

(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 0.01 to 1.00. The larger the value, the greater the limitation. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AdA: Aldino-----	95	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone	1.00 0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.19
AdB: Aldino-----	95	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone	1.00 0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.19
AdC: Aldino-----	95	Not Rated Not Rated; AASHTO GIN Frost action Slope Depth to saturated zone	1.00 0.63 0.19	Very limited Depth to saturated zone Slope Cutbanks cave	1.00 0.63 0.10	Somewhat limited Slope Depth to saturated zone	0.63 0.19
AsB: Aldino-----	95	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone	1.00 0.19	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Content of large stones Depth to saturated zone	0.20 0.19
Av: Alluvial Land-----	100	Not rated		Not rated		Not rated	
BaA: Baile-----	100	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Very limited Depth to saturated zone Content of large stones	1.00 0.01

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BaB: Baile-----	100	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Very limited Depth to saturated zone Content of large stones	1.00 0.01
BeA: Beltsville-----	95	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone	1.00 0.19	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone	0.19
BeB: Beltsville-----	95	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone	1.00 0.19	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone	0.19
BeC: Beltsville-----	95	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone	1.00 0.19	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone	0.19
BrC2: Brandywine-----	100	Not Rated Not Rated; AASHTO GIN Slope Content of large stones	0.63 0.01	Very limited Cutbanks cave Slope Content of large stones	1.00 0.63 0.01	Somewhat limited Slope Gravel content Droughty Content of large stones	0.63 0.31 0.25 0.20
BrD3: Brandywine-----	100	Not Rated Not Rated; AASHTO GIN Slope Content of large stones	1.00 0.01	Very limited Slope Cutbanks cave Content of large stones	1.00 1.00 0.01	Very limited Slope Gravel content Droughty Content of large stones	1.00 0.31 0.25 0.20

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BrE3: Brandywine-----	100	Not Rated Not Rated; AASHTO GIN Slope Content of large stones	1.00 0.01	Very limited Slope Cutbanks cave Content of large stones	1.00 1.00 0.01	Very limited Slope Gravel content Droughty Content of large stones	1.00 0.31 0.25 0.20
CcA: Chester-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Somewhat limited Content of large stones	0.01
CcB2: Chester-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Somewhat limited Content of large stones	0.01
CcC2: Chester-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope Content of large stones	0.63 0.01
CgB2: Chester-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Somewhat limited Content of large stones	0.03
CgC2: Chester-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope Content of large stones	0.63 0.03
CgD2: Chester-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones	1.00 0.03
ChB2: Chillum-----	100	Not Rated Not Rated; AASHTO GIN Frost action	1.00	Very limited Cutbanks cave	1.00	Not limited	

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
CkC2: Chillum-----	50	Not Rated Not Rated; AASHTO GIN Frost action	1.00	Very limited Cutbanks cave	1.00	Not limited	
Neshaminy-----	30	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Somewhat limited Content of large stones	0.01
CrE: Chrome-----	100	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action Depth to hard bedrock	1.00 0.50 0.50 0.46	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Depth to bedrock	1.00 0.46
Cu: Codorus-----	95	Not Rated Not Rated; AASHTO GIN Frost action Flooding Depth to saturated zone	1.00 1.00 0.75	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.60	Somewhat limited Depth to saturated zone Flooding	0.75 0.60
Cv: Comus-----	100	Not Rated Not Rated; AASHTO GIN Flooding Frost action	1.00 0.50	Very limited Cutbanks cave Flooding	1.00 0.60	Somewhat limited Flooding	0.60
Cx: Cut And Fill Land---	100	Not rated		Not rated		Not rated	
DcA: Delanco-----	95	Not Rated Not Rated; AASHTO GIN Frost action Shrink-swell Depth to saturated zone Flooding	1.00 0.50 0.48 0.40	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.48

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
DcB: Delanco-----	95	Not Rated Not Rated; AASHTO GIN Frost action Shrink-swell Depth to saturated zone Flooding	1.00 0.50 0.48 0.40	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.48
EhB2: Elioak-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Too clayey Cutbanks cave	0.12 0.10	Somewhat limited Content of large stones	0.01
EhC2: Elioak-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.63 0.50	Somewhat limited Slope Too clayey Cutbanks cave	0.63 0.12 0.10	Somewhat limited Slope Content of large stones	0.63 0.01
En: Elkton-----	100	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Shrink-swell Frost action	1.00 0.50 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Very limited Depth to saturated zone	1.00
EsA: Elsinboro-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.16 0.10	Not limited	
EsB2: Elsinboro-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.16 0.10	Not limited	
EsC2: Elsinboro-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.16 0.10	Not limited	
EvC: Evesboro-----	100	Not Rated Not Rated; AASHTO GIN Slope	0.16	Very limited Cutbanks cave Slope	1.00 0.16	Somewhat limited Droughty Slope	0.69 0.16

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Fs: Fallsington-----	100	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone	1.00
GcB2: Gleneig-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
GcC2: Glenelg-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
GcC3: Glenelg-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
GcD2: Glenelg-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
GcD3: Glenelg-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
GgB2: Glenelg-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Somewhat limited Gravel content	0.41
GgC2: Glenelg-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope Gravel content	0.63 0.41

