

## Table ENG-2. - Construction Materials

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 columns range from 0.00 to 0.99. The smaller the value, the greater the limitation.

| Map Symbol and Soil Name | Pct of Map Unit | Potential Source of Reclamation Material |       | Potential Source of Roadfill       |       | Potential Source of Topsoil        |       |
|--------------------------|-----------------|--|-------|------------------------------------|-------|------------------------------------|-------|
|                          |                 | Rating Class and Limiting Features       | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| 1A:                      |                 |  |       |                                    |       |                                    |       |
| Altavista                | 80              | Fair                                     |       | Fair                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Depth to saturated zone            | 0.53  | Depth to saturated zone            | 0.53  |
|                          |                 | Too acid                                 | 0.21  | Low strength                       | 0.78  | Too acid                           | 0.76  |
| Tomotley                 |                 | Not Rated                                |       | Not Rated                          |       | Not Rated                          |       |
| 2A:                      |                 |  |       |                                    |       |                                    |       |
| Augusta                  | 80              | Fair                                     |       | Fair                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Depth to saturated zone            | 0.14  | Depth to saturated zone            | 0.14  |
|                          |                 | Too acid                                 | 0.54  |                                    |       | Too acid                           | 0.98  |
| Tomotley                 |                 | Not Rated                                |       | Not Rated                          |       | Not Rated                          |       |
| 3A:                      |                 |  |       |                                    |       |                                    |       |
| Bethera                  | 80              | Fair                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.08  | Depth to saturated zone            | 0.00  | Depth to saturated zone            | 0.00  |
|                          |                 | Too acid                                 | 0.50  | Low strength                       | 0.00  | Too Clayey                         | 0.06  |
|                          |                 | Low content of organic matter            | 0.88  | Shrink-swell                       | 0.89  | Too acid                           | 0.76  |
| 4A:                      |                 |  |       |                                    |       |                                    |       |
| Bibb                     | 80              | Fair                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too acid                                 | 0.50  | Depth to saturated zone            | 0.00  | Depth to saturated zone            | 0.00  |
|                          |                 | Low content of organic matter            | 0.88  |                                    |       | Too acid                           | 0.60  |
|                          |                 | Water erosion                            | 0.99  |                                    |       | Rock fragments                     | 0.88  |
| 5A:                      |                 |  |       |                                    |       |                                    |       |
| Bojac                    | 80              | Poor                                     |       | Good                               |       | Fair                               |       |
|                          |                 | Wind erosion                             | 0.00  |                                    |       | Too acid                           | 0.92  |
|                          |                 | Low content of organic matter            | 0.13  |                                    |       |                                    |       |
|                          |                 | Too acid                                 | 0.50  |                                    |       |                                    |       |
| 5B:                      |                 |  |       |                                    |       |                                    |       |
| Bojac                    | 80              | Poor                                     |       | Good                               |       | Fair                               |       |
|                          |                 | Wind erosion                             | 0.00  |                                    |       | Too acid                           | 0.92  |
|                          |                 | Low content of organic matter            | 0.13  |                                    |       |                                    |       |
|                          |                 | Too acid                                 | 0.50  |                                    |       |                                    |       |
| 6B:                      |                 |  |       |                                    |       |                                    |       |

