

(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
AmB: Airmont-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Depth to saturated zone	1.00	Somewhat limited Content of large stones	0.84
		Depth to saturated zone	0.03	Depth to dense layer	0.50	Droughty	0.26
		Content of large stones	0.01	Cutbanks cave	0.10	Gravel content	0.05
				Depth to thin cemented pan	0.03	Depth to saturated zone	0.03
				Content of large stones	0.01	Depth to cemented pan	0.03
AmD: Airmont-----	85	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Depth to saturated zone	1.00	Very limited Slope	1.00
		Frost action	0.50	Slope	1.00	Content of large stones	0.84
		Depth to saturated zone	0.03	Depth to dense layer	0.50	Droughty	0.26
		Content of large stones	0.01	Cutbanks cave	0.10	Gravel content	0.05
				Depth to thin cemented pan	0.03	Depth to saturated zone	0.03
AnB: Andover-----	45	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action	1.00	Very limited Depth to saturated zone Cutbanks cave	1.00	Very limited Depth to saturated zone Depth to cemented pan Droughty Content of large stones	1.00 0.90 0.88 0.08
Buchanan-----	40	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave	1.00	Somewhat limited Depth to cemented pan	0.64
		Depth to saturated zone	0.03	Depth to saturated zone	1.00	Content of large stones Gravel content	0.32 0.26
						Droughty Depth to saturated zone	0.05 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
At: Atkins-----	85	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 0.80	Very limited Flooding Depth to saturated zone	1.00 1.00
BaB: Bagtown-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.24	Somewhat limited Content of large stones Gravel content	0.97 0.20
BaC: Bagtown-----	85	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Very limited Cutbanks cave Slope Depth to saturated zone	1.00 0.63 0.24	Somewhat limited Content of large stones Slope Gravel content	0.97 0.63 0.20
BaD: Bagtown-----	85	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave Depth to saturated zone	1.00 1.00 0.24	Very limited Slope Content of large stones Gravel content	1.00 0.97 0.20
BbD: Bagtown-----	85	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave Depth to saturated zone	1.00 1.00 0.15	Very limited Slope Content of large stones Gravel content	1.00 1.00 0.15
BbE: Bagtown-----	85	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave Depth to saturated zone	1.00 1.00 0.15	Very limited Slope Content of large stones Gravel content	1.00 1.00 0.13

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
Bc: Basher-----	80	Not Rated Not Rated; AASHTO GIN Frost action	1.00	Very limited Depth to saturated zone Flooding	1.00 0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.43
BeB: Berks-----	80	Not Rated Not Rated; AASHTO GIN		Somewhat limited Depth to soft bedrock Cutbanks cave	0.46 0.10	Somewhat limited Droughty Depth to bedrock Gravel content Content of large stones	0.92 0.46 0.39 0.32
BeC: Berks-----	80	Not Rated Not Rated; AASHTO GIN Slope	0.63	Somewhat limited Slope Depth to soft bedrock Cutbanks cave	0.63 0.46 0.10	Somewhat limited Droughty Slope Depth to bedrock Gravel content Content of large stones	0.93 0.63 0.46 0.39 0.32
BfB: Berks-----	50	Not Rated Not Rated; AASHTO GIN		Somewhat limited Depth to soft bedrock Cutbanks cave	0.46 0.10	Somewhat limited Droughty Gravel content Depth to bedrock Content of large stones	0.93 0.55 0.46 0.08
Weikert-----	35	Not Rated Not Rated; AASHTO GIN Depth to soft bedrock Frost action	1.00 0.50	Not Rated Not Rated; Clay percent Depth to soft bedrock Cutbanks cave	1.00 0.10	Very limited Depth to bedrock Droughty Gravel content Content of large stones	1.00 1.00 0.92 0.01
BfC: Berks-----	45	Not Rated Not Rated; AASHTO GIN Slope	0.63	Somewhat limited Slope Depth to soft bedrock Cutbanks cave	0.63 0.46 0.10	Somewhat limited Droughty Slope Gravel content Depth to bedrock Content of large stones	0.95 0.63 0.55 0.46 0.08

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
Weikert-----	40	Not Rated Not Rated; AASHTO GIN Depth to soft bedrock Slope Frost action	1.00 0.63 0.50	Not Rated Not Rated; Clay percent Depth to soft bedrock Slope Cutbanks cave	 1.00 0.63 0.10	Very limited Depth to bedrock Droughty Gravel content Slope Content of large stones	1.00 1.00 0.92 0.63 0.01
BkB: Berks-----	35	Not Rated Not Rated; AASHTO GIN		Somewhat limited Depth to soft bedrock Cutbanks cave	0.46 0.10	Somewhat limited Droughty Gravel content Depth to bedrock Content of large stones	0.93 0.55 0.46 0.08
Weikert-----	35	Not Rated Not Rated; AASHTO GIN Depth to soft bedrock Frost action	1.00 0.50	Not Rated Not Rated; Clay percent Depth to soft bedrock Cutbanks cave	 1.00 0.10	Very limited Depth to bedrock Droughty Gravel content Content of large stones	1.00 1.00 0.92 0.01
Urban Land-----	20	Not rated		Not rated		Not rated	
BkD: Berks-----	35	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.46 0.10	Very limited Slope Droughty Gravel content Depth to bedrock Content of large stones	1.00 0.93 0.55 0.46 0.08
Weikert-----	35	Not Rated Not Rated; AASHTO GIN Depth to soft bedrock Slope Frost action	1.00 1.00 0.50	Not Rated Not Rated; Clay percent Depth to soft bedrock Slope Cutbanks cave	 1.00 0.10	Very limited Depth to bedrock Droughty Slope Gravel content Content of large stones	1.00 1.00 1.00 0.92 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
Urban Land-----	20	Not rated		Not rated		Not rated	
Br: Bigpool-----	85	Not Rated Not Rated; AASHTO GIN Flooding Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 0.95 0.60	Somewhat limited Flooding	0.60
BrB: Braddock-----	45	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Shrink-swell Frost action	0.50 0.50	Not Rated Not Rated; Fragments > 75mm Cutbanks cave Too clayey	1.00 0.12	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size	
Thurmont-----	40	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Frost action	0.50	Not Rated Not Rated; Fragments > 75mm Depth to saturated zone Cutbanks cave	0.15 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size	
BrC: Braddock-----	45	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Slope Shrink-swell Frost action	0.63 0.50 0.50	Not Rated Not Rated; Fragments > 75mm Cutbanks cave Slope Too clayey	1.00 0.63 0.12	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size Slope	0.63
