

Table ENG-2. - Construction Materials

City of Suffolk, 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
1B:							
Alaga	90	Poor		Good		Fair	
		Wind erosion	0.00			Too sandy	0.01
		Low content of organic matter	0.00			Too acid	0.98
		Too sandy	0.01				
Pactolus	10	Not Rated		Not Rated		Not Rated	
2:							
Belhaven	85	Not Rated		Poor		Not Rated	
				Depth to saturated zone	0.00		
Pungo	8	Not Rated		Not Rated		Not Rated	
Deloss	7	Not Rated		Not Rated		Not Rated	
3:							
Bohicket	90	Poor		Poor		Poor	
		Too clayey	0.00	Depth to saturated zone	0.00	Too Clayey	0.00
		Sodium content	0.00	Low strength	0.00	Depth to saturated zone	0.00
		Salinity	0.50	Shrink-swell	0.13	Sodium content	0.00
Kenansville	5	Not Rated		Not Rated		Not Rated	
Pactolus	5	Not Rated		Not Rated		Not Rated	
4:							
Deloss	90	Poor		Poor		Poor	
		Low content of organic matter	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too acid	0.54			Too acid	0.98
Tomotley	5	Not Rated		Not Rated		Not Rated	
Belhaven	4	Not Rated		Not Rated		Not Rated	
5A:							
Dogue	85	Poor		Fair		Poor	
		Low content of organic matter	0.00	Low strength	0.22	Too Clayey	0.00
		Too clayey	0.00	Depth to saturated zone	0.76	Too acid	0.50
		Too acid	0.50	Shrink-swell	0.93	Depth to saturated zone	0.76
Emporia	5	Not Rated		Not Rated		Not Rated	
Eunola	5	Not Rated		Not Rated		Not Rated	

Table ENG-2. - Construction Materials - Continued

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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
5A:							
Wahee	5	Not Rated		Not Rated		Not Rated	
5B2:							
Dogue	85	Poor		Fair		Poor	
		Low content of organic matter	0.00	Low strength	0.22	Too Clayey	0.00
		Too clayey	0.00	Depth to saturated zone	0.76	Too acid	0.50
		Too acid	0.50	Shrink-swell	0.93	Depth to saturated zone	0.76
Emporia	5	Not Rated		Not Rated		Not Rated	
Eunola	5	Not Rated		Not Rated		Not Rated	
Wahee	5	Not Rated		Not Rated		Not Rated	
6:							
Dragston	85	Poor		Fair		Fair	
		Low content of organic matter	0.00	Depth to saturated zone	0.29	Depth to saturated zone	0.29
		Too acid	0.50			Too acid	0.88
Tomotley	8	Not Rated		Not Rated		Not Rated	
Tetotum	7	Not Rated		Not Rated		Not Rated	
7A:							
Emporia	90	Poor		Fair		Fair	
		Low content of organic matter	0.00	Shrink-swell	0.87	Too acid	0.88
		Too acid	0.50				
Kenansville	5	Not Rated		Not Rated		Not Rated	
Nansemond	5	Not Rated		Not Rated		Not Rated	
7B2:							
Emporia	90	Poor		Fair		Fair	
		Low content of organic matter	0.00	Shrink-swell	0.87	Too acid	0.88
		Too acid	0.50				
Kenansville	5	Not Rated		Not Rated		Not Rated	
Nansemond	5	Not Rated		Not Rated		Not Rated	
8A:							

Table ENG-2. - Construction Materials - Continued

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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
8A:							
Eunola	90	Poor		Fair		Fair	
		Wind erosion	0.00	Depth to saturated zone	0.53	Depth to saturated zone	0.53
		Low content of organic matter	0.00			Too acid	0.88
		Too acid	0.50				
Lynchburg	5	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
8B:							
Eunola	90	Poor		Fair		Fair	
		Wind erosion	0.00	Depth to saturated zone	0.53	Depth to saturated zone	0.53
		Low content of organic matter	0.00			Too acid	0.88
		Too acid	0.50				
Lynchburg	5	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
9A:							
Goldsboro	95	Poor		Fair		Fair	
		Low content of organic matter	0.00	Depth to saturated zone	0.89	Too acid	0.88
		Too acid	0.50			Depth to saturated zone	0.89
Rains	5	Not Rated		Not Rated		Not Rated	
9B2:							
Goldsboro	95	Poor		Fair		Fair	
		Low content of organic matter	0.00	Depth to saturated zone	0.89	Too acid	0.88
		Too acid	0.50			Depth to saturated zone	0.89
Rains	5	Not Rated		Not Rated		Not Rated	
10A:							
Kalmia	90	Poor		Good		Fair	
		Wind erosion	0.00			Too acid	0.98
		Low content of organic matter	0.00			Not too sandy	>0.99
		Too acid	0.50				
Kenansville	5	Not Rated		Not Rated		Not Rated	
Nansemond	5	Not Rated		Not Rated		Not Rated	