**Table ENG-2. - Construction Materials - Continued**

Charles City County, Virginia

| Map Symbol and Soil Name | Pct of Map Unit | Potential Source of Reclamation Material |       | Potential Source of Roadfill       |       | Potential Source of Topsoil        |       |
|--------------------------|-----------------|--|-------|------------------------------------|-------|------------------------------------|-------|
|                          |                 | Rating Class and Limiting Features       | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| 6B:                      |                 |  |       |                                    |       |                                    |       |
| Caroline                 | 80              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Shrink-swell                       | 0.87  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  |                                    |       |                                    |       |
| 7B:                      |                 |  |       |                                    |       |                                    |       |
| Caroline                 | 50              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Shrink-swell                       | 0.87  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  |                                    |       |                                    |       |
| Emporia                  | 30              | Fair                                     |       | Poor                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Low strength                       | 0.00  | Rock fragments                     | 0.88  |
|                          |                 | Too acid                                 | 0.54  | Shrink-swell                       | >0.99 | Too acid                           | 0.98  |
| 7C:                      |                 |  |       |                                    |       |                                    |       |
| Caroline                 | 50              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Shrink-swell                       | 0.87  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  |                                    |       |                                    |       |
| Emporia                  | 30              | Fair                                     |       | Poor                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Low strength                       | 0.00  | Rock fragments                     | 0.88  |
|                          |                 | Too acid                                 | 0.54  | Shrink-swell                       | >0.99 | Too acid                           | 0.98  |
| 8B:                      |                 |  |       |                                    |       |                                    |       |
| Catpoint                 | 80              | Poor                                     |       | Good                               |       | Fair                               |       |
|                          |                 | Wind erosion                             | 0.00  |                                    |       | Too sandy                          | 0.30  |
|                          |                 | Droughty                                 | 0.08  |                                    |       | Rock fragments                     | 0.50  |
|                          |                 | Low content of organic matter            | 0.13  |                                    |       |                                    |       |
| Nimmo                    |                 | Not Rated                                |       | Not Rated                          |       | Not Rated                          |       |
| 9A:                      |                 |  |       |                                    |       |                                    |       |
| Chickahominy             | 80              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Depth to saturated zone            | 0.00  | Depth to saturated zone            | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Too acid                                 | 0.50  | Shrink-swell                       | 0.13  | Too acid                           | 0.60  |
| 10A:                     |                 |  |       |                                    |       |                                    |       |

**Table ENG-2. - Construction Materials - Continued**

Charles City County, Virginia

| Map Symbol and Soil Name | Pct of Map Unit | Potential Source of Reclamation Material |       | Potential Source of Roadfill       |       | Potential Source of Topsoil        |       |
|--------------------------|-----------------|--|-------|------------------------------------|-------|------------------------------------|-------|
|                          |                 | Rating Class and Limiting Features       | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| 10A:                     |                 |  |       |                                    |       |                                    |       |
| Chickahominy             | 80              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Depth to saturated zone            | 0.00  | Depth to saturated zone            | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Too acid                                 | 0.50  | Shrink-swell                       | 0.13  | Too acid                           | 0.60  |
| 11B:                     |                 |  |       |                                    |       |                                    |       |
| Conetoe                  | 80              | Poor                                     |       | Good                               |       | Poor                               |       |
|                          |                 | Wind erosion                             | 0.00  |                                    |       | Too sandy                          | 0.00  |
|                          |                 | Too sandy                                | 0.00  |                                    |       | Too acid                           | 0.98  |
|                          |                 | Low content of organic matter            | 0.13  |                                    |       |                                    |       |
| 12B:                     |                 |  |       |                                    |       |                                    |       |
| Craven                   | 80              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Shrink-swell                       | 0.87  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  | Depth to saturated zone            | 0.89  | Depth to saturated zone            | 0.89  |
| 13C3:                    |                 |  |       |                                    |       |                                    |       |
| Craven                   | 80              | Fair                                     |       | Fair                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Depth to saturated zone            | 0.89  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  |                                    |       | Depth to saturated zone            | 0.89  |
|                          |                 | Water erosion                            | 0.99  |                                    |       |                                    |       |
| 14B:                     |                 |  |       |                                    |       |                                    |       |
| Craven                   | 55              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Shrink-swell                       | 0.87  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  | Depth to saturated zone            | 0.89  | Depth to saturated zone            | 0.89  |
| Caroline                 |                 |  |       |                                    |       |                                    |       |
|                          | 25              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Shrink-swell                       | 0.87  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  |                                    |       |                                    |       |
| 15C3:                    |                 |  |       |                                    |       |                                    |       |
| Craven                   | 55              | Fair                                     |       | Fair                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Depth to saturated zone            | 0.89  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  |                                    |       | Depth to saturated zone            | 0.89  |
|                          |                 | Water erosion                            | 0.99  |                                    |       |                                    |       |