Thurmont-----	40	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Not Rated Not Rated; Fragments > 75mm Slope Depth to saturated zone Cutbanks cave	0.63 0.15 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size 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
BrD: Braddock-----	45	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	
		Slope	1.00	Cutbanks cave	1.00	Slope	1.00
		Shrink-swell	0.50	Too clayey	0.12		
		Frost action	0.50				
Thurmont-----	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	
		Slope	1.00	Depth to saturated zone	0.15	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10		
BtB: Brinkerton-----	80	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	Depth to cemented pan	0.96
		Frost action	1.00			Droughty	0.02
		Shrink-swell	0.50			Content of large stones	0.01
BuB: Buchanan-----	85	Not Rated Not Rated; AASHTO GIN		Very limited Cutbanks cave	1.00	Somewhat limited Depth to cemented pan	0.64
		Frost action	0.50	Depth to saturated zone	1.00	Gravel content	0.54
		Depth to saturated zone	0.03			Depth to saturated zone	0.03
						Droughty	0.02
						Content of large stones	0.01
BuC: Buchanan-----	85	Not Rated Not Rated; AASHTO GIN		Very limited Cutbanks cave	1.00	Somewhat limited Depth to cemented pan	0.64
		Slope	0.63	Depth to saturated zone	1.00	Slope	0.63
		Frost action	0.50	Slope	0.63	Gravel content	0.54
		Depth to saturated zone	0.03			Droughty	0.17
						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
BuD: Buchanan-----	85	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	1.00	Depth to cemented pan	0.64
		Depth to saturated zone	0.03	Depth to saturated zone	1.00	Gravel content	0.54
						Droughty	0.20
						Depth to saturated zone	0.03
CaB: Calvin-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Depth to soft bedrock	0.46	Somewhat limited Depth to bedrock	0.46
				Cutbanks cave	0.10	Droughty	0.05
						Content of large stones	0.03
CaC: Calvin-----	85	Not Rated Not Rated; AASHTO GIN Slope	0.63	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
		Frost action	0.50	Depth to soft bedrock	0.46	Depth to bedrock	0.46
				Cutbanks cave	0.10	Droughty	0.05
						Content of large stones	0.03
CaD: Calvin-----	85	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 soft bedrock	0.46	Depth to bedrock	0.46
				Cutbanks cave	0.10	Droughty	0.05
						Content of large stones	0.03
CcB: Catoclin-----	45	Not Rated Not Rated; AASHTO GIN Depth to hard bedrock	0.46	Very limited Depth to hard bedrock	1.00	Somewhat limited Gravel content	0.62
				Cutbanks cave	0.10	Depth to bedrock	0.46
						Content of large stones	0.20
						Droughty	0.15
Myersville-----	45	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
CcC: Catoctin-----	60	Not Rated Not Rated; AASHTO GIN Slope Depth to hard bedrock	 0.63 0.46	Very limited Depth to hard bedrock Slope Cutbanks cave	 1.00 0.63 0.10	Somewhat limited Slope Gravel content Depth to bedrock Content of large stones Droughty	 0.63 0.62 0.46 0.20 0.15
Myersville-----	30	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
CcD: Catoctin-----	60	Not Rated Not Rated; AASHTO GIN Slope Depth to hard bedrock	 1.00 0.46	Very limited Depth to hard bedrock Slope Cutbanks cave	 1.00 1.00 0.10	Very limited Slope Gravel content Depth to bedrock Content of large stones Droughty	 1.00 0.62 0.46 0.20 0.15
Myersville-----	30	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
CkB: Clearbrook-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action Depth to saturated zone Content of large stones	 0.50 0.50 0.48 0.01	Very limited Depth to saturated zone Depth to soft bedrock Cutbanks cave Content of large stones	 1.00 0.46 0.10 0.01	Somewhat limited Droughty Depth to saturated zone Depth to bedrock Content of large stones	 0.48 0.48 0.46 0.32
Cm: Codorus-----	80	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

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
Cn: Codorus-----	80	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
Co: Combs-----	85	Not Rated Not Rated; AASHTO GIN Flooding	0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
Cp: Combs-----	85	Not Rated Not Rated; AASHTO GIN Flooding	0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
DaB: DeKalb-----	80	Not Rated Not Rated; AASHTO GIN Depth to hard bedrock	0.46	Very limited Depth to hard bedrock Cutbanks cave	1.00 0.10	Somewhat limited Content of large stones Droughty Depth to bedrock Gravel content	0.84 0.70 0.46 0.05
DaC: DeKalb-----	80	Not Rated Not Rated; AASHTO GIN Slope Depth to hard bedrock	0.63 0.46	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 0.63 0.10	Somewhat limited Content of large stones Droughty Slope Depth to bedrock Gravel content	0.84 0.70 0.63 0.46 0.05
DaD: DeKalb-----	80	Not Rated Not Rated; AASHTO GIN Slope Depth to hard bedrock	1.00 0.46	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Content of large stones Droughty Depth to bedrock Gravel content	1.00 0.84 0.70 0.46 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
DeA: DeKalb-----	55	Not Rated Not Rated; AASHTO GIN Content of large stones Depth to hard bedrock	0.96 0.46	Very limited Depth to hard bedrock Content of large stones Cutbanks cave	1.00 0.96 0.10	Very limited Content of large stones Droughty Depth to bedrock	1.00 0.70 0.46
Rock Outcrop-----	35	Not rated		Not rated		Not rated	
DeB: DeKalb-----	55	Not Rated Not Rated; AASHTO GIN Content of large stones Depth to hard bedrock	0.96 0.46	Very limited Depth to hard bedrock Content of large stones Cutbanks cave	1.00 0.96 0.10	Very limited Content of large stones Droughty Depth to bedrock	1.00 0.70 0.46
Rock Outcrop-----	35	Not rated		Not rated		Not rated	
DeC: DeKalb-----	50	Not Rated Not Rated; AASHTO GIN Content of large stones Slope Depth to hard bedrock	0.96 0.63 0.46	Very limited Depth to hard bedrock Content of large stones Slope Cutbanks cave	1.00 0.96 0.63 0.10	Very limited Content of large stones Droughty Slope Depth to bedrock	1.00 0.70 0.63 0.46
Rock Outcrop-----	35	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
DeD: Dekalb-----	45	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Depth to hard bedrock Slope	1.00 1.00	Very limited Slope Content of large stones Droughty	1.00 1.00 0.70
		Content of large stones Depth to hard bedrock	0.96 0.46	Content of large stones Cutbanks cave	0.96 0.10	Depth to bedrock	0.46
Rock Outcrop-----	35	Not rated		Not rated		Not rated	
