

(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
AbB: Albrights-----	95	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone	0.50 0.48	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone Content of large stones	0.48 0.01
AbC2: Albrights-----	95	Not Rated Not Rated; AASHTO GIN Slope Frost action Depth to saturated zone	0.63 0.50 0.48	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 0.48 0.01
AgD: Albrights-----	95	Not Rated Not Rated; AASHTO GIN Slope Frost action Depth to saturated zone	0.96 0.50 0.48	Very limited Depth to saturated zone Slope Cutbanks cave	1.00 0.96 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size Slope Depth to saturated zone Droughty	0.96 0.48 0.01
AhA: Allegheny-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
AhB2: Allegheny-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
AhC2: Allegheny-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63

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

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AlA: Allegheny-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
AlB2: Allegheny-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
AlC2: Allegheny-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
AlD: Allegheny-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
AnB: Allegheny-----	50	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Urban Land-----	30	Not rated		Not rated		Not rated	
AnC: Allegheny-----	50	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.96 0.50	Somewhat limited Slope Cutbanks cave	0.96 0.10	Somewhat limited Slope	0.96
Urban Land-----	30	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
Au: Alluvial Land-----	100	Not rated		Not rated		Not rated	
Av: Alluvial Land-----	50	Not rated		Not rated		Not rated	
Urban Land-----	30	Not rated		Not rated		Not rated	
Aw: Atkins-----	100	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 Flooding Cutbanks cave	1.00 0.80 0.10	Very limited Flooding Depth to saturated zone	1.00 1.00
BeE: Belmont-----	100	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Slope Shrink-swell Frost action	1.00 1.00 0.50 0.50	Not Rated Not Rated; Fragments > 75mm Slope Depth to hard bedrock Cutbanks cave	1.00 0.42 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size Slope	1.00
BkC3: Brooke-----	100	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Shrink-swell Slope Frost action	1.00 0.63 0.50	Not Rated Not Rated; Fragments > 75mm Depth to hard bedrock Slope Too clayey Cutbanks cave	1.00 0.63 0.50 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size Slope Depth to bedrock	0.63 0.42

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
BuB2: Buchanan-----	95	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Very limited Cutbanks cave	1.00	Somewhat limited Gravel content	0.54
		Depth to saturated zone	0.48	Depth to saturated zone	1.00	Depth to saturated zone Content of large stones	0.48 0.01
BuC2: Buchanan-----	95	Not Rated Not Rated; AASHTO GIN Slope	0.63	Very limited Cutbanks cave	1.00	Somewhat limited Slope	0.63
		Frost action	0.50	Depth to saturated zone	1.00	Gravel content	0.54
		Depth to saturated zone	0.48	Slope	0.63	Depth to saturated zone Content of large stones	0.48 0.01
BvC: Buchanan-----	95	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	1.00	Not Rated; Sieve size	
		Depth to saturated zone	0.48	Depth to saturated zone	1.00	Depth to saturated zone	0.48
BvD: Buchanan-----	95	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	1.00	Slope	1.00
		Depth to saturated zone	0.48	Depth to saturated zone	1.00	Depth to saturated zone	0.48
CaB: Calvin-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Depth to soft bedrock Cutbanks cave	0.42 0.10	Somewhat limited Depth to bedrock Droughty Content of large stones	0.42 0.07 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
CaC: Calvin-----	100	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	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10	Droughty Content of large stones	0.07 0.03
ClB2: Calvin-----	100	Not Rated Not Rated; AASHTO GIN Slope	1.00	Somewhat limited Depth to soft bedrock	0.42	Somewhat limited Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10	Droughty Content of large stones	0.07 0.03
ClC2: Calvin-----	100	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	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10	Droughty Content of large stones	0.07 0.03
ClD2: Calvin-----	100	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	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10	Droughty Content of large stones	0.07 0.03
ClE: Calvin-----	100	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	0.42	Depth to bedrock	0.42
				Cutbanks cave	0.10	Droughty Content of large stones	0.07 0.03
CnB2: Calvin-----	50	Not Rated Not Rated; AASHTO GIN Slope	1.00	Somewhat limited Depth to soft bedrock	0.42	Somewhat limited Depth to bedrock	0.42
		Frost action	0.50	Cutbanks cave	0.10	Droughty Content of large stones	0.07 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
Weikert-----	30	Not Rated Not Rated; AASHTO GIN Depth to soft bedrock Frost action	1.00 0.50	Not Rated Not Rated; Clay percent Unified 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
CnC2: Calvin-----	50	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.42 0.10	Very limited Slope Depth to bedrock Droughty Content of large stones	1.00 0.42 0.07 0.03
Weikert-----	30	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 Unified Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 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
CnD2: Calvin-----	50	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.42 0.10	Very limited Slope Depth to bedrock Droughty Content of large stones	1.00 0.42 0.07 0.03
Weikert-----	30	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 Unified Depth to soft bedrock Slope Cutbanks cave	1.00 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