**Table ENG-2. - Construction Materials - Continued**

Charles City County, Virginia

| Map Symbol and Soil Name | Pct of Map Unit | Potential Source of Reclamation Material |       | Potential Source of Roadfill       |       | Potential Source of Topsoil        |       |
|--------------------------|-----------------|--|-------|------------------------------------|-------|------------------------------------|-------|
|                          |                 | Rating Class and Limiting Features       | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| 15C3:                    |                 |  |       |                                    |       |                                    |       |
| Caroline                 | 25              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Shrink-swell                       | 0.87  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  |                                    |       |                                    |       |
| 16C:                     |                 |  |       |                                    |       |                                    |       |
| Craven                   | 50              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Shrink-swell                       | 0.87  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  | Depth to saturated zone            | 0.89  | Depth to saturated zone            | 0.89  |
| Remlik                   | 30              | Poor                                     |       | Good                               |       | Poor                               |       |
|                          |                 | Too sandy                                | 0.00  |                                    |       | Too sandy                          | 0.00  |
|                          |                 | Wind erosion                             | 0.00  |                                    |       | Too acid                           | 0.76  |
|                          |                 | Too acid                                 | 0.21  |                                    |       | Rock fragments                     | 0.88  |
| 17C:                     |                 |  |       |                                    |       |                                    |       |
| Craven                   | 40              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Shrink-swell                       | 0.87  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  | Depth to saturated zone            | 0.89  | Depth to saturated zone            | 0.89  |
| Uchee                    | 40              | Poor                                     |       | Fair                               |       | Poor                               |       |
|                          |                 | Wind erosion                             | 0.00  | Low strength                       | 0.78  | Too sandy                          | 0.00  |
|                          |                 | Too sandy                                | 0.00  | Shrink-swell                       | >0.99 | Too acid                           | 0.88  |
|                          |                 | Low content of organic matter            | 0.13  |                                    |       |                                    |       |
| 18A:                     |                 |  |       |                                    |       |                                    |       |
| Dogue                    | 80              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Depth to saturated zone            | 0.76  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  | Shrink-swell                       | 0.89  | Depth to saturated zone            | 0.76  |
| 18B:                     |                 |  |       |                                    |       |                                    |       |
| Dogue                    | 80              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Depth to saturated zone            | 0.76  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  | Shrink-swell                       | 0.89  | Depth to saturated zone            | 0.76  |
| 18C:                     |                 |  |       |                                    |       |                                    |       |

**Table ENG-2. - Construction Materials - Continued**

Charles City County, Virginia

| Map Symbol and Soil Name | Pct of Map Unit | Potential Source of Reclamation Material |       | Potential Source of Roadfill       |       | Potential Source of Topsoil        |       |
|--------------------------|-----------------|--|-------|------------------------------------|-------|------------------------------------|-------|
|                          |                 | Rating Class and Limiting Features       | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| 18C:                     |                 |  |       |                                    |       |                                    |       |
| Dogue                    | 80              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Depth to saturated zone            | 0.76  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  | Shrink-swell                       | 0.89  | Depth to saturated zone            | 0.76  |
| 19A:                     |                 |  |       |                                    |       |                                    |       |
| Dragston                 | 80              | Fair                                     |       | Fair                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Depth to saturated zone            | 0.29  | Depth to saturated zone            | 0.29  |
|                          |                 | Too acid                                 | 0.50  |                                    |       | Too acid                           | 0.88  |
| Nimmo                    |                 | Not Rated                                |       | Not Rated                          |       | Not Rated                          |       |
| 20B:                     |                 |  |       |                                    |       |                                    |       |
| Emporia                  | 80              | Fair                                     |       | Poor                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Low strength                       | 0.00  | Rock fragments                     | 0.88  |
|                          |                 | Too acid                                 | 0.54  | Shrink-swell                       | >0.99 | Too acid                           | 0.98  |
| 21B:                     |                 |  |       |                                    |       |                                    |       |
| Emporia                  | 80              | Fair                                     |       | Fair                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Shrink-swell                       | 0.97  | Rock fragments                     | 0.50  |
|                          |                 | Too acid                                 | 0.54  |                                    |       | Too acid                           | 0.98  |
| 22B:                     |                 |  |       |                                    |       |                                    |       |
| Emporia                  | 80              | Fair                                     |       | Poor                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Low strength                       | 0.00  | Rock fragments                     | 0.88  |
|                          |                 | Too acid                                 | 0.54  | Shrink-swell                       | 0.97  | Too acid                           | 0.98  |
| 23B:                     |                 |  |       |                                    |       |                                    |       |
| Emporia                  | 50              | Fair                                     |       | Poor                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Low strength                       | 0.00  | Rock fragments                     | 0.88  |
|                          |                 | Too acid                                 | 0.54  | Shrink-swell                       | >0.99 | Too acid                           | 0.98  |
| Kempsville               | 30              | Poor                                     |       | Good                               |       | Fair                               |       |
|                          |                 | Wind erosion                             | 0.00  |                                    |       | Rock fragments                     | 0.88  |
|                          |                 | Too acid                                 | 0.54  |                                    |       | Too acid                           | 0.98  |
|                          |                 | Low content of organic matter            | 0.88  |                                    |       |                                    |       |
| 24B:                     |                 |  |       |                                    |       |                                    |       |
| Izagora                  | 80              | Fair                                     |       | Poor                               |       | Fair                               |       |
|                          |                 | Too acid                                 | 0.12  | Low strength                       | 0.00  | Too acid                           | 0.60  |
|                          |                 | Low content of organic matter            | 0.13  | Depth to saturated zone            | 0.89  | Depth to saturated zone            | 0.89  |
|                          |                 | Water erosion                            | 0.99  |                                    |       |                                    |       |