DgF: Bagtown-----	35	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Content of large stones	1.00 0.97
		Frost action	0.50	Depth to saturated zone	0.24	Gravel content	0.20
Dekalb-----	35	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Depth to hard bedrock Slope	1.00 1.00	Very limited Slope Content of large stones Droughty	1.00 1.00 0.70
		Content of large stones Depth to hard bedrock	0.96 0.46	Content of large stones Cutbanks cave	0.96 0.10	Depth to bedrock	0.46
Rock Outcrop-----	20	Not rated		Not rated		Not rated	
DhF: Dekalb-----	35	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Depth to hard bedrock Slope	1.00 1.00	Very limited Slope Content of large stones Droughty	1.00 1.00 0.70
		Content of large stones Depth to hard bedrock	0.96 0.46	Content of large stones Cutbanks cave	0.96 0.10	Depth to bedrock	0.46

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
Hazleton-----	30	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	1.00	Content of large stones	1.00
		Content of large stones	0.18	Content of large stones	0.18		
				Cutbanks cave	0.10		
Dk: Deposit-----	80	Not Rated Not Rated; AASHTO GIN Frost action	1.00	Very limited Depth to saturated zone Cutbanks cave	1.00	Somewhat limited Droughty	0.43
		Depth to saturated zone	0.43			Depth to saturated zone	0.43
		Flooding	0.40			Gravel content	0.25
DnB: Deposit-----	80	Not Rated Not Rated; AASHTO GIN Frost action	1.00	Very limited Depth to saturated zone Cutbanks cave	1.00	Somewhat limited Droughty	0.43
		Depth to saturated zone	0.43			Depth to saturated zone	0.43
		Flooding	0.40			Gravel content	0.13
						Content of large stones	0.08
DoA: Downsville-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave	1.00	Somewhat limited Gravel content	0.11
						Content of large stones	0.01
DoB: Downsville-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave	1.00	Somewhat limited Gravel content	0.11
						Content of large stones	0.01
DoC: Downsville-----	85	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 Gravel content	0.63 0.11
						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
DoD: Downsville-----	85	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 Gravel content Content of large stones	1.00 0.11 0.01
DoE: Downsville-----	85	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 Gravel content Content of large stones	1.00 0.11 0.01
DrA: Dryrun-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.99	Somewhat limited Gravel content Content of large stones	0.81 0.01
DrB: Dryrun-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.99	Somewhat limited Gravel content Content of large stones	0.81 0.01
DsA: Duffield-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
DsB: Duffield-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
DsC: Duffield-----	85	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	0.63 0.50 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
DsD: Duffield-----	85	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
DuB: Duffield-----	80	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
DuC: Duffield-----	80	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
DvB: Duffield-----	45	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Rock Outcrop-----	40	Not rated		Not rated		Not rated	
DvC: Duffield-----	45	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
Rock Outcrop-----	40	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
DvD: Duffield-----	45	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Rock Outcrop-----	40	Not rated		Not rated		Not rated	
Fa: Fairplay-----	80	Not Rated Not Rated; AASHTO GIN Ponding Depth to saturated zone Frost action 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 Carbonate content	1.00 1.00 1.00 1.00
FO: Foxville-----	55	Not Rated Not Rated; AASHTO GIN Frost action Flooding Depth to saturated zone Content of large stones	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Content of large stones Flooding Cutbanks cave	1.00 1.00 0.60 0.10	Very limited Content of large stones Depth to saturated zone Flooding	1.00 1.00 0.60
Hatboro-----	40	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
Ft: Funkstown-----	80	Not Rated Not Rated; AASHTO GIN Flooding Frost action	1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 0.99 0.80	Very limited Flooding	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
HaA: Hagerstown-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	 0.50 0.50	Somewhat limited Too clayey Cutbanks cave	 0.28 0.10	Somewhat limited Content of large stones	 0.03
HaB: Hagerstown-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	 0.50 0.50	Somewhat limited Too clayey Cutbanks cave	 0.28 0.10	Somewhat limited Content of large stones	 0.03
HaC: Hagerstown-----	85	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	 0.63 0.50 0.50	Somewhat limited Slope Too clayey Cutbanks cave	 0.63 0.28 0.10	Somewhat limited Slope Content of large stones	 0.63 0.03
HaD: Hagerstown-----	85	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	 0.63 0.50 0.50	Somewhat limited Slope Too clayey Cutbanks cave	 0.63 0.28 0.10	Somewhat limited Slope Content of large stones	 0.63 0.03
HbB: Hagerstown-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	 0.50 0.50	Somewhat limited Too clayey Cutbanks cave	 0.28 0.10	Somewhat limited Content of large stones	 0.03
HbC: Hagerstown-----	85	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	 0.63 0.50 0.50	Somewhat limited Slope Too clayey Cutbanks cave	 0.63 0.28 0.10	Somewhat limited Slope Content of large stones	 0.63 0.03
HbD: Hagerstown-----	85	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	 1.00 0.50 0.50	Very limited Slope Too clayey Cutbanks cave	 1.00 0.28 0.10	Very limited Slope Content of large stones	 1.00 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
HcB: Hagerstown-----	70	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	 0.50 0.50	Somewhat limited Too clayey Cutbanks cave	 0.28 0.10	Somewhat limited Content of large stones	 0.03
Rock Outcrop-----	15	Not rated		Not rated		Not rated	
HcC: Hagerstown-----	70	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	 0.63 0.50 0.50	Somewhat limited Slope Too clayey Cutbanks cave	 0.63 0.28 0.10	Somewhat limited Slope Content of large stones	 0.63 0.03
Rock Outcrop-----	15	Not rated		Not rated		Not rated	
