

(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-----	85	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Depth to saturated zone	1.00	Not Rated; Sieve size, 3 to 10", > 10"	
		Frost action	1.00	Cutbanks cave	0.10	Depth to saturated zone	0.19
		Shrink-swell Depth to saturated zone	0.50 0.19				
AdB2: Aldino-----	90	Not Rated Not Rated; AASHTO GIN		Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.19
		Frost action	1.00	Cutbanks cave	0.10		
		Depth to saturated zone	0.19				
Am: Aldino-----	30	Not Rated Not Rated; AASHTO GIN		Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.19
		Frost action	1.00	Cutbanks cave	0.10		
		Depth to saturated zone	0.19				
Keyport-----	30	Not Rated Not Rated; AASHTO GIN		Very limited Cutbanks cave	1.00	Not limited	
		Frost action	1.00	Depth to saturated zone	0.99		
		Shrink-swell	0.50				
Mattapex-----	20	Not Rated Not Rated; AASHTO GIN		Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.03
		Frost action	0.50	Cutbanks cave	0.10		
		Depth to saturated zone	0.03				
Urban Land-----	10	Not rated		Not rated		Not rated	

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
Ba: Bayboro-----	85	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Shrink-swell	1.00 0.50	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.28 0.10	Very limited Depth to saturated zone	1.00
BuA: Butlertown-----	80	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
BuB2: Butlertown-----	90	Not Rated Not Rated; AASHTO GIN Frost action	1.00	Somewhat limited Depth to saturated zone Cutbanks cave	0.95 0.10	Not limited	
BuC2: Butlertown-----	90	Not Rated Not Rated; AASHTO GIN Frost action	1.00	Somewhat limited Depth to saturated zone Cutbanks cave	0.95 0.10	Not limited	
ChA: Chester-----	90	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Frost action	0.50	Not Rated Not Rated; Fragments > 75mm Cutbanks cave	0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size, 3 to 10", > 10"	
ChB2: Chester-----	88	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Frost action	0.50	Not Rated Not Rated; Fragments > 75mm Cutbanks cave	0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size, 3 to 10", > 10"	
ChC2: Chester-----	85	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Not Rated Not Rated; Fragments > 75mm Slope Cutbanks cave	0.63 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size, 3 to 10", > 10" 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
ChC3: Chester-----	80	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Slope	0.63	Not Rated; Sieve size, 3 to 10", > 10"	
		Slope Frost action	0.63 0.50	Cutbanks cave	0.10	Slope	0.63
ChD2: Chester-----	85	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Slope	1.00	Not Rated; Sieve size, 3 to 10", > 10"	
		Slope Frost action	1.00 0.50	Cutbanks cave	0.10	Slope	1.00
ChD3: Chester-----	80	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Slope	1.00	Not Rated; Sieve size, 3 to 10", > 10"	
		Slope Frost action	1.00 0.50	Cutbanks cave	0.10	Slope	1.00
Co: Codorus-----	85	Not Rated Not Rated; AASHTO GIN		Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.75
		Frost action	1.00	Cutbanks cave	1.00	Flooding	0.60
		Flooding	1.00	Flooding	0.60		
		Depth to saturated zone	0.75				
CsB2: Collington-----	88	Not Rated Not Rated; AASHTO GIN		Very limited Cutbanks cave	1.00	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
CsC3: Collington-----	90	Not Rated Not Rated; AASHTO GIN		Very limited Cutbanks cave	1.00	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				

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
CsD3: Collington-----	92	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	 0.84 0.50 0.50	Very limited Cutbanks cave Slope	 1.00 0.84	Somewhat limited Slope	0.84
Cu: Comus-----	85	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Frost action Flooding	 0.50 0.40	Not Rated Not Rated; Fragments > 75mm Cutbanks cave	 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size, 3 to 10", > 10"	
DeA: Delanco-----	85	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
DeB2: Delanco-----	90	Not Rated Not Rated; AASHTO GIN Frost action Shrink-swell Depth to saturated zone	 1.00 0.50 0.48	Very limited Depth to saturated zone Cutbanks cave	 1.00 0.10	Somewhat limited Depth to saturated zone	0.48
EaB2: Elioak-----	85	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Frost action	 0.50	Not Rated Not Rated; Fragments > 75mm Too clayey Cutbanks cave	 0.12 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size, 3 to 10", > 10"	
EkC3: Elioak-----	85	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Slope Frost action	 0.63 0.50	Not Rated Not Rated; Fragments > 75mm Slope Too clayey Cutbanks cave	 0.63 0.12 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size, 3 to 10", > 10" Slope Droughty	 0.63 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
EkD3: Elioak-----	80	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Slope	1.00	Not Rated; Sieve size, 3 to 10", > 10"	
		Slope	1.00	Too clayey	0.12	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.01
E1A: Elkton-----	90	Not Rated Not Rated; AASHTO GIN		Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
EmA: Elkton-----	90	Not Rated Not Rated; AASHTO GIN		Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
EmB: Elkton-----	85	Not Rated Not Rated; AASHTO GIN		Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
EnB2: Elsinboro-----	85	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Depth to saturated zone	0.16	Not Rated; Sieve size, 3 to 10", > 10"	
		Frost action	0.50	Cutbanks cave	0.10		