**Table ENG-2. - Construction Materials - Continued**

Charles City County, Virginia

| Map Symbol and Soil Name | Pct of Map Unit | Potential Source of Reclamation Material |       | Potential Source of Roadfill       |       | Potential Source of Topsoil        |       |
|--------------------------|-----------------|--|-------|------------------------------------|-------|------------------------------------|-------|
|                          |                 | Rating Class and Limiting Features       | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| 25B:                     |                 |  |       |                                    |       |                                    |       |
| Kempsville               | 80              | Poor                                     |       | Good                               |       | Fair                               |       |
|                          |                 | Wind erosion                             | 0.00  |                                    |       | Rock fragments                     | 0.88  |
|                          |                 | Too acid                                 | 0.54  |                                    |       | Too acid                           | 0.98  |
|                          |                 | Low content of organic matter            | 0.88  |                                    |       |                                    |       |
| 26A:                     |                 |  |       |                                    |       |                                    |       |
| Lawnes                   | 80              | Fair                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Sodium content                           | 0.61  | Depth to saturated zone            | 0.00  | Depth to saturated zone            | 0.00  |
|                          |                 | Too acid                                 | 0.97  |                                    |       | Sodium content                     | 0.61  |
|                          |                 |  |       |                                    |       | Salinity                           | 0.97  |
| 27B:                     |                 |  |       |                                    |       |                                    |       |
| Masada                   | 80              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Shrink-swell                       | 0.87  | Too acid                           | 0.88  |
|                          |                 | Too acid                                 | 0.32  |                                    |       |                                    |       |
| 28B3:                    |                 |  |       |                                    |       |                                    |       |
| Masada                   | 80              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Shrink-swell                       | 0.87  | Too acid                           | 0.88  |
|                          |                 | Too acid                                 | 0.32  |                                    |       |                                    |       |
| 29A:                     |                 |  |       |                                    |       |                                    |       |
| Mattan                   | 80              | Fair                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too acid                                 | 0.50  | Depth to saturated zone            | 0.00  | Depth to saturated zone            | 0.00  |
|                          |                 |  |       |                                    |       | Content of organic matter          | 0.00  |
|                          |                 |  |       |                                    |       | Too acid                           | 0.50  |
| 30A:                     |                 |  |       |                                    |       |                                    |       |
| Munden                   | 80              | Poor                                     |       | Fair                               |       | Fair                               |       |
|                          |                 | Wind erosion                             | 0.00  | Depth to saturated zone            | 0.53  | Depth to saturated zone            | 0.53  |
|                          |                 | Low content of organic matter            | 0.13  |                                    |       | Too acid                           | 0.98  |
|                          |                 | Too acid                                 | 0.54  |                                    |       |                                    |       |
| Nimmo                    |                 | Not Rated                                |       | Not Rated                          |       | Not Rated                          |       |
| 31A:                     |                 |  |       |                                    |       |                                    |       |
| Nahunta                  | 80              | Fair                                     |       | Poor                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Low strength                       | 0.00  | Depth to saturated zone            | 0.29  |
|                          |                 | Too acid                                 | 0.50  | Depth to saturated zone            | 0.29  | Too acid                           | 0.60  |
|                          |                 | Water erosion                            | 0.90  |                                    |       |                                    |       |