HcD: Hagerstown-----	70	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	 1.00 0.50 0.50	Very limited Slope Too clayey Cutbanks cave	 1.00 0.28 0.10	Very limited Slope Content of large stones	 1.00 0.03
Rock Outcrop-----	15	Not rated		Not rated		Not rated	
HdB: Duffield-----	35	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	 0.50 0.50	Somewhat limited Cutbanks cave	 0.10	Not limited	
Hagerstown-----	35	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	 0.50 0.50	Somewhat limited Too clayey Cutbanks cave	 0.28 0.10	Somewhat limited Content of large stones	 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
Urban Land-----	20	Not rated		Not rated		Not rated	
HdD: Duffield-----	35	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	 1.00 0.50 0.50	Very limited Slope Cutbanks cave	 1.00 0.10	Very limited Slope	 1.00
Hagerstown-----	35	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	 1.00 0.50 0.50	Very limited Slope Too clayey Cutbanks cave	 1.00 0.28 0.10	Very limited Slope Content of large stones	 1.00 0.03
Urban Land-----	20	Not rated		Not rated		Not rated	
HgB: Hagerstown-----	40	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	 0.50 0.50	Somewhat limited Too clayey Cutbanks cave	 0.28 0.10	Somewhat limited Content of large stones	 0.03
Opequon-----	30	Not Rated Not Rated; AASHTO GIN Depth to hard bedrock Shrink-swell Frost action	 1.00 1.00 0.50	Not Rated Not Rated; Clay percent Depth to hard bedrock Cutbanks cave	 1.00 1.00 0.10	Very limited Depth to bedrock Droughty	 1.00 1.00
Rock Outcrop-----	20	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
Hh: Hatboro-----	85	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
HnB: Hazel-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Depth to soft bedrock Cutbanks cave	0.46 0.10	Somewhat limited Depth to bedrock Gravel content Droughty	0.46 0.38 0.14
HnC: Hazel-----	85	Not Rated Not Rated; AASHTO GIN Slope Frost action Depth to hard bedrock	0.63 0.50 0.46	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 0.63 0.10	Somewhat limited Slope Depth to bedrock Gravel content Droughty	0.63 0.46 0.38 0.14
HnD: Hazel-----	85	Not Rated Not Rated; AASHTO GIN Slope Frost action Depth to hard bedrock	1.00 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 Gravel content Droughty	1.00 0.46 0.38 0.25
HrE: Hazel-----	45	Not Rated Not Rated; AASHTO GIN Slope Frost action Depth to hard bedrock	1.00 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 Gravel content Droughty	1.00 0.46 0.38 0.01
Rock Outcrop-----	40	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
HsD: Hazleton-----	80	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	1.00	Content of large stones	1.00
		Content of large stones	0.18	Content of large stones	0.18		
				Cutbanks cave	0.10		
HsE: Hazleton-----	85	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	1.00	Content of large stones	1.00
		Content of large stones	0.18	Content of large stones	0.18		
				Cutbanks cave	0.10		
HtB: Highfield-----	85	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN Frost action	0.50	Cutbanks cave	0.10	Not Rated; Sieve size	
HtC: Highfield-----	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	Slope	0.63	Not Rated; Sieve size	
		Frost action	0.50	Cutbanks cave	0.10	Slope	0.63
HtD: Highfield-----	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	Slope	1.00	Not Rated; Sieve size	
		Frost action	0.50	Cutbanks cave	0.10	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
KcB: Klinesville-----	45	Not Rated Not Rated; AASHTO GIN Depth to soft bedrock Frost action	1.00 0.50	Not Rated Not Rated; Clay percent Depth to soft bedrock Cutbanks cave	 1.00 0.10	Very limited Depth to bedrock Droughty Gravel content Content of large stones	1.00 1.00 0.92 0.01
Calvin-----	40	Not Rated Not Rated; AASHTO GIN Frost action	 0.50	Somewhat limited Depth to soft bedrock Cutbanks cave	 0.46 0.10	Somewhat limited Depth to bedrock Droughty Content of large stones	0.46 0.05 0.03
KcC: Klinesville-----	45	Not Rated Not Rated; AASHTO GIN Depth to soft bedrock Slope Frost action	1.00 0.63 0.50	Not Rated Not Rated; Clay percent Depth to soft bedrock Slope Cutbanks cave	 1.00 0.63 0.10	Very limited Depth to bedrock Droughty Gravel content Slope Content of large stones	1.00 1.00 0.92 0.63 0.01
Calvin-----	40	Not Rated Not Rated; AASHTO GIN Slope Frost action	 0.63 0.50	Somewhat limited Slope Depth to soft bedrock Cutbanks cave	 0.63 0.46 0.10	Somewhat limited Slope Depth to bedrock Droughty Content of large stones	0.63 0.46 0.05 0.03
KcD: Klinesville-----	55	Not Rated Not Rated; AASHTO GIN Slope Depth to soft bedrock Frost action	1.00 1.00 0.50	Not Rated Not Rated; Clay percent Depth to soft bedrock Slope Cutbanks cave	 1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty Gravel content Content of large stones	1.00 1.00 1.00 0.92 0.01
Calvin-----	30	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 1.00 0.50	Very limited Slope Depth to soft bedrock Cutbanks cave	 1.00 0.46 0.10	Very limited Slope Depth to bedrock Droughty Content of large stones	1.00 0.46 0.05 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
KcF: Klinesville-----	55	Not Rated Not Rated; AASHTO GIN Slope	1.00	Not Rated Not Rated; Clay percent Depth to soft bedrock Slope	1.00	Very limited Depth to bedrock Slope	1.00
		Depth to soft bedrock Frost action	1.00 0.50	Cutbanks cave	0.10	Droughty Gravel content Content of large stones	1.00 0.92 0.01
Calvin-----	30	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 soft bedrock Cutbanks cave	0.46 0.10	Depth to bedrock Droughty Content of large stones	0.46 0.05 0.03
LaB: Lantz-----	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 Frost action Shrink-swell	1.00 1.00 0.50	Depth to saturated zone Cutbanks cave	1.00 0.10	Not Rated; Sieve size Depth to saturated zone	1.00
Rohrersville-----	40	Not Rated Not Rated; AASHTO GIN Frost action	1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone Content of large stones Gravel content	0.94 0.32 0.26
		Depth to saturated zone Shrink-swell	0.94 0.50				
Lb: Lappans-----	85	Not Rated Not Rated; AASHTO GIN Flooding	1.00	Somewhat limited Flooding	0.60	Very limited Carbonate content	1.00
		Frost action	0.50	Depth to saturated zone Cutbanks cave	0.15 0.10	Flooding	0.60

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
MhA: Monongahela-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone Content of large stones	0.03 0.03