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
CnE: Calvin-----	50	Not Rated		Very limited		Very limited	
		Not Rated; AASHTO		Slope	1.00	Slope	1.00
		GIN		Depth to soft	0.42	Depth to bedrock	0.42
		Slope	1.00	bedrock			
Weikert-----	30	Frost action	0.50	Cutbanks cave	0.10	Droughty	0.07
						Content of large	0.03
						stones	
CoB2: Cavode-----	95	Not Rated		Not Rated		Very limited	
		Not Rated; AASHTO		Not Rated; Clay		Depth to bedrock	1.00
		GIN		percent		Slope	1.00
		Frost action	1.00	Not Rated;		Droughty	1.00
CoC2: Cavode-----	95	Depth to soft	1.00	Unified		Gravel content	0.92
		bedrock		Depth to soft	1.00	Content of large	0.01
		Frost action	0.50	bedrock		stones	
				Cutbanks cave	0.10		
CoB2: Cavode-----	95	Shrink-swell	0.50				
CoC2: Cavode-----	95	Not Rated		Not Rated		Not Rated	
		Not Rated; AASHTO		Not Rated;		Not Rated;	
		GIN		Fragments > 75mm		Surface	
		Frost action	1.00	Depth to	1.00	Fragments > 75mm	
CoC2: Cavode-----	95	Slope	1.00	saturated zone	0.10	Not Rated; Sieve	
				Cutbanks cave	0.10	size	
						Depth to	1.00
						saturated zone	1.00
CoC2: Cavode-----	95	Depth to	1.00				
		saturated zone					

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
CrD: Cavode-----	95	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	1.00	Depth to saturated zone Slope	1.00 0.84	Not Rated; Sieve size Depth to saturated zone	1.00
		Depth to saturated zone Slope	1.00 0.84	Cutbanks cave	0.10	Depth to saturated zone Slope	0.84
CsA: Chavies-----	100	Not Rated Not Rated; AASHTO GIN Flooding	0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
CsB: Chavies-----	100	Not Rated Not Rated; AASHTO GIN Flooding	0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
CtB2: Cookport-----	100	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	1.00 0.10	Not Rated; Sieve size Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Depth to hard bedrock	0.04		
CtC2: Cookport-----	100	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	Depth to saturated zone Slope Cutbanks cave	1.00 1.00 0.10	Not Rated; Sieve size Slope Depth to saturated zone	1.00 0.19
		Depth to saturated zone	0.19	Depth to hard bedrock	0.04		

