 38C: | | | | | | | |
| Pamunkey | 80 | Not limited | | Not limited | | Very limited Slope | 1.00 |
| 39A: | | | | | | | |
| Peawick | 80 | Very limited Shrink-swell Depth to saturated zone | 1.00 0.07 | Very limited Shrink-swell Depth to saturated zone | 1.00 1.00 | Very limited Shrink-swell Depth to saturated zone | 1.00 0.07 |
| 39B: | | | | | | | |
| Peawick | 80 | Very limited Shrink-swell Depth to saturated zone | 1.00 0.07 | Very limited Shrink-swell Depth to saturated zone | 1.00 1.00 | Very limited Shrink-swell Depth to saturated zone | 1.00 0.07 |
| 40A: | | | | | | | |
| Roanoke | 80 | 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 |
| 41A: | | | | | | | |
| Seabrook | 80 | Not limited | | Somewhat limited Depth to saturated zone | 0.95 | Not limited | |
| 42B: | | | | | | | |
| Slagle | 80 | Somewhat limited Shrink-swell Depth to saturated zone | 0.50 0.07 | Very limited Depth to saturated zone Shrink-swell | 1.00 0.50 | Somewhat limited Shrink-swell Depth to saturated zone | 0.50 0.07 |

Table ENG-3. - Building Site Development - Continued

Charles City 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 |
| 43B: | | | | | | | |
| Slagle | 45 | Somewhat limited Shrink-swell Depth to saturated zone | 0.50 0.07 | Very limited Depth to saturated zone Shrink-swell | 1.00 0.50 | Somewhat limited Shrink-swell Depth to saturated zone | 0.50 0.07 |
| Emporia | 35 | Not limited | | Somewhat limited Depth to saturated zone Shrink-swell | 0.73 0.50 | Not limited | |
| 44A: | | | | | | | |
| Tomotley | 80 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 | Very limited Depth to saturated zone | 1.00 |
| 45B: | | | | | | | |
| Turbeville | 80 | Somewhat limited Shrink-swell | 0.50 | Somewhat limited Shrink-swell | 0.50 | Somewhat limited Shrink-swell | 0.50 |
| 46B: | | | | | | | |
| Uchee | 80 | Not limited | | Somewhat limited Shrink-swell Depth to saturated zone | 0.50 0.47 | Not limited | |
| 47B: | | | | | | | |
| Udorthents | 80 | Not Rated | | Not Rated | | Not Rated | |
| 48B: | | | | | | | |
| Udorthents | 80 | Not Rated | | Not Rated | | Not Rated | |
| 49A: | | | | | | | |
| Wickham | 80 | Not limited | | Not limited | | Not limited | |
| 49B: | | | | | | | |
| Wickham | 80 | Not limited | | Not limited | | Not limited | |
| 50B3: | | | | | | | |
| Wickham | 80 | Not limited | | Not limited | | Not limited | |
| 51A: | | | | | | | |
| Yeopim | 80 | Somewhat limited Depth to saturated zone | 0.07 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Depth to saturated zone | 0.07 |
| 51B: | | | | | | | |
| Yeopim | 80 | Somewhat limited Depth to saturated zone | 0.07 | Very limited Depth to saturated zone | 1.00 | Somewhat limited Depth to saturated zone | 0.07 |

W:

Table ENG-3. - Building Site Development - Continued

Charles City 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 |
| W: Water | 100 | Not Rated | | Not Rated | | Not Rated | |