MhB: Monongahela-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone Content of large stones	0.03 0.03
MhC: Monongahela-----	85	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Very limited Depth to saturated zone Slope Cutbanks cave	1.00 0.63 0.10	Somewhat limited Slope Depth to saturated zone Content of large stones	0.63 0.03 0.03
MkB: Mt. Zion-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	0.50 0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.82	Somewhat limited Content of large stones	0.05
MkC: Mt. Zion-----	85	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	0.63 0.50 0.50	Very limited Cutbanks cave Depth to saturated zone Slope	1.00 0.82 0.63	Somewhat limited Slope Content of large stones	0.63 0.05
MmA: Mt. Zion-----	45	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	0.50 0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.82	Somewhat limited 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
Rohrersville-----	45	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone Shrink-swell	1.00 0.94 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.94
MoB: Murrill-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.01	Not limited	
MoC: Murrill-----	85	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Somewhat limited Slope Cutbanks cave Too clayey	0.63 0.10 0.01	Somewhat limited Slope	0.63
MsB: Murrill-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave Too clayey	1.00 0.01	Somewhat limited Gravel content	0.41
MsC: Murrill-----	85	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Very limited Cutbanks cave Slope Too clayey	1.00 0.63 0.01	Somewhat limited Slope Gravel content	0.63 0.41
MsD: Murrill-----	85	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave Too clayey	1.00 1.00 0.01	Very limited Slope Gravel content	1.00 0.41
MuB: Murrill-----	45	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave Too clayey	1.00 0.01	Somewhat limited Gravel content	0.41
Urban Land-----	45	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
MuD: Murrill-----	45	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Cutbanks cave Slope Too clayey	1.00 1.00 0.01	Very limited Slope Gravel content	1.00 0.41
Urban Land-----	45	Not rated		Not rated		Not rated	
MvB: Myersville-----	90	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
MvC: Myersville-----	90	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
MwB: Myersville-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
MwC: Myersville-----	85	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
MwD: Myersville-----	80	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
NoB: Nollville-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Somewhat limited Gravel content	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
NoC: Nollville-----	85	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	 0.63 0.10	Somewhat limited Slope Gravel content	 0.63 0.50
NoD: Nollville-----	85	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	 1.00 0.50 0.50	Very limited Slope Cutbanks cave	 1.00 0.10	Very limited Slope Gravel content	 1.00 0.50
OpA: Opequon-----	85	Not Rated Not Rated; AASHTO GIN Depth to hard bedrock Shrink-swell Frost action	 1.00 1.00 0.50	Not Rated Not Rated; Clay percent Depth to hard bedrock Cutbanks cave	 1.00 1.00 0.10	Very limited Depth to bedrock Droughty	 1.00 1.00
OpB: Opequon-----	85	Not Rated Not Rated; AASHTO GIN Depth to hard bedrock Shrink-swell Frost action	 1.00 1.00 0.50	Not Rated Not Rated; Clay percent Depth to hard bedrock Cutbanks cave	 1.00 1.00 0.10	Very limited Depth to bedrock Droughty	 1.00 1.00
OpC: Opequon-----	85	Not Rated Not Rated; AASHTO GIN Depth to hard bedrock Shrink-swell Slope Frost action	 1.00 1.00 0.63 0.50	Not Rated Not Rated; Clay percent Depth to hard bedrock Slope Cutbanks cave	 1.00 1.00 0.63 0.10	Very limited Depth to bedrock Droughty Slope	 1.00 1.00 0.63
OrB: Opequon-----	45	Not Rated Not Rated; AASHTO GIN Depth to hard bedrock Shrink-swell Frost action	 1.00 1.00 0.50	Not Rated Not Rated; Clay percent Depth to hard bedrock Cutbanks cave	 1.00 1.00 0.10	Very limited Depth to bedrock Droughty	 1.00 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
Rock Outcrop-----	40	Not rated		Not rated		Not rated	
OrC: Opequon-----	45	Not Rated Not Rated; AASHTO GIN Depth to hard bedrock Shrink-swell Slope Frost action	1.00 0.63 1.00 0.63 0.50	Not Rated Not Rated; Clay percent Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 0.63 0.10	Very limited Depth to bedrock Droughty Slope	1.00 1.00 0.63
Rock Outcrop-----	40	Not rated		Not rated		Not rated	
OrD: Opequon-----	45	Not Rated Not Rated; AASHTO GIN Depth to hard bedrock Slope Shrink-swell Frost action	1.00 0.63 1.00 1.00 0.50	Not Rated Not Rated; Clay percent Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty	1.00 1.00 1.00
Rock Outcrop-----	40	Not rated		Not rated		Not rated	
OrF: Opequon-----	45	Not Rated Not Rated; AASHTO GIN Depth to hard bedrock Slope Shrink-swell Frost action	1.00 0.63 1.00 1.00 0.50	Not Rated Not Rated; Clay percent Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty	1.00 1.00 1.00
Rock Outcrop-----	40	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
PaB: Pecktonville-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell	1.00	Somewhat limited Depth to saturated zone Cutbanks cave	0.24 0.10	Somewhat limited Gravel content Content of large stones	0.26 0.05
		Frost action	0.50	Too clayey	0.01		
PaC: Pecktonville-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell	1.00	Somewhat limited Slope Depth to saturated zone Cutbanks cave	0.63 0.24 0.10	Somewhat limited Slope Gravel content Content of large stones	0.63 0.26 0.05
		Slope	0.63	Too clayey	0.01		
		Frost action	0.50				
PaD: Pecktonville-----	85	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope Depth to saturated zone Cutbanks cave	1.00 0.24 0.10	Very limited Slope Gravel content Content of large stones	1.00 0.26 0.05
		Shrink-swell	1.00	Too clayey	0.01		
		Frost action	0.50				
PcB: Pecktonville-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell	1.00	Somewhat limited Depth to saturated zone Cutbanks cave	0.24 0.10	Somewhat limited Content of large stones Gravel content	0.95 0.02
		Frost action	0.50	Too clayey	0.01		
PcC: Pecktonville-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell	1.00	Somewhat limited Slope Depth to saturated zone Cutbanks cave	0.63 0.24 0.10	Somewhat limited Content of large stones Slope Gravel content	0.95 0.63 0.02