**Table ENG-2. - Construction Materials - Continued**

Charles City County, Virginia

| Map Symbol and Soil Name | Pct of Map Unit | Potential Source of Reclamation Material                          |                      | Potential Source of Roadfill                                    |                      | Potential Source of Topsoil                                   |                      |
|--------------------------|-----------------|---|----------------------|---|----------------------|---|----------------------|
|                          |                 | Rating Class and Limiting Features                                | Value                | Rating Class and Limiting Features                              | Value                | Rating Class and Limiting Features                            | Value                |
| 31A:<br>WET SPOTS        |                 | Not Rated   |                      | Not Rated   |                      | Not Rated   |                      |
| 32B:<br>Nansemond        | 80              | Poor<br>Wind erosion<br>Too acid<br>Low content of organic matter | 0.00<br>0.12<br>0.13 | Fair<br>Depth to saturated zone                                 | 0.53                 | Poor<br>Rock fragments<br>Depth to saturated zone<br>Too acid | 0.00<br>0.53<br>0.60 |
| WET SPOTS                |                 | Not Rated   |                      | Not Rated   |                      | Not Rated   |                      |
| 33A:<br>Nawney           | 80              | Fair<br>Too acid  | 0.50                 | Poor<br>Depth to saturated zone<br>Shrink-swell                 | 0.00<br>0.91         | Poor<br>Depth to saturated zone<br>Too acid                   | 0.00<br>0.60         |
| 34A:<br>Nawney           | 80              | Fair<br>Too acid  | 0.50                 | Poor<br>Depth to saturated zone<br>Shrink-swell                 | 0.00<br>0.91         | Poor<br>Depth to saturated zone<br>Too acid                   | 0.00<br>0.60         |
| 35D:<br>Nevarc           | 45              | Poor<br>Too clayey<br>Low content of organic matter<br>Too acid   | 0.00<br>0.13<br>0.21 | Poor<br>Low strength<br>Depth to saturated zone<br>Shrink-swell | 0.00<br>0.76<br>0.99 | Poor<br>Too Clayey<br>Slope<br>Depth to saturated zone        | 0.00<br>0.16<br>0.76 |
| Remlik                   | 35              | Poor<br>Too sandy<br>Wind erosion<br>Too acid                     | 0.00<br>0.00<br>0.21 | Good  |                      | Poor<br>Too sandy<br>Slope<br>Too acid                        | 0.00<br>0.16<br>0.76 |
| 35E:<br>Nevarc           | 45              | Poor<br>Too clayey<br>Low content of organic matter<br>Too acid   | 0.00<br>0.13<br>0.21 | Poor<br>Low strength<br>Slope<br>Depth to saturated zone        | 0.00<br>0.50<br>0.76 | Poor<br>Slope<br>Too Clayey<br>Depth to saturated zone        | 0.00<br>0.00<br>0.76 |
| Remlik                   | 35              | Poor<br>Too sandy<br>Wind erosion<br>Too acid                     | 0.00<br>0.00<br>0.21 | Fair<br>Slope   | 0.50                 | Poor<br>Slope<br>Too sandy<br>Too acid                        | 0.00<br>0.00<br>0.76 |
| 35F:                     |                 |   |                      |   |                      |   |                      |