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
GgC3: Glenelg-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	 0.63 0.50	Somewhat limited Slope Cutbanks cave	 0.63 0.10	Somewhat limited Slope Gravel content	 0.63 0.41
GgD2: Glenelg-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	 1.00 0.50	Very limited Slope Cutbanks cave	 1.00 0.10	Very limited Slope Gravel content	 1.00 0.41
GgD3: Glenelg-----	100	Not Rated Not Rated; AASHTO GIN Frost action	 0.50	Somewhat limited Cutbanks cave	 0.10	Somewhat limited Gravel content	 0.41
GnA: Glenville-----	95	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone	 1.00 0.48	Very limited Depth to saturated zone Cutbanks cave	 1.00 0.10	Somewhat limited Depth to saturated zone	 0.48
GnB: Glenville-----	95	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone	 1.00 0.48	Very limited Depth to saturated zone Cutbanks cave	 1.00 0.10	Somewhat limited Depth to saturated zone	 0.48
Hb: Hatboro-----	100	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action Flooding	 1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Flooding	 1.00 1.00 0.80	Very limited Flooding Depth to saturated zone	 1.00 1.00
JpB: Joppa-----	100	Not Rated Not Rated; AASHTO GIN	 	Very limited Cutbanks cave	 1.00	Somewhat limited Gravel content Droughty	 0.50 0.03
JpC: Joppa-----	100	Not Rated Not Rated; AASHTO GIN	 	Very limited Cutbanks cave	 1.00	Somewhat limited Gravel content Droughty	 0.50 0.03

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
KeB: Kelly-----	95	Not Rated Not Rated; AASHTO GIN Shrink-swell	1.00	Very limited Cutbanks cave	1.00	Somewhat limited Depth to saturated zone	0.19
		Frost action	0.50	Depth to saturated zone	1.00		
		Depth to saturated zone	0.19	Depth to hard bedrock	0.42		
				Too clayey	0.28		
KeC2: Kelly-----	95	Not Rated Not Rated; AASHTO GIN Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Slope	0.63
		Slope	0.63	Cutbanks cave	1.00	Depth to saturated zone	0.43
		Shrink-swell	0.50	Slope	0.63		
		Depth to saturated zone	0.43	Depth to hard bedrock	0.32		
KfD: Kelly-----	95	Not Rated Not Rated; AASHTO GIN Slope	0.96	Somewhat limited Slope	0.96	Somewhat limited Slope	0.96
		Frost action	0.50	Depth to hard bedrock	0.42	Content of large stones	0.08
				Cutbanks cave	0.10		
KpA: Keyport-----	95	Not Rated Not Rated; AASHTO GIN Frost action	1.00	Very limited Cutbanks cave	1.00	Not limited	
		Shrink-swell	0.50	Depth to saturated zone	0.99		
KpB: Keyport-----	95	Not Rated Not Rated; AASHTO GIN Frost action	1.00	Very limited Cutbanks cave	1.00	Not limited	
		Shrink-swell	0.50	Depth to saturated zone	0.99		
KrA: Kinkora-----	100	Not Rated Not Rated; AASHTO GIN Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Too clayey	0.12		
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Flooding	0.40				

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
KrB: Kinkora-----	100	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action Shrink-swell Flooding	1.00 1.00 1.00 1.00 0.40	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.12 0.10	Very limited Depth to saturated zone	1.00
LeB2: Legore-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
LeC2: Legore-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Very limited Cutbanks cave Slope	1.00 0.63	Somewhat limited Slope	0.63
LeD2: Legore-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope	1.00
LeE: Legore-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope	1.00
LfC: Legore-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave	1.00	Somewhat limited Content of large stones Gravel content	0.20 0.18
LfD: Legore-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Content of large stones Gravel content	1.00 0.20 0.18
LfE: Legore-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Content of large stones Gravel content	1.00 0.20 0.18

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
LgC3: Legore-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	 0.63 0.50	Very limited Cutbanks cave Slope	 1.00 0.63	Somewhat limited Slope	0.63
LgD3: Legore-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	 1.00 0.50	Very limited Slope Cutbanks cave	 1.00 1.00	Very limited Slope	1.00
Lr: Leonardtown-----	100	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action	 1.00 1.00	Very limited Depth to saturated zone Depth to dense layer Cutbanks cave	 1.00 0.50 0.10	Very limited Depth to saturated zone	1.00
LyB: Loamy And Clayey Lan	100	Not rated		Not rated		Not rated	
LyD: Loamy And Clayey Lan	100	Not rated		Not rated		Not rated	
LyE: Loamy And Clayey Lan	100	Not rated		Not rated		Not rated	
MbB2: Manor-----	100	Not Rated Not Rated; AASHTO GIN Frost action	 0.50	Somewhat limited Cutbanks cave	 0.10	Not limited	
MbC2: Manor-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	 0.63 0.50	Somewhat limited Slope Cutbanks cave	 0.63 0.10	Somewhat limited Slope	0.63
MbC3: Manor-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	 0.63 0.50	Somewhat limited Slope Cutbanks cave	 0.63 0.10	Somewhat limited Slope	0.63