		Slope	0.63	Too clayey	0.01		
		Frost action	0.50				
PcD: Pecktonville-----	85	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope Depth to saturated zone Cutbanks cave	1.00 0.24 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.95 0.02
		Shrink-swell	1.00	Too clayey	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
PeE: Pecktonville-----	55	Not Rated Not Rated; AASHTO GIN Depth to hard bedrock Slope Shrink-swell Frost action	1.00 1.00 1.00 1.00 0.50	Very limited Depth to hard bedrock Slope Depth to saturated zone Cutbanks cave Too clayey	1.00 1.00 0.24 0.10 0.01	Very limited Depth to bedrock Slope Droughty Content of large stones Gravel content	1.00 1.00 1.00 0.95 0.13
Rock Outcrop-----	35	Not rated		Not rated		Not rated	
Pg: Philo-----	85	Not Rated Not Rated; AASHTO GIN Flooding Frost action Depth to saturated zone	1.00 1.00 0.50 0.03	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 1.00 0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.03
Ph: Philo-----	85	Not Rated Not Rated; AASHTO GIN Flooding Frost action Depth to saturated zone	1.00 1.00 0.50 0.03	Very limited Cutbanks cave Depth to saturated zone Depth to hard bedrock Flooding	1.00 1.00 1.00 0.60	Somewhat limited Flooding Depth to saturated zone Content of large stones	0.60 0.03 0.01
Pn: Pope-----	85	Not Rated Not Rated; AASHTO GIN Flooding Frost action	1.00 1.00 0.50	Somewhat limited Flooding Cutbanks cave	0.60 0.10	Somewhat limited Flooding	0.60
Po: Pope-----	85	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Flooding Frost action	1.00 0.50	Not Rated Not Rated; Fragments > 75mm Cutbanks cave Flooding	1.00 0.60	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size Flooding	0.60

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
Qa: Quarry-----	100	Not rated		Not rated		Not rated	
Qm: Quarry-----	100	Not rated		Not rated		Not rated	
Qr: Quarry-----	100	Not rated		Not rated		Not rated	
Qs: Quarry-----	100	Not rated		Not rated		Not rated	
RaC: Ravenrock-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell	0.50	Very limited Cutbanks cave	1.00	Somewhat limited Content of large stones	0.38
		Frost action Slope	0.50 0.04	Depth to saturated zone Slope	0.24 0.04	Gravel content Slope	0.24 0.04
RaD: Ravenrock-----	85	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Shrink-swell Frost action	0.50 0.50	Cutbanks cave Depth to saturated zone	1.00 0.24	Content of large stones Gravel content	0.38 0.24

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
ReC: Ravenrock-----	45	Not Rated Not Rated; AASHTO GIN Shrink-swell	0.50	Very limited Cutbanks cave	1.00	Somewhat limited Content of large stones	0.38
		Frost action Slope	0.50 0.04	Depth to saturated zone Slope	0.24 0.04	Gravel content Slope	0.24 0.04
Rohrersville-----	45	Not Rated Not Rated; AASHTO GIN Frost action	1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone Content of large stones	0.94 0.32
		Depth to saturated zone Shrink-swell Slope	0.94 0.50 0.04	Slope	0.04	Gravel content Slope	0.26 0.04
ReC: Highfield-----	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 Frost action	0.63 0.50	Slope Cutbanks cave	0.63 0.10	Not Rated; Sieve size Slope	0.63
Ravenrock-----	40	Not Rated Not Rated; AASHTO GIN Slope	0.63	Very limited Cutbanks cave	1.00	Somewhat limited Slope	0.63
		Shrink-swell Frost action	0.50 0.50	Slope Depth to saturated zone	0.63 0.24	Content of large stones Gravel content	0.38 0.24
Rock Outcrop-----	10	Not rated		Not rated		Not rated	
ReD: Highfield-----	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 Frost action	1.00 0.50	Slope Cutbanks cave	1.00 0.10	Not Rated; Sieve size 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
Ravenrock-----	40	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	1.00	Content of large stones	0.38
		Frost action	0.50	Depth to saturated zone	0.24	Gravel content	0.24
Rock Outcrop-----	10	Not rated		Not rated		Not rated	
ReF: Highfield-----	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 Frost action	1.00 0.50	Slope Cutbanks cave	1.00 0.10	Not Rated; Sieve size Slope	1.00
Ravenrock-----	40	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	1.00	Content of large stones	0.38
		Frost action	0.50	Depth to saturated zone	0.24	Gravel content	0.24
Rock Outcrop-----	10	Not rated		Not rated		Not rated	
RhB: Rohrersville-----	55	Not Rated Not Rated; AASHTO GIN Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.94
		Depth to saturated zone	0.94	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
Lantz-----	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	
		Depth to saturated zone	1.00	Cutbanks cave	0.10	Depth to saturated zone	1.00
		Frost action	1.00				
		Shrink-swell	0.50				
RmB: Ryder-----	55	Not Rated Not Rated; AASHTO GIN		Somewhat limited Depth to soft bedrock	0.26	Somewhat limited Depth to bedrock	0.26
		Frost action	0.50	Cutbanks cave	0.10	Gravel content	0.18
Duffield-----	40	Not Rated Not Rated; AASHTO GIN		Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
RmC: Ryder-----	55	Not Rated Not Rated; AASHTO GIN		Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
		Slope	0.63	Depth to soft bedrock	0.26	Depth to bedrock	0.26
		Frost action	0.50	Cutbanks cave	0.10	Gravel content	0.18
Duffield-----	40	Not Rated Not Rated; AASHTO GIN		Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
		Slope	0.63	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
RmD: Ryder-----	50	Not Rated Not Rated; AASHTO GIN		Very limited Slope	1.00	Very limited Slope	1.00
		Slope	1.00	Depth to soft bedrock	0.26	Depth to bedrock	0.26
		Frost action	0.50	Cutbanks cave	0.10	Gravel content	0.18
Duffield-----	35	Not Rated Not Rated; AASHTO GIN		Very limited Slope	1.00	Very limited Slope	1.00
		Slope	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
RnB: Ryder-----	55	Not Rated Not Rated; AASHTO GIN		Somewhat limited Depth to soft bedrock	0.26	Somewhat limited Depth to bedrock	0.26
		Frost action	0.50	Cutbanks cave	0.10	Gravel content	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
Nollville-----	40	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	 0.50 0.50	Somewhat limited Cutbanks cave	 0.10	Somewhat limited Gravel content	 0.50