**Table ENG-2. - Construction Materials - Continued**

Charles City County, Virginia

| Map Symbol and Soil Name | Pct of Map Unit | Potential Source of Reclamation Material |       | Potential Source of Roadfill       |       | Potential Source of Topsoil        |       |
|--------------------------|-----------------|--|-------|------------------------------------|-------|------------------------------------|-------|
|                          |                 | Rating Class and Limiting Features       | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| <b>35F:</b>              |                 |  |       |                                    |       |                                    |       |
| Nevarc                   | 45              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Slope                              | 0.00  | Slope                              | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Too acid                                 | 0.21  | Depth to saturated zone            | 0.76  | Depth to saturated zone            | 0.76  |
| Remlik                   | 35              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too sandy                                | 0.00  | Slope                              | 0.00  | Slope                              | 0.00  |
|                          |                 | Wind erosion                             | 0.00  |                                    |       | Too sandy                          | 0.00  |
|                          |                 | Too acid                                 | 0.21  |                                    |       | Too acid                           | 0.76  |
| <b>36A:</b>              |                 |  |       |                                    |       |                                    |       |
| Newflat                  | 80              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Depth to saturated zone            | 0.00  | Depth to saturated zone            | 0.00  |
|                          |                 | Too acid                                 | 0.50  | Shrink-swell                       | 0.13  | Too acid                           | 0.60  |
| <b>37A:</b>              |                 |  |       |                                    |       |                                    |       |
| Nimmo                    | 80              | Fair                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Depth to saturated zone            | 0.00  | Depth to saturated zone            | 0.00  |
|                          |                 | Too acid                                 | 0.50  |                                    |       | Too acid                           | 0.60  |
| WET SPOTS                |                 | Not Rated                                |       | Not Rated                          |       | Not Rated                          |       |
| <b>38A:</b>              |                 |  |       |                                    |       |                                    |       |
| Pamunkey                 | 80              | Fair                                     |       | Poor                               |       | Good                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Low strength                       | 0.00  |                                    |       |
|                          |                 | Too acid                                 | 0.97  |                                    |       |                                    |       |
| <b>38B:</b>              |                 |  |       |                                    |       |                                    |       |
| Pamunkey                 | 80              | Fair                                     |       | Poor                               |       | Good                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Low strength                       | 0.00  |                                    |       |
|                          |                 | Too acid                                 | 0.97  |                                    |       |                                    |       |
| <b>38C:</b>              |                 |  |       |                                    |       |                                    |       |
| Pamunkey                 | 80              | Fair                                     |       | Poor                               |       | Good                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Low strength                       | 0.00  |                                    |       |
|                          |                 | Too acid                                 | 0.97  |                                    |       |                                    |       |
| <b>39A:</b>              |                 |  |       |                                    |       |                                    |       |
| Peawick                  | 80              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Shrink-swell                       | 0.13  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  | Depth to saturated zone            | 0.76  | Depth to saturated zone            | 0.76  |

**Table ENG-2. - Construction Materials - Continued**

Charles City County, Virginia

| Map Symbol and Soil Name | Pct of Map Unit | Potential Source of Reclamation Material |       | Potential Source of Roadfill       |       | Potential Source of Topsoil        |       |
|--------------------------|-----------------|--|-------|------------------------------------|-------|------------------------------------|-------|
|                          |                 | Rating Class and Limiting Features       | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| 39B:                     |                 |  |       |                                    |       |                                    |       |
| Peawick                  | 80              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Shrink-swell                       | 0.13  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  | Depth to saturated zone            | 0.76  | Depth to saturated zone            | 0.76  |
| 40A:                     |                 |  |       |                                    |       |                                    |       |
| Roanoke                  | 80              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Depth to saturated zone            | 0.00  | Depth to saturated zone            | 0.00  |
|                          |                 | Too acid                                 | 0.12  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Shrink-swell                       | 0.87  | Too acid                           | 0.60  |
| 41A:                     |                 |  |       |                                    |       |                                    |       |
| Seabrook                 | 80              | Poor                                     |       | Good                               |       | Fair                               |       |
|                          |                 | Wind erosion                             | 0.00  |                                    |       | Too sandy                          | 0.01  |
|                          |                 | Too sandy                                | 0.01  |                                    |       | Hard to reclaim                    | 0.92  |
|                          |                 | Low content of organic matter            | 0.13  |                                    |       |                                    |       |
| 42B:                     |                 |  |       |                                    |       |                                    |       |
| Slagle                   | 80              | Fair                                     |       | Fair                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Depth to saturated zone            | 0.76  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  | Shrink-swell                       | 0.87  | Depth to saturated zone            | 0.76  |
| 43B:                     |                 |  |       |                                    |       |                                    |       |
| Slagle                   | 45              | Fair                                     |       | Fair                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Depth to saturated zone            | 0.76  | Too acid                           | 0.60  |
|                          |                 | Too acid                                 | 0.50  | Shrink-swell                       | 0.87  | Depth to saturated zone            | 0.76  |
| Emporia                  |                 |  |       |                                    |       |                                    |       |
|                          | 35              | Fair                                     |       | Poor                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Low strength                       | 0.00  | Rock fragments                     | 0.88  |
|                          |                 | Too acid                                 | 0.54  | Shrink-swell                       | >0.99 | Too acid                           | 0.98  |
| 44A:                     |                 |  |       |                                    |       |                                    |       |
| Tomotley                 | 80              | Fair                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too acid                                 | 0.12  | Depth to saturated zone            | 0.00  | Depth to saturated zone            | 0.00  |
|                          |                 | Low content of organic matter            | 0.88  |                                    |       | Too acid                           | 0.60  |
| 45B:                     |                 |  |       |                                    |       |                                    |       |
| Turbeville               | 80              | Poor                                     |       | Poor                               |       | Poor                               |       |
|                          |                 | Too clayey                               | 0.00  | Low strength                       | 0.00  | Too Clayey                         | 0.00  |
|                          |                 | Low content of organic matter            | 0.13  | Shrink-swell                       | 0.92  | Too acid                           | 0.88  |
|                          |                 | Too acid                                 | 0.50  |                                    |       |                                    |       |