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
CuB: Cookport-----	100	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	1.00 0.10	Not Rated; Sieve size Depth to saturated zone	0.19
		Depth to saturated zone	0.19	Depth to hard bedrock	0.04		
CuD: Cookport-----	100	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	Depth to saturated zone Slope Cutbanks cave	1.00 1.00 0.10	Not Rated; Sieve size Slope Depth to saturated zone	1.00 0.19
		Depth to saturated zone	0.19	Depth to hard bedrock	0.04		
Cv: Cut And Fill Land---	100	Not rated		Not rated		Not rated	
DeB2: DeKalb-----	100	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 hard bedrock	0.42	Depth to hard bedrock Cutbanks cave	1.00 0.10	Not Rated; Sieve size Droughty Depth to bedrock	0.66 0.42
DeC2: DeKalb-----	100	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN Slope Depth to hard bedrock	1.00 0.42	Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 0.10	Not Rated; Sieve size Slope Droughty Depth to bedrock	1.00 0.66 0.42

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-----	100	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 hard bedrock	1.00	Not Rated; Sieve size	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.42	Cutbanks cave	0.10	Droughty	0.66
						Depth to bedrock	0.42
DkB: Dekalb-----	100	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 hard bedrock	1.00	Not Rated; Sieve size	
		Depth to hard bedrock	0.42	Cutbanks cave	0.10	Droughty	0.66
						Depth to bedrock	0.42
DkC: Dekalb-----	100	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 hard bedrock	1.00	Not Rated; Sieve size	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to hard bedrock	0.42	Cutbanks cave	0.10	Droughty	0.66
						Depth to bedrock	0.42
D1E: Dekalb-----	50	Not Rated Not Rated; AASHTO GIN		Very limited Depth to hard bedrock	1.00	Very limited Slope	1.00
		Slope	1.00	Slope	1.00	Content of large stones	0.84
		Depth to hard bedrock	0.42	Cutbanks cave	0.10	Droughty	0.66
						Depth to bedrock	0.42
						Gravel content	0.05
Lehew-----	50	Not Rated Not Rated; AASHTO GIN		Very limited Depth to hard bedrock	1.00	Very limited Slope	1.00
		Slope	1.00	Slope	1.00	Droughty	0.83
		Depth to hard bedrock	0.42	Cutbanks cave	0.10	Depth to bedrock	0.42
		Content of large stones	0.01	Content of large stones	0.01	Gravel content	0.20
						Content of large stones	0.16

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

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
D1F: Dekalb-----	50	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Depth to hard bedrock Slope	1.00 1.00	Very limited Slope	1.00
		Depth to hard bedrock	0.42	Cutbanks cave	0.10	Content of large stones Droughty	0.84 0.66
						Depth to bedrock Gravel content	0.42 0.05
Lehew-----	50	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Depth to hard bedrock Slope	1.00 1.00	Very limited Slope	1.00
		Depth to hard bedrock	0.42	Cutbanks cave	0.10	Droughty Depth to bedrock	0.83 0.42
		Content of large stones	0.01	Content of large stones	0.01	Gravel content Content of large stones	0.20 0.16
EdB2: Edom-----	100	Not Rated Not Rated; AASHTO GIN Shrink-swell Frost action	0.50 0.50	Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Not limited	
EdC2: Edom-----	100	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	0.63
EdD2: Edom-----	50	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	1.00
Edom-----	50	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	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
EdE2: Edom-----	50	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	 1.00
Edom-----	50	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	 1.00
EeE3: Edom-----	50	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	 1.00
Edom-----	50	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	 1.00
E1A: Elliber-----	100	Not Rated Not Rated; AASHTO GIN Frost action	 0.50	Somewhat limited Cutbanks cave	 0.10	Very limited Gravel content Content of large stones	 1.00 0.03
E1B2: Elliber-----	100	Not Rated Not Rated; AASHTO GIN Frost action Slope	 0.50 0.04	Somewhat limited Cutbanks cave Slope	 0.10 0.04	Very limited Gravel content Slope Content of large stones	 1.00 0.04 0.03
E1C2: Elliber-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	 1.00 0.50	Very limited Slope Cutbanks cave	 1.00 0.10	Very limited Slope Gravel content Content of large stones	 1.00 0.03