RnC: Ryder-----	55	Not Rated Not Rated; AASHTO GIN Slope Frost action	 0.63 0.50	Somewhat limited Slope Depth to soft bedrock Cutbanks cave	 0.63 0.26 0.10	Somewhat limited Slope Depth to bedrock Gravel content	 0.63 0.26 0.18
Nollville-----	40	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	 0.63 0.10	Somewhat limited Slope Gravel content	 0.63 0.50
RnD: Ryder-----	60	Not Rated Not Rated; AASHTO GIN Slope Frost action	 1.00 0.50	Very limited Slope Depth to soft bedrock Cutbanks cave	 1.00 0.26 0.10	Very limited Slope Depth to bedrock Gravel content	 1.00 0.26 0.18
Nollville-----	30	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	 1.00 0.50 0.50	Very limited Slope Cutbanks cave	 1.00 0.10	Very limited Slope Gravel content	 1.00 0.50
RvC: Ryder-----	55	Not Rated Not Rated; AASHTO GIN Slope Frost action	 0.63 0.50	Somewhat limited Slope Depth to soft bedrock Cutbanks cave	 0.63 0.46 0.10	Somewhat limited Slope Depth to bedrock Gravel content	 0.63 0.46 0.41
Nollville-----	40	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	 0.63 0.10	Somewhat limited Slope Gravel content	 0.63 0.50
RyB: Ryder-----	45	Not Rated Not Rated; AASHTO GIN Frost action	 0.50	Somewhat limited Depth to soft bedrock Cutbanks cave	 0.46 0.10	Somewhat limited Depth to bedrock Gravel content	 0.46 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
Rock Outcrop-----	40	Not rated		Not rated		Not rated	
RyC: Ryder-----	45	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.63 0.50	Somewhat limited Slope Depth to soft bedrock Cutbanks cave	0.63 0.46 0.10	Somewhat limited Slope Depth to bedrock Gravel content	0.63 0.46 0.41
Rock Outcrop-----	40	Not rated		Not rated		Not rated	
RyD: Ryder-----	45	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 1.00 0.50	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock Gravel content	1.00 0.46 0.41
Rock Outcrop-----	40	Not rated		Not rated		Not rated	
SdB: Sideling-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.24	Somewhat limited Gravel content	0.59
SdC: Sideling-----	85	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.63 0.50	Very limited Cutbanks cave Slope Depth to saturated zone	1.00 0.63 0.24	Somewhat limited Slope Gravel content	0.63 0.59

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
SdD: Sideling-----	85	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave Depth to saturated zone	1.00 1.00 0.24	Very limited Slope Gravel content	1.00 0.59
SgB: Sideling-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.24	Somewhat limited Content of large stones Gravel content	0.46 0.21
SgC: Sideling-----	85	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Very limited Cutbanks cave Slope Depth to saturated zone	1.00 0.63 0.24	Somewhat limited Slope Content of large stones Gravel content	0.63 0.46 0.21
SgD: Sideling-----	85	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave Depth to saturated zone	1.00 1.00 0.24	Very limited Slope Content of large stones Gravel content	1.00 0.46 0.21
SpA: Swanpond-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	1.00 0.50	Very limited Too clayey Depth to saturated zone Cutbanks cave	1.00 0.95 0.10	Somewhat limited Content of large stones	0.01
SpB: Swanpond-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	1.00 0.50	Very limited Too clayey Depth to saturated zone Cutbanks cave	1.00 0.95 0.10	Somewhat limited Content of large stones	0.01
SsA: Swanpond-----	60	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	1.00 0.50	Very limited Too clayey Depth to saturated zone Cutbanks cave	1.00 0.95 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
Funkstown-----	35	Not Rated Not Rated; AASHTO GIN Flooding	1.00	Very limited Cutbanks cave	1.00	Very limited Flooding	1.00
		Frost action	0.50	Depth to saturated zone Flooding	0.99 0.80		
SuA: Funkstown-----	35	Not Rated Not Rated; AASHTO GIN Flooding	1.00	Very limited Cutbanks cave	1.00	Very limited Flooding	1.00
		Frost action	0.50	Depth to saturated zone Flooding	0.99 0.80		
Swanpond-----	35	Not Rated Not Rated; AASHTO GIN Shrink-swell	1.00	Very limited Too clayey	1.00	Somewhat limited Content of large stones	0.01
		Frost action	0.50	Depth to saturated zone Cutbanks cave	0.95 0.10		
Urban Land-----	20	Not rated		Not rated		Not rated	
TaB: Talladega-----	80	Not Rated Not Rated; AASHTO GIN		Somewhat limited Depth to soft bedrock Cutbanks cave	0.46 0.10	Somewhat limited Gravel content Depth to bedrock Droughty	0.85 0.46 0.01
TaC: Talladega-----	80	Not Rated Not Rated; AASHTO GIN Slope	0.63	Somewhat limited Slope Depth to soft bedrock Cutbanks cave	0.63 0.46 0.10	Somewhat limited Gravel content Slope Depth to bedrock Droughty	0.85 0.63 0.46 0.01
TaD: Talladega-----	80	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.46 0.10	Very limited Slope Gravel content Depth to bedrock Droughty	1.00 0.85 0.46 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
ThB: Thurmont-----	85	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN Frost action	0.50	Depth to saturated zone Cutbanks cave	0.15 0.10	Not Rated; Sieve size	
ThC: Thurmont-----	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	0.63	Slope Depth to saturated zone Cutbanks cave	0.63 0.15 0.10	Not Rated; Sieve size Slope	0.63
ThD: Thurmont-----	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	Slope Depth to saturated zone Cutbanks cave	1.00 0.15 0.10	Not Rated; Sieve size Slope	1.00
TrA: Trego-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave	1.00	Somewhat limited Depth to cemented pan	0.84
		Depth to saturated zone	0.03	Depth to saturated zone Depth to dense layer	1.00 0.50	Droughty Depth to saturated zone Content of large stones	0.05 0.03 0.01
TrB: Trego-----	85	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave	1.00	Somewhat limited Depth to cemented pan	0.84
		Depth to saturated zone	0.03	Depth to saturated zone Depth to dense layer	1.00 0.50	Droughty Depth to saturated zone Content of large stones	0.05 0.03 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
TrC: Trego-----	85	Not Rated Not Rated; AASHTO GIN Slope	0.63	Very limited Cutbanks cave	1.00	Somewhat limited Depth to cemented pan Slope	0.84 0.63
		Frost action Depth to saturated zone	0.50 0.03	Depth to saturated zone Slope Depth to dense layer	1.00 0.63 0.50	Droughty Depth to saturated zone Content of large stones	0.05 0.03 0.01
TyA: Tyler-----	85	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone Shrink-swell	1.00 0.94 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.94