10B:

Table ENG-2. - Construction Materials - Continued

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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
10B:							
Kalmia	90	Poor		Good		Fair	
		Wind erosion	0.00			Too acid	0.98
		Low content of organic matter	0.00			Not too sandy	>0.99
		Too acid	0.50				
Kenansville	5	Not Rated		Not Rated		Not Rated	
Nansemond	5	Not Rated		Not Rated		Not Rated	
11:							
Kenansville	85	Poor		Good		Poor	
		Wind erosion	0.00			Too sandy	0.00
		Low content of organic matter	0.00			Too acid	0.98
		Too sandy	0.00				
Eunola	5	Not Rated		Not Rated		Not Rated	
Pactolus	5	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
12:							
Kenansville	95	Poor		Good		Poor	
		Wind erosion	0.00			Too sandy	0.00
		Low content of organic matter	0.00			Too acid	0.98
		Too sandy	0.00				
Suffolk	3	Not Rated		Not Rated		Not Rated	
Eunola	2	Not Rated		Not Rated		Not Rated	
13:							
Levy	85	Poor		Poor		Poor	
		Sodium content	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too clayey	0.00	Low strength	0.00	Sodium content	0.00
		Too acid	0.50	Shrink-swell	0.13	Too Clayey	0.00
Rains	8	Not Rated		Not Rated		Not Rated	
Nansemond	7	Not Rated		Not Rated		Not Rated	
14:							
Lynchburg	80	Poor		Poor		Poor	
		Low content of organic matter	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too acid	0.50			Too acid	0.50

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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
14:							
Rains	8	Not Rated		Not Rated		Not Rated	
Eunola	7	Not Rated		Not Rated		Not Rated	
Wahee	5	Not Rated		Not Rated		Not Rated	
15B:							
Nansemond	90	Poor		Fair		Fair	
		Wind erosion	0.00	Depth to saturated zone	0.53	Too sandy	0.02
		Low content of organic matter	0.00			Depth to saturated zone	0.53
		Too sandy	0.02			Too acid	0.88
Dragston	10	Not Rated		Not Rated		Not Rated	
15D:							
Nansemond	85	Poor		Fair		Fair	
		Wind erosion	0.00	Depth to saturated zone	0.53	Too sandy	0.02
		Low content of organic matter	0.00			Depth to saturated zone	0.53
		Too sandy	0.02			Slope	0.63
Rains	8	Not Rated		Not Rated		Not Rated	
Tomotley	7	Not Rated		Not Rated		Not Rated	
15E:							
Nansemond	80	Poor		Fair		Poor	
		Wind erosion	0.00	Slope	0.08	Slope	0.00
		Low content of organic matter	0.00	Depth to saturated zone	0.53	Depth to saturated zone	0.53
		Too acid	0.50			Too acid	0.88
Rains	8	Not Rated		Not Rated		Not Rated	
Tomotley	7	Not Rated		Not Rated		Not Rated	
16A:							
Nansemond	90	Poor		Fair		Fair	
		Low content of organic matter	0.00	Depth to saturated zone	0.53	Depth to saturated zone	0.53
		Too acid	0.50			Too acid	0.88
Weston	10	Not Rated		Not Rated		Not Rated	
16B:							
Nansemond	90	Poor		Fair		Fair	
		Low content of organic matter	0.00	Depth to saturated zone	0.53	Depth to saturated zone	0.53
		Too acid	0.50			Too acid	0.88

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		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
16B:							
Weston	10	Not Rated		Not Rated		Not Rated	
17:							
Pactolus	85	Poor		Fair		Fair	
		Wind erosion	0.00	Depth to saturated zone	0.53	Too sandy	0.01
		Low content of organic matter	0.00			Depth to saturated zone	0.53
		Too sandy	0.01			Too acid	0.88
Alaga	5	Not Rated		Not Rated		Not Rated	
Dragston	5	Not Rated		Not Rated		Not Rated	
Kalmia	5	Not Rated		Not Rated		Not Rated	
18:							
Pungo	85	Not Rated		Poor		Not Rated	
				Depth to saturated zone	0.00		
Belhaven	8	Not Rated		Not Rated		Not Rated	
Deloss	7	Not Rated		Not Rated		Not Rated	
19:							
Rains	75	Poor		Poor		Poor	
		Low content of organic matter	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too acid	0.50			Too acid	0.88
Lynchburg	7	Not Rated		Not Rated		Not Rated	
Nansemond	7	Not Rated		Not Rated		Not Rated	
Eunola	6	Not Rated		Not Rated		Not Rated	
Torhunta	5	Not Rated		Not Rated		Not Rated	
20A:							
Rumford	90	Poor		Good		Fair	
		Wind erosion	0.00			Too acid	0.98
		Low content of organic matter	0.00			Too sandy	>0.99
		Too acid	0.54				
Nansemond	10	Not Rated		Not Rated		Not Rated	
20B:							