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
MbD2: Manor-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
MbD3: Manor-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
McB2: Manor-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Somewhat limited Gravel content Content of large stones	0.36 0.01
McC2: Manor-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope Gravel content Content of large stones	0.63 0.36 0.01
McC3: Manor-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope Gravel content Content of large stones	0.63 0.36 0.01
McD2: Manor-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Gravel content Content of large stones	1.00 0.36 0.01
McD3: Manor-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Gravel content Content of large stones	1.00 0.36 0.01

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
MdE: Manor-----	100	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.05
MfE: Manor-----	100	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Gravel content Content of large stones	0.36 0.01
MgC: Glenelg-----	50	Not Rated Not Rated; AASHTO GIN Slope	0.50 0.04	Somewhat limited Cutbanks cave	0.10	Somewhat limited Content of large stones	0.05
		Frost action	0.04	Slope	0.04	Slope	0.04
Manor-----	50	Not Rated Not Rated; AASHTO GIN Slope	0.50 0.04	Somewhat limited Cutbanks cave	0.10	Somewhat limited Content of large stones	0.05
		Frost action	0.04	Slope	0.04	Slope	0.04
MgD: Glenelg-----	50	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.05
Manor-----	50	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.05
MkA: Matapeake-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
MkB: Matapeake-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
M1A: Mattapex-----	95	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone	0.50 0.03	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone	0.03
M1B: Mattapex-----	95	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone	0.50 0.03	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone	0.03
M5A: Montalto-----	100	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	1.00 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
M5B2: Montalto-----	100	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	1.00 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
M5C2: Montalto-----	100	Not Rated Not Rated; AASHTO GIN Shrink-swell Slope Frost action	1.00 0.63 0.50	Somewhat limited Slope Cutbanks cave Too clayey	0.63 0.10 0.03	Somewhat limited Slope	0.63
N5A: Neshaminy-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Somewhat limited Content of large stones	0.01
N5B2: Neshaminy-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Somewhat limited Content of large stones	0.01

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
NeC2: Neshaminy-----	100	Not Rated Not Rated; AASHTO GIN Slope	0.63	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.01
NsC: Montalto-----	50	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Somewhat limited Content of large stones	0.03
				Too clayey	0.03		
Neshaminy-----	50	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Depth to hard bedrock Cutbanks cave	0.61 0.10	Somewhat limited Content of large stones	0.05
NsD: Montalto-----	50	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Shrink-swell Frost action	1.00 0.50	Cutbanks cave	0.10	Content of large stones	0.03
				Too clayey	0.03		
Neshaminy-----	50	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Frost action	0.50	Depth to hard bedrock Cutbanks cave	0.61 0.10	Content of large stones	0.05
NsE: Montalto-----	50	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Shrink-swell Frost action	1.00 0.50	Cutbanks cave	0.10	Content of large stones	0.03
				Too clayey	0.03		
Neshaminy-----	50	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Frost action	0.50	Depth to hard bedrock Cutbanks cave	0.61 0.10	Content of large stones	0.05

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ot: Othello-----	100	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action	1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Depth to saturated zone	1.00
Sa: Sand And Gravel Pits	95	Not rated		Not rated		Not rated	
ShB2: Sassafras-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
ShC2: Sassafras-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
SlB2: Sassafras-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
SlC2: Sassafras-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
SsD: Joppa-----	50	Not Rated Not Rated; AASHTO GIN Slope	0.84	Very limited Cutbanks cave Slope	1.00 0.84	Somewhat limited Slope Gravel content Droughty	0.84 0.50 0.03
Sassafras-----	50	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.84 0.50	Very limited Cutbanks cave Slope	1.00 0.84	Somewhat limited Slope	0.84
SsE: Joppa-----	50	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Gravel content Droughty	1.00 0.50 0.03

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Sassafras-----	50	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope	1.00
St: Stony Land-----	100	Not rated		Not rated		Not rated	
Sw: Swamp-----	100	Not rated		Not rated		Not rated	
Tm: Tidal Marsh-----	100	Not rated		Not rated		Not rated	
WaA: Watchung-----	100	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.72 0.10	Very limited Depth to saturated zone Content of large stones	1.00 0.03
WaB: Watchung-----	100	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.76 0.10	Very limited Depth to saturated zone Content of large stones	1.00 0.03
WcB: Watchung-----	100	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action Shrink-swell	1.00 1.00 0.50	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.76 0.10	Very limited Depth to saturated zone Content of large stones	1.00 0.05

Table ENG-4.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
WhB: Whiteford-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Not Rated Not Rated; bulk density Depth to hard bedrock Cutbanks cave	0.42 0.10	Somewhat limited Content of large stones	0.01
WhC2: Whiteford-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Not Rated Not Rated; bulk density Slope Depth to hard bedrock Cutbanks cave	0.63 0.42 0.10	Somewhat limited Slope Content of large stones	0.63 0.01
WoB: Woodstown-----	95	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Not limited	