TyB: Tyler-----	85	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone Shrink-swell	1.00 0.94 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.94
Ud: Udorthents-----	100	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.16 0.10 0.03	Not limited	
UrB: Urban Land-----	55	Not rated		Not rated		Not rated	
UrD: Urban Land-----	55	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
W: Water-----	100	Not rated		Not rated		Not rated	
WaA: Walkersville-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	 0.50 0.50	Somewhat limited Cutbanks cave Too clayey	 0.10 0.01	Not limited	
WaB: Walkersville-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	 0.50 0.50	Somewhat limited Cutbanks cave Too clayey	 0.10 0.01	Not limited	
WaC: Walkersville-----	90	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave Too clayey	 0.63 0.10 0.01	Somewhat limited Slope	0.63
WcA: Walkersville-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	 0.50 0.50	Somewhat limited Cutbanks cave Too clayey	 0.10 0.01	Not limited	
WcB: Walkersville-----	85	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	 0.50 0.50	Somewhat limited Cutbanks cave Too clayey	 0.10 0.01	Not limited	
WcC: Walkersville-----	90	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	 0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave Too clayey	 0.63 0.10 0.01	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
WeB: Weikert-----	85	Not Rated Not Rated; AASHTO GIN Depth to soft bedrock Frost action	 1.00 0.50	Not Rated Not Rated; Clay percent Depth to soft bedrock Cutbanks cave	 1.00 0.10	Very limited Depth to bedrock Droughty Gravel content Content of large stones	 1.00 1.00 0.84 0.54
WeC: Weikert-----	85	Not Rated Not Rated; AASHTO GIN Depth to soft bedrock Slope Frost action	 1.00 0.63 0.50	Not Rated Not Rated; Clay percent Depth to soft bedrock Slope Cutbanks cave	 1.00 0.63 0.10	Very limited Depth to bedrock Droughty Gravel content Slope Content of large stones	 1.00 1.00 0.84 0.63 0.54
WeD: Weikert-----	85	Not Rated Not Rated; AASHTO GIN Slope Depth to soft bedrock Frost action	 1.00 1.00 0.50	Not Rated Not Rated; Clay percent Depth to soft bedrock Slope Cutbanks cave	 1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty Gravel content Content of large stones	 1.00 1.00 1.00 0.84 0.54
WeF: Weikert-----	85	Not Rated Not Rated; AASHTO GIN Slope Depth to soft bedrock Frost action	 1.00 1.00 0.50	Not Rated Not Rated; Clay percent Depth to soft bedrock Slope Cutbanks cave	 1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty Gravel content Content of large stones	 1.00 1.00 1.00 0.84 0.54
WkB: Berks-----	40	Not Rated Not Rated; AASHTO GIN	 	Somewhat limited Depth to soft bedrock Cutbanks cave	 0.46 0.10	Somewhat limited Droughty Gravel content Depth to bedrock Content of large stones	 0.93 0.55 0.46 0.08

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
Weikert-----	40	Not Rated Not Rated; AASHTO GIN Depth to soft bedrock Frost action	1.00 0.50	Not Rated Not Rated; Clay percent Depth to soft bedrock Cutbanks cave	1.00 0.10	Very limited Depth to bedrock Droughty Gravel content Content of large stones	1.00 1.00 0.92 0.01
WkC: Weikert-----	50	Not Rated Not Rated; AASHTO GIN Depth to soft bedrock Slope Frost action	1.00 0.63 0.50	Not Rated Not Rated; Clay percent Depth to soft bedrock Slope Cutbanks cave	1.00 0.63 0.10	Very limited Depth to bedrock Droughty Gravel content Slope Content of large stones	1.00 1.00 0.92 0.63 0.01
Berks-----	40	Not Rated Not Rated; AASHTO GIN Slope	0.63	Somewhat limited Slope Depth to soft bedrock Cutbanks cave	0.63 0.46 0.10	Somewhat limited Droughty Slope Gravel content Depth to bedrock Content of large stones	0.95 0.63 0.55 0.46 0.08
WkD: Weikert-----	50	Not Rated Not Rated; AASHTO GIN Slope Depth to soft bedrock Frost action	1.00 1.00 0.50	Not Rated Not Rated; Clay percent Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty Gravel content Content of large stones	1.00 1.00 1.00 0.92 0.01
Berks-----	35	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.46 0.10	Very limited Slope Droughty Gravel content Depth to bedrock Content of large stones	1.00 0.97 0.55 0.46 0.08

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
WrC: Weverton-----	80	Not Rated Not Rated; AASHTO GIN Content of large stones Slope Frost action	1.00 0.63 0.50	Very limited Content of large stones Slope Cutbanks cave	1.00 0.63 0.10	Very limited Content of large stones Droughty Slope	1.00 0.95 0.63
WrD: Weverton-----	85	Not Rated Not Rated; AASHTO GIN Slope Content of large stones Frost action	1.00 1.00 0.50	Very limited Slope Content of large stones Cutbanks cave	1.00 1.00 0.10	Very limited Slope Content of large stones Droughty	1.00 1.00 0.95
WrE: Weverton-----	85	Not Rated Not Rated; AASHTO GIN Slope Content of large stones Frost action	1.00 1.00 0.50	Very limited Slope Content of large stones Cutbanks cave	1.00 1.00 0.10	Very limited Slope Content of large stones Droughty	1.00 1.00 0.95
WuB: Wurno-----	50	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Depth to soft bedrock Cutbanks cave	0.46 0.10	Somewhat limited Droughty Depth to bedrock Gravel content	0.85 0.46 0.01
Nollville-----	40	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	0.50 0.50	Somewhat limited Cutbanks cave	0.10	Somewhat limited Gravel content	0.50
WuC: Wurno-----	60	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.63 0.50	Somewhat limited Slope Depth to soft bedrock Cutbanks cave	0.63 0.46 0.10	Somewhat limited Droughty Slope Depth to bedrock Gravel content	0.85 0.63 0.46 0.01
Nollville-----	40	Not Rated Not Rated; AASHTO GIN Slope Shrink-swell Frost action	0.63 0.50 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope Gravel content	0.63 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
WuD: Wurno-----	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 soft bedrock	0.46	Droughty	0.85
				Cutbanks cave	0.10	Depth to bedrock Gravel content	0.46 0.01
Nollville-----	40	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Gravel content	0.50
		Frost action	0.50				
WuE: Wurno-----	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 soft bedrock	0.46	Droughty	0.94
				Cutbanks cave	0.10	Depth to bedrock Gravel content	0.46 0.01
Nollville-----	35	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Gravel content	0.50
		Frost action	0.50				