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
E1D: Elliber-----	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 Gravel content Content of large stones	1.00 1.00 0.03
Elliber-----	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 Gravel content Content of large stones	1.00 1.00 0.03
EmC: Elliber-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.84 0.50	Somewhat limited Slope Cutbanks cave	0.84 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size Slope Droughty	0.84 0.01
EmD: Elliber-----	50	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size Slope Droughty	1.00 0.01
Elliber-----	50	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size Slope Droughty	1.00 0.01
EmF: Elliber-----	50	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size Slope Droughty	1.00 0.01

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

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Elliber-----	50	Not Rated Not Rated; AASHTO GIN		Very limited Slope	1.00	Not Rated Not Rated; Surface Fragments > 75mm	
		Slope	1.00	Cutbanks cave	0.10	Not Rated; Sieve size	1.00
		Frost action	0.50			Slope Droughty	0.01
ErA: Ernest-----	100	Not Rated Not Rated; AASHTO GIN		Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.03
		Shrink-swell	0.50	Cutbanks cave	0.10	Content of large stones	0.01
		Frost action Depth to saturated zone	0.50 0.03				
ErB2: Ernest-----	100	Not Rated Not Rated; AASHTO GIN		Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.03
		Shrink-swell	0.50	Cutbanks cave	0.10	Content of large stones	0.01
		Frost action Depth to saturated zone	0.50 0.03				
ErC2: Ernest-----	100	Not Rated Not Rated; AASHTO GIN		Very limited Depth to saturated zone	1.00	Somewhat limited Slope	0.63
		Slope	0.63	Slope	0.63	Depth to saturated zone	0.03
		Shrink-swell	0.50	Cutbanks cave	0.10	Content of large stones	0.01
		Frost action Depth to saturated zone	0.50 0.03				
ErD2: Ernest-----	100	Not Rated Not Rated; AASHTO GIN		Very limited Slope	1.00	Very limited Slope	1.00
		Slope	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.03
		Shrink-swell	0.50	Cutbanks cave	0.10	Content of large stones	0.01
		Frost action Depth to saturated zone	0.50 0.03				