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
EnC2: Elsinboro-----	90	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Slope	0.63	Not Rated; Sieve size, 3 to 10", > 10"	
		Slope	0.63	Depth to saturated zone	0.16	Slope	0.63
		Frost action	0.50	Cutbanks cave	0.10		
EuB: Delanco-----	35	Not Rated Not Rated; AASHTO GIN		Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.48
		Frost action	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Depth to saturated zone	0.48				
		Flooding	0.40				
Elsinboro-----	35	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Depth to saturated zone	0.16	Not Rated; Sieve size, 3 to 10", > 10"	
		Frost action	0.50	Cutbanks cave	0.10		
		Flooding	0.40				
Urban Land-----	30	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface clay percent	
		Not Rated; AASHTO GIN		Not Rated; Taxonomic or texture class		Not Rated; Surface Fragments > 75mm	
						Not Rated; Sieve size, 3 to 10", > 10"	
						Not Rated; pH	
						Not Rated; AWC	
Fa: Fallsington-----	85	Not Rated Not Rated; AASHTO GIN		Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Cutbanks cave	1.00		
		Frost action	0.50				

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-----	84	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
GmB2: Glenelg-----	45	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Manor-----	35	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
GmC2: Glenelg-----	45	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
Manor-----	35	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
GmC3: Glenelg-----	45	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
Manor-----	35	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
GmD2: Manor-----	50	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
Glenelg-----	35	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

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
GmD3: Manor-----	50	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
Glenelg-----	35	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
GmE: Manor-----	50	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
Glenelg-----	35	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
GnA: Glenville-----	85	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
GnB2: Glenville-----	85	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
Gp: Gravel Pits And Quarries-----	80	Not rated		Not rated		Not rated	

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
Ha: Hatboro-----	90	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action Flooding	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
HbA: Hatboro-----	58	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action Flooding	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
HbC: Hatboro-----	55	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action Flooding	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
Jo: Johnston-----	90	Not Rated Not Rated; AASHTO GIN Ponding Depth to saturated zone Flooding	1.00 1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 1.00 0.80	Very limited Ponding Flooding Depth to saturated zone	1.00 1.00 1.00
KeA: Keyport-----	85	Not Rated Not Rated; AASHTO GIN Frost action Shrink-swell	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.99	Not limited	
KeB2: Keyport-----	85	Not Rated Not Rated; AASHTO GIN Frost action Shrink-swell	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.99	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
KeC2: Keyport-----	95	Not Rated Not Rated; AASHTO GIN Frost action Shrink-swell	 1.00 0.50	Very limited Cutbanks cave Depth to saturated zone	 1.00 0.99	Not limited	
KpC3: Keyport-----	92	Not Rated Not Rated; AASHTO GIN Frost action Shrink-swell	 1.00 0.50	Very limited Cutbanks cave Depth to saturated zone	 1.00 0.99	Not limited	
KrA: Kinkora-----	90	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action Shrink-swell Flooding	 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
KrB: Kinkora-----	85	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action Shrink-swell Flooding	 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
Ma: Made Land And Urban Land-----	100	Not rated		Not rated		Not rated	
McB: Glenelg-----	30	Not Rated Not Rated; AASHTO GIN Frost action	 0.50	Somewhat limited Cutbanks cave	 0.10	Not limited	
Manor-----	30	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
Chester-----	20	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Cutbanks cave	0.10	Not Rated; Sieve size, 3 to 10", > 10"	
		Frost action	0.50				
Urban Land-----	20	Not rated		Not rated		Not rated	
MeA: Matapeake-----	85	Not Rated Not Rated; AASHTO GIN		Somewhat limited Cutbanks cave	0.10	Not limited	
		Frost action	0.50				
Mattapex-----	10	Not Rated Not Rated; AASHTO GIN		Very limited Cutbanks cave	1.00	Somewhat limited Depth to saturated zone	0.03
		Frost action	0.50	Depth to saturated zone	1.00		
		Depth to saturated zone	0.03				
MeB2: Matapeake-----	90	Not Rated Not Rated; AASHTO GIN		Somewhat limited Cutbanks cave	0.10	Not limited	
		Frost action	0.50				
MeC2: Matapeake-----	92	Not Rated Not Rated; AASHTO GIN		Somewhat limited Cutbanks cave	0.10	Not limited	
		Frost action	0.50				
MeC3: Matapeake-----	95	Not Rated Not Rated; AASHTO GIN		Somewhat limited Cutbanks cave	0.10	Not limited	
		Frost action	0.50				
MeD2: Matapeake-----	95	Not Rated Not Rated; AASHTO GIN		Somewhat limited Slope	0.84	Somewhat limited Slope	0.84
		Slope	0.84	Cutbanks cave	0.10		
		Frost action	0.50				