46B:

**Table ENG-2. - Construction Materials - Continued**

Charles City County, Virginia

| Map Symbol and Soil Name | Pct of Map Unit | Potential Source of Reclamation Material |       | Potential Source of Roadfill       |       | Potential Source of Topsoil        |       |
|--------------------------|-----------------|--|-------|------------------------------------|-------|------------------------------------|-------|
|                          |                 | Rating Class and Limiting Features       | Value | Rating Class and Limiting Features | Value | Rating Class and Limiting Features | Value |
| 46B:                     |                 |  |       |                                    |       |                                    |       |
| Uchee                    | 80              | Poor                                     |       | Fair                               |       | Poor                               |       |
|                          |                 | Wind erosion                             | 0.00  | Low strength                       | 0.78  | Too sandy                          | 0.00  |
|                          |                 | Too sandy                                | 0.00  | Shrink-swell                       | >0.99 | Too acid                           | 0.88  |
|                          |                 | Low content of organic matter            | 0.13  |                                    |       |                                    |       |
| 47B:                     |                 |  |       |                                    |       |                                    |       |
| Udorthents               | 80              | Not Rated                                |       | Not Rated                          |       | Not Rated                          |       |
| 48B:                     |                 |  |       |                                    |       |                                    |       |
| Udorthents               | 80              | Not Rated                                |       | Not Rated                          |       | Not Rated                          |       |
| 49A:                     |                 |  |       |                                    |       |                                    |       |
| Wickham                  | 80              | Fair                                     |       | Good                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  |                                    |       | Too acid                           | 0.98  |
|                          |                 | Too acid                                 | 0.54  |                                    |       |                                    |       |
| 49B:                     |                 |  |       |                                    |       |                                    |       |
| Wickham                  | 80              | Fair                                     |       | Good                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  |                                    |       | Too acid                           | 0.98  |
|                          |                 | Too acid                                 | 0.54  |                                    |       |                                    |       |
| 50B3:                    |                 |  |       |                                    |       |                                    |       |
| Wickham                  | 80              | Fair                                     |       | Good                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  |                                    |       | Too acid                           | 0.98  |
|                          |                 | Too acid                                 | 0.54  |                                    |       |                                    |       |
| 51A:                     |                 |  |       |                                    |       |                                    |       |
| Yeopim                   | 80              | Fair                                     |       | Poor                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Low strength                       | 0.00  | Depth to saturated zone            | 0.76  |
|                          |                 | Too acid                                 | 0.50  | Depth to saturated zone            | 0.76  | Too acid                           | 0.76  |
|                          |                 | Water erosion                            | 0.99  |                                    |       |                                    |       |
| 51B:                     |                 |  |       |                                    |       |                                    |       |
| Yeopim                   | 80              | Fair                                     |       | Poor                               |       | Fair                               |       |
|                          |                 | Low content of organic matter            | 0.13  | Low strength                       | 0.00  | Depth to saturated zone            | 0.76  |
|                          |                 | Too acid                                 | 0.50  | Depth to saturated zone            | 0.76  | Too acid                           | 0.76  |
|                          |                 | Water erosion                            | 0.99  |                                    |       |                                    |       |
| W:                       |                 |  |       |                                    |       |                                    |       |
| Water                    | 100             | Not Rated                                |       | Not Rated                          |       | Not Rated                          |       |