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

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
EuB: Ernest-----	30	Not Rated Not Rated; AASHTO GIN Shrink-swell	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 0.01
		Frost action Depth to saturated zone	0.50 0.03				
Landisburg-----	30	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	1.00 1.00	Not Rated; Clay percent Not Rated; bulk density Depth to saturated zone Depth to hard bedrock	1.00 0.13	Not Rated; Sieve size Depth to saturated zone	1.00
Urban Land-----	20	Not rated		Not rated		Not rated	
EuD: Ernest-----	30	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Depth to saturated zone Slope	1.00 1.00	Very limited Slope Depth to saturated zone Content of large stones	1.00 0.03 0.01
		Shrink-swell Frost action Depth to saturated zone	0.50 0.50 0.03	Cutbanks cave	0.10		
Landisburg-----	30	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Depth to saturated zone Slope	1.00 1.00	Very limited Slope Depth to saturated zone	1.00 0.03
		Shrink-swell Frost action Depth to saturated zone	0.50 0.50 0.03	Cutbanks cave	0.10		
Urban Land-----	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
G1B2: Gilpin-----	100	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 soft bedrock Cutbanks cave	0.42 0.10	Not Rated; Sieve size Depth to bedrock	0.42
G1C2: Gilpin-----	100	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 1.00 0.50	Slope Depth to soft bedrock Cutbanks cave	1.00 0.42 0.10	Not Rated; Sieve size Slope Depth to bedrock	1.00 1.00 0.42
G1D2: Gilpin-----	50	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 1.00 0.50	Slope Depth to soft bedrock Cutbanks cave	1.00 0.42 0.10	Not Rated; Sieve size Slope Depth to bedrock	1.00 1.00 0.42
Gilpin-----	50	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 1.00 0.50	Slope Depth to soft bedrock Cutbanks cave	1.00 0.42 0.10	Not Rated; Sieve size Slope Depth to bedrock	1.00 1.00 0.42
GnB2: Gilpin-----	100	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 soft bedrock Cutbanks cave	0.42 0.10	Not Rated; Sieve size Depth to bedrock Droughty	0.42 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
GnC2: Gilpin-----	100	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 Slope	1.00
		Frost action	0.50	Depth to soft bedrock Cutbanks cave	0.42 0.10	Depth to bedrock Droughty	0.42 0.01
GnD2: Gilpin-----	50	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 Slope	1.00
		Frost action	0.50	Depth to soft bedrock Cutbanks cave	0.42 0.10	Depth to bedrock Droughty	0.42 0.01
Gilpin-----	50	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 Slope	1.00
		Frost action	0.50	Depth to soft bedrock Cutbanks cave	0.42 0.10	Depth to bedrock Droughty	0.42 0.01
GnE: Gilpin-----	50	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 Slope	1.00
		Frost action	0.50	Depth to soft bedrock Cutbanks cave	0.42 0.10	Depth to bedrock Droughty	0.42 0.01
Gilpin-----	50	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 Slope	1.00
		Frost action	0.50	Depth to soft bedrock Cutbanks cave	0.42 0.10	Depth to bedrock Droughty	0.42 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
GsB: Gilpin-----	100	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 soft bedrock Cutbanks cave	0.42 0.10	Not Rated; Sieve size Depth to bedrock Droughty	0.42 0.03
GsD: Gilpin-----	50	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 1.00 0.50	Slope Depth to soft bedrock Cutbanks cave	1.00 0.42 0.10	Not Rated; Sieve size Slope Depth to bedrock Droughty	1.00 1.00 0.42 0.03
Gilpin-----	50	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 1.00 0.50	Slope Depth to soft bedrock Cutbanks cave	1.00 0.42 0.10	Not Rated; Sieve size Slope Depth to bedrock Droughty	1.00 1.00 0.42 0.03
GuB: Gilpin-----	50	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 soft bedrock Cutbanks cave	0.42 0.10	Not Rated; Sieve size Depth to bedrock	0.42
Urban Land-----	30	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
GuD: Gilpin-----	50	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 Slope	1.00
		Frost action	0.50	Depth to soft bedrock Cutbanks cave	0.42 0.10	Depth to bedrock	0.42
Urban Land-----	50	Not rated		Not rated		Not rated	
GwF: Gilpin-----	50	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 Slope	1.00
		Frost action	0.50	Depth to soft bedrock Cutbanks cave	0.42 0.10	Depth to bedrock Droughty	0.42 0.03
Weikert-----	50	Not Rated Not Rated; AASHTO GIN		Not Rated Not Rated; Clay percent		Not Rated Not Rated; Surface Fragments > 75mm	
		Slope	1.00	Not Rated; Unified		Not Rated; Sieve size	
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Depth to bedrock	1.00
		Frost action	0.50	Slope Cutbanks cave	1.00 0.10	Slope Droughty	1.00 1.00
Gx: Gravel Pits-----	100	Not rated		Not rated		Not rated	
HeC2: Hagerstown-----	100	Not Rated Not Rated; AASHTO GIN		Somewhat limited Slope	0.96	Not Rated Not Rated; Surface Fragments > 75mm	
		Slope	0.96	Cutbanks cave	0.10	Not Rated; Sieve size	
		Shrink-swell Frost action	0.50 0.50	Too clayey	0.01	Slope	0.96