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
MeD3: Matapeake-----	95	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.84 0.50	Somewhat limited Slope Cutbanks cave	0.84 0.10	Somewhat limited Slope	0.84
MkA: Matapeake-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
MkB2: Matapeake-----	80	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
MkC2: Matapeake-----	90	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
MsB: Matapeake-----	40	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Sassafras-----	40	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
Urban Land-----	20	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN		Not Rated Not Rated; Fragments > 75mm Not Rated; Taxonomic or texture class		Not Rated Not Rated; Surface clay percent Not Rated; Surface Fragments > 75mm Not Rated; Sieve size, 3 to 10", > 10" Not Rated; pH Not Rated; AWC	
MtA: Mattapex-----	80	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

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
MtB2: Mattapex-----	85	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
MtC2: Mattapex-----	85	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
MtC3: Mattapex-----	85	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
Mv: Mixed Alluvial Land-	90	Not rated		Not rated		Not rated	
NmA: Neshaminy-----	75	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Somewhat limited Content of large stones	0.01
Montalto-----	25	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Shrink-swell Frost action	1.00 0.50	Not Rated Not Rated; Fragments > 75mm Cutbanks cave Too clayey	0.10 0.03	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size, 3 to 10", > 10"	
NmB2: Neshaminy-----	70	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
Montalto-----	30	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Cutbanks cave	0.10	Not Rated; Sieve size, 3 to 10", > 10"	
		Shrink-swell Frost action	1.00 0.50	Too clayey	0.03		
NmC2: Neshaminy-----	65	Not Rated Not Rated; AASHTO GIN		Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
		Slope	0.63	Cutbanks cave	0.10	Content of large stones	0.01
		Frost action	0.50				
Montalto-----	35	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Slope	0.63	Not Rated; Sieve size, 3 to 10", > 10"	
		Shrink-swell Slope Frost action	1.00 0.63 0.50	Cutbanks cave Too clayey	0.10 0.03	Slope	0.63
NnC3: Neshaminy-----	65	Not Rated Not Rated; AASHTO GIN		Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
		Slope	0.63	Cutbanks cave	0.10	Content of large stones	0.01
		Frost action	0.50				
Montalto-----	35	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Slope	0.63	Not Rated; Sieve size, 3 to 10", > 10"	
		Shrink-swell Slope Frost action	1.00 0.63 0.50	Cutbanks cave Too clayey	0.10 0.03	Slope	0.63
NnD3: Neshaminy-----	60	Not Rated Not Rated; AASHTO GIN		Very limited Slope	1.00	Very limited Slope	1.00
		Slope	1.00	Cutbanks cave	0.10	Content of large stones	0.01
		Frost action	0.50				

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
Montalto-----	40	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Slope	1.00	Not Rated; Sieve size, 3 to 10", > 10"	
		Slope	1.00	Cutbanks cave	0.10	Slope	1.00
		Shrink-swell	1.00	Too clayey	0.03		
		Frost action	0.50				
NsE: Neshaminy-----	60	Not Rated Not Rated; AASHTO GIN		Very limited Slope	1.00	Very limited Slope	1.00
		Slope	1.00	Cutbanks cave	0.10	Gravel content	0.01
		Frost action	0.50			Content of large stones	0.01
Talleyville-----	40	Not Rated Not Rated; AASHTO GIN		Somewhat limited Too clayey	0.28	Not limited	
		Frost action	1.00	Cutbanks cave	0.10		
NtB: Neshaminy-----	50	Not Rated Not Rated; AASHTO GIN		Somewhat limited Cutbanks cave	0.10	Somewhat limited Content of large stones	0.01
		Frost action	0.50				
Talleyville-----	32	Not Rated Not Rated; AASHTO GIN		Somewhat limited Too clayey	0.28	Not limited	
		Frost action	1.00	Cutbanks cave	0.10		
Urban Land-----	18	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface clay percent	
		Not Rated; AASHTO GIN		Not Rated; Taxonomic or texture class		Not Rated; Surface Fragments > 75mm	
						Not Rated; Sieve size, 3 to 10", > 10"	
						Not Rated; pH	
						Not Rated; AWC	
NtD: Neshaminy-----	50	Not Rated Not Rated; AASHTO GIN		Very limited Slope	1.00	Very limited Slope	1.00
		Slope	1.00	Cutbanks cave	0.10	Content of large stones	0.01
		Frost action	0.50				