Table ENG-2. - Construction Materials - Continued

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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
20B:							
Rumford	95	Poor		Good		Fair	
		Wind erosion	0.00			Too acid	0.98
		Low content of organic matter	0.00			Too sandy	>0.99
		Too acid	0.54				
Nansemond	5	Not Rated		Not Rated		Not Rated	
21A:							
State	95	Poor		Good		Fair	
		Low content of organic matter	0.00			Too acid	0.98
		Too acid	0.54				
Tetotum	5	Not Rated		Not Rated		Not Rated	
21B:							
State	90	Poor		Good		Fair	
		Low content of organic matter	0.00			Too acid	0.98
		Too acid	0.54				
Tetotum	10	Not Rated		Not Rated		Not Rated	
22A:							
Suffolk	90	Poor		Good		Fair	
		Wind erosion	0.00			Too acid	0.50
		Low content of organic matter	0.00				
		Too acid	0.08				
Eunola	10	Not Rated		Not Rated		Not Rated	
22B:							
Suffolk	90	Poor		Good		Fair	
		Wind erosion	0.00			Too acid	0.50
		Low content of organic matter	0.00				
		Too acid	0.08				
Eunola	10	Not Rated		Not Rated		Not Rated	
23A:							
Tetotum	85	Poor		Fair		Fair	
		Low content of organic matter	0.00	Depth to saturated zone	0.53	Too acid	0.50
		Too acid	0.08	Low strength	0.78	Depth to saturated zone	0.53
State	8	Not Rated		Not Rated		Not Rated	

Table ENG-2. - Construction Materials - Continued

City of Suffolk, 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
23A:							
Tomotley	7	Not Rated		Not Rated		Not Rated	
23B:							
Tetotum	90	Poor		Fair		Fair	
		Low content of organic matter	0.00	Depth to saturated zone	0.53	Too acid	0.50
		Too acid	0.08	Low strength	0.78	Depth to saturated zone	0.53
Dragston	5	Not Rated		Not Rated		Not Rated	
State	5	Not Rated		Not Rated		Not Rated	
24:							
Tomotley	85	Poor		Poor		Poor	
		Low content of organic matter	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too acid	0.08			Too acid	0.50
Deloss	5	Not Rated		Not Rated		Not Rated	
Dragston	5	Not Rated		Not Rated		Not Rated	
Rains	5	Not Rated		Not Rated		Not Rated	
25:							
Torhunta	90	Poor		Poor		Poor	
		Low content of organic matter	0.00	Depth to saturated zone	0.00	Depth to saturated zone	0.00
		Too acid	0.50			Too acid	0.50
		Droughty	0.79				
Belhaven	10	Not Rated		Not Rated		Not Rated	
26:							
Udorthents	70	Not Rated		Not Rated		Not Rated	
Eunola	5	Not Rated		Not Rated		Not Rated	
Kenansville	5	Not Rated		Not Rated		Not Rated	
Lynchburg	5	Not Rated		Not Rated		Not Rated	
Nansemond	5	Not Rated		Not Rated		Not Rated	
Suffolk	5	Not Rated		Not Rated		Not Rated	
Tomotley	5	Not Rated		Not Rated		Not Rated	
27:							
Urban land	90	Not Rated		Not Rated		Not Rated	

Table ENG-2. - Construction Materials - Continued

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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
27: Dogue	10	Not Rated		Not Rated		Not Rated	
28: Wahee	85	Poor Low content of organic matter Too clayey Too acid	0.00 0.00 0.54	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.00 0.87	Poor Too Clayey Depth to saturated zone Too acid	0.00 0.00 0.98
Dogue	5	Not Rated		Not Rated		Not Rated	
Emporia	5	Not Rated		Not Rated		Not Rated	
Tomotley	5	Not Rated		Not Rated		Not Rated	
29: Weston	90	Poor Low content of organic matter Too acid	0.00 0.54	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone Too acid	0.00 0.98
Nansemond	10	Not Rated		Not Rated		Not Rated	
DAM: Dam	95	Not Rated		Not Rated		Not Rated	
M-W: Water	100	Not Rated		Not Rated		Not Rated	
W: Water	100	Not Rated		Not Rated		Not Rated	