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
HeE2: Hagerstown-----	100	Not Rated Not Rated; AASHTO GIN		Very limited Slope	1.00	Not Rated Not Rated; Surface Fragments > 75mm	
		Slope	1.00	Cutbanks cave	0.10	Not Rated; Sieve size	
		Shrink-swell	0.50	Too clayey	0.01	Slope	1.00
		Frost action	0.50				
Hn: Huntington-----	100	Not Rated Not Rated; AASHTO GIN		Very limited Cutbanks cave	1.00	Somewhat limited Flooding	0.60
		Frost action	1.00	Flooding	0.60		
		Flooding	1.00				
HxA: Huntington-----	100	Not Rated Not Rated; AASHTO GIN		Very limited Cutbanks cave	1.00	Somewhat limited Flooding	0.60
		Frost action	1.00	Flooding	0.60		
		Flooding	1.00				
HxB: Huntington-----	100	Not Rated Not Rated; AASHTO GIN		Very limited Cutbanks cave	1.00	Somewhat limited Flooding	0.60
		Frost action	1.00	Flooding	0.60		
		Flooding	1.00				
HxC: Huntington-----	100	Not Rated Not Rated; AASHTO GIN		Very limited Cutbanks cave	1.00	Somewhat limited Slope	0.63
		Frost action	1.00	Slope	0.63	Flooding	0.60
		Flooding	1.00	Flooding	0.60		
		Slope	0.63				
LaB2: Laidig-----	100	Not Rated Not Rated; AASHTO GIN		Somewhat limited Depth to saturated zone	0.90	Somewhat limited Gravel content	0.25
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.01
LaC2: Laidig-----	100	Not Rated Not Rated; AASHTO GIN		Somewhat limited Depth to saturated zone	0.90	Somewhat limited Slope	0.63
		Slope	0.63	Slope	0.63	Gravel content	0.25
		Frost action	0.50	Cutbanks cave	0.10	Droughty	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
LaD2: Laidig-----	100	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 saturated zone	0.90	Gravel content	0.25
				Cutbanks cave	0.10	Droughty	0.01
LbC: Laidig-----	100	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	0.90	Not Rated; Sieve size	
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.09
		Slope	0.04	Slope	0.04	Slope	0.04
LbD: Laidig-----	100	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	0.90	Slope	1.00
		Frost action	0.50	Cutbanks cave	0.10	Droughty	0.09
LdA: Landisburg-----	100	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Not Rated; Clay percent		Not Rated; Sieve size	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Depth to hard bedrock	0.13		
				Cutbanks cave	0.10		
LdB2: Landisburg-----	100	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Not Rated; Clay percent		Not Rated; Sieve size	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Depth to hard bedrock	0.13		
				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
LdC2: Landisburg-----	100	Not Rated Not Rated; AASHTO GIN Slope	0.63	Very limited Depth to saturated zone Slope	1.00 0.63	Somewhat limited Slope	0.63
		Shrink-swell	0.50	Cutbanks cave	0.10	Depth to saturated zone	0.03
		Frost action Depth to saturated zone	0.50 0.03			Content of large stones	0.03
LdD2: Landisburg-----	100	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Shrink-swell	0.50	Depth to saturated zone	1.00	Depth to saturated zone	0.03
		Frost action Depth to saturated zone	0.50 0.03	Cutbanks cave	0.10	Content of large stones	0.03
LgD: Leetonia-----	100	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN Slope	0.84	Cutbanks cave	1.00	Not Rated; Sieve size	
				Slope Depth to hard bedrock	0.84 0.42	Droughty Slope	1.00 0.84
LhB2: Lehew-----	100	Not Rated Not Rated; AASHTO GIN Depth to hard bedrock	0.42	Very limited Depth to hard bedrock	1.00	Somewhat limited Droughty	0.83
				Cutbanks cave	0.10	Content of large stones	0.54
						Depth to bedrock	0.42
						Gravel content	0.31
LhC2: Lehew-----	100	Not Rated Not Rated; AASHTO GIN Slope Depth to hard bedrock	1.00 0.42	Very limited Depth to hard bedrock	1.00	Very limited Slope	1.00
				Slope	1.00	Droughty	0.83
				Cutbanks cave	0.10	Content of large stones	0.54
						Depth to bedrock	0.42
						Gravel content	0.31