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
Talleyville-----	30	Not Rated Not Rated; AASHTO GIN Frost action	1.00	Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Not limited	
Urban Land-----	20	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Slope	1.00	Not Rated Not Rated; Fragments > 75mm Not Rated; Taxonomic or texture class Slope	1.00	Not Rated Not Rated; Surface clay percent Not Rated; Surface Fragments > 75mm Not Rated; Sieve size, 3 to 10", > 10" Not Rated; pH Not Rated; AWC	
Ot: Othello-----	90	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
Ou: Urban Land-----	70	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN		Not Rated Not Rated; Fragments > 75mm Not Rated; Taxonomic or texture class		Not Rated Not Rated; Surface clay percent Not Rated; Surface Fragments > 75mm Not Rated; Sieve size, 3 to 10", > 10" Not Rated; pH Not Rated; AWC	
Fallsington-----	15	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
Othello-----	15	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

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
Po: Pocomoke-----	85	Not Rated Not Rated; AASHTO GIN Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone Cutbanks cave	1.00	Depth to saturated zone	1.00
RuB2: Rumford-----	85	Not Rated Not Rated; AASHTO GIN		Very limited Cutbanks cave	1.00	Not limited	
RuC2: Rumford-----	90	Not Rated Not Rated; AASHTO GIN		Very limited Cutbanks cave	1.00	Not limited	
SaA: Sassafras-----	90	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
SaB2: Sassafras-----	90	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
SaC2: Sassafras-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
SaC3: Sassafras-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
SaD2: Sassafras-----	85	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
SaD3: Sassafras-----	90	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

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
SmE: 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
Matapeake-----	40	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
StB: Silty And Clayey Land-----	85	Not rated		Not rated		Not rated	
StC: Silty And Clayey Land-----	85	Not rated		Not rated		Not rated	
StE: Silty And Clayey Land-----	90	Not rated		Not rated		Not rated	
TaB2: Talleyville-----	80	Not Rated Not Rated; AASHTO GIN Frost action	1.00	Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Not limited	
TaC2: Talleyville-----	85	Not Rated Not Rated; AASHTO GIN Frost action	1.00	Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Not limited	
Tm: Tidal Marsh-----	90	Not rated		Not rated		Not rated	

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
Wa: Watchung-----	90	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Depth to saturated zone	1.00	Not Rated; Sieve size, 3 to 10", > 10"	
		Depth to saturated zone	1.00	Too clayey	0.72	Depth to saturated zone	1.00
		Frost action	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
WcA: Watchung-----	55	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Depth to saturated zone	1.00	Not Rated; Sieve size, 3 to 10", > 10"	
		Depth to saturated zone	1.00	Too clayey	0.72	Depth to saturated zone	1.00
		Frost action	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
Calvert-----	35	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Depth to saturated zone	1.00	Not Rated; Sieve size, 3 to 10", > 10"	
		Depth to saturated zone	1.00	Too clayey	0.72	Depth to saturated zone	1.00
		Frost action	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
WcB: Watchung-----	50	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Depth to saturated zone	1.00	Not Rated; Sieve size, 3 to 10", > 10"	
		Depth to saturated zone	1.00	Too clayey	0.72	Depth to saturated zone	1.00
		Frost action	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				

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
Calvert-----	40	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Depth to saturated zone	1.00	Not Rated; Sieve size, 3 to 10", > 10"	
		Depth to saturated zone	1.00	Too clayey	0.72	Depth to saturated zone	1.00
		Frost action	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
WoA: Woodstown-----	90	Not Rated Not Rated; AASHTO GIN		Very limited Cutbanks cave	1.00	Not limited	
		Frost action	0.50	Depth to saturated zone	1.00		
WoB2: Woodstown-----	85	Not Rated Not Rated; AASHTO GIN		Very limited Cutbanks cave	1.00	Not limited	
		Frost action	0.50	Depth to saturated zone	1.00		
WsA: Woodstown-----	88	Not Rated Not Rated; AASHTO GIN		Very limited Cutbanks cave	1.00	Not limited	
		Frost action	0.50	Depth to saturated zone	1.00		
WsB2: Woodstown-----	85	Not Rated Not Rated; AASHTO GIN		Very limited Cutbanks cave	1.00	Not limited	
		Frost action	0.50	Depth to saturated zone	1.00		