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
LhE: Lehew-----	50	Not Rated Not Rated; AASHTO GIN Slope Depth to hard bedrock	1.00 0.42	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Droughty Content of large stones Depth to bedrock Gravel content	1.00 0.83 0.54 0.42 0.31
Lehew-----	50	Not Rated Not Rated; AASHTO GIN Slope Depth to hard bedrock	1.00 0.42	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Droughty Content of large stones Depth to bedrock Gravel content	1.00 0.83 0.54 0.42 0.31
LlB: Lehew-----	100	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Depth to hard bedrock	0.42	Not Rated Not Rated; Fragments > 75mm Depth to hard bedrock Cutbanks cave	1.00 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size Droughty Depth to bedrock	0.83 0.42
LlD: Lehew-----	50	Not Rated Not Rated; AASHTO GIN Slope Depth to hard bedrock Content of large stones	1.00 0.42 0.01	Very limited Depth to hard bedrock Slope Cutbanks cave Content of large stones	1.00 1.00 0.10 0.01	Very limited Slope Droughty Depth to bedrock Gravel content Content of large stones	1.00 0.83 0.42 0.20 0.16
Lehew-----	50	Not Rated Not Rated; AASHTO GIN Slope Depth to hard bedrock Content of large stones	1.00 0.42 0.01	Very limited Depth to hard bedrock Slope Cutbanks cave Content of large stones	1.00 1.00 0.10 0.01	Very limited Slope Droughty Depth to bedrock Gravel content Content of large stones	1.00 0.83 0.42 0.20 0.16

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

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lm: Lickdale-----	100	Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Fragments > 75mm		Not Rated Not Rated; Surface Fragments > 75mm	
		Not Rated; AASHTO GIN		Not Rated; Clay percent		Not Rated; Sieve size	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
Ln: Lindside-----	95	Not Rated Not Rated; AASHTO GIN		Very limited Depth to saturated zone	1.00	Somewhat limited Flooding	0.60
		Frost action	1.00	Flooding	0.60	Depth to saturated zone	0.03
		Flooding	1.00	Cutbanks cave	0.10		
		Depth to saturated zone	0.03				
LsB2: Litz-----	100	Not Rated Not Rated; AASHTO GIN		Somewhat limited Depth to soft bedrock	0.42	Somewhat limited Gravel content	0.61
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.54
						Depth to bedrock	0.42
						Droughty	0.19
LsC2: Litz-----	100	Not Rated Not Rated; AASHTO GIN		Very limited Slope	1.00	Very limited Slope	1.00
		Slope	1.00	Depth to soft bedrock	0.42	Gravel content	0.61
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.54
						Depth to bedrock	0.42
						Droughty	0.19
LsD2: Litz-----	50	Not Rated Not Rated; AASHTO GIN		Very limited Slope	1.00	Very limited Slope	1.00
		Slope	1.00	Depth to soft bedrock	0.42	Gravel content	0.61
		Frost action	0.50	Cutbanks cave	0.10	Content of large stones	0.54
						Depth to bedrock	0.42
						Droughty	0.19

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
Litz-----	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	0.42	Gravel content	0.61
				Cutbanks cave	0.10	Content of large stones	0.54
						Depth to bedrock	0.42
						Droughty	0.19
LsE: Litz-----	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	0.42	Gravel content	0.61
				Cutbanks cave	0.10	Content of large stones	0.54
						Depth to bedrock	0.42
						Droughty	0.19
Litz-----	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	0.42	Gravel content	0.61
				Cutbanks cave	0.10	Content of large stones	0.54
						Depth to bedrock	0.42
						Droughty	0.19
LyB: Loysville-----	100	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; Clay percent Depth to saturated zone	1.00	Not Rated; Sieve size Depth to saturated zone	1.00
		Frost action	1.00	Depth to hard bedrock	0.13		
				Cutbanks cave	0.10		
McB2: Meckesville-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Depth to saturated zone	0.90	Somewhat limited Content of large stones	0.01
				Cutbanks cave	0.10		
McC2: Meckesville-----	100	Not Rated Not Rated; AASHTO GIN Slope	0.63	Somewhat limited Depth to saturated zone	0.90	Somewhat limited Slope	0.63
		Frost action	0.50	Slope	0.63	Content of large stones	0.01
				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
McD2: Meckesville-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 1.00 0.50	Very limited Slope Depth to saturated zone Cutbanks cave	1.00 0.90 0.10	Very limited Slope Content of large stones	1.00 0.01
MdC: Meckesville-----	100	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	0.90 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size	
MdD: Meckesville-----	100	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Slope Frost action	1.00 1.00 0.50	Not Rated Not Rated; Fragments > 75mm Slope Depth to saturated zone Cutbanks cave	1.00 0.90 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size Slope	1.00
Me: Melvin-----	100	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action Flooding	1.00 1.00 1.00	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.80 0.10	Very limited Flooding Depth to saturated zone	1.00 1.00
MhA: Monongahela-----	95	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone	0.50 0.03	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.03
MhB2: Monongahela-----	95	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone	0.50 0.03	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	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
MhC2: Monongahela-----	95	Not Rated Not Rated; AASHTO GIN Slope	0.63	Very limited Depth to saturated zone Slope	1.00 0.63	Somewhat limited Slope Depth to saturated zone	0.63 0.03
		Frost action Depth to saturated zone	0.50 0.03	Cutbanks cave	0.10		
NoA: Nolo-----	100	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Very limited Depth to saturated zone	1.00
NoB: Nolo-----	100	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Very limited Depth to saturated zone	1.00
NoC2: Nolo-----	100	Not Rated Not Rated; AASHTO GIN Depth to saturated zone Frost action Slope	1.00 1.00 0.84	Very limited Depth to saturated zone Slope Cutbanks cave	1.00 0.84 0.10	Very limited Depth to saturated zone Slope	1.00 0.84
NsC: Nolo-----	100	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Depth to saturated zone Frost action	1.00 1.00	Not Rated Not Rated; Fragments > 75mm Depth to saturated zone Cutbanks cave	1.00 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size Depth to saturated zone	1.00
OpB2: Opequon-----	100	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 Gravel content	0.20 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
OpC2: Opequon-----	100	Not Rated		Somewhat limited		Somewhat limited	
		Not Rated; AASHTO		Slope	0.63	Slope	0.63
		GIN		Too clayey	0.28	Content of large	0.20
		Slope	0.63	Cutbanks cave	0.10	stones	
		Shrink-swell	0.50			Gravel content	0.01
		Frost action	0.50				
OpD2: Opequon-----	50	Not Rated		Very limited		Very limited	
		Not Rated; AASHTO		Slope	1.00	Slope	1.00
		GIN		Too clayey	0.28	Content of large	0.20
		Slope	1.00	Cutbanks cave	0.10	stones	
		Shrink-swell	0.50			Gravel content	0.01
		Frost action	0.50				
Opequon-----	50	Not Rated		Very limited		Very limited	
		Not Rated; AASHTO		Slope	1.00	Slope	1.00
		GIN		Too clayey	0.28	Content of large	0.20
		Slope	1.00	Cutbanks cave	0.10	stones	
		Shrink-swell	0.50			Gravel content	0.01
		Frost action	0.50				
OpE2: Opequon-----	50	Not Rated		Very limited		Very limited	
		Not Rated; AASHTO		Slope	1.00	Slope	1.00
		GIN		Too clayey	0.28	Content of large	0.20
		Slope	1.00	Cutbanks cave	0.10	stones	
		Shrink-swell	0.50			Gravel content	0.01
		Frost action	0.50				
Opequon-----	50	Not Rated		Very limited		Very limited	
		Not Rated; AASHTO		Slope	1.00	Slope	1.00
		GIN		Too clayey	0.28	Content of large	0.20
		Slope	1.00	Cutbanks cave	0.10	stones	
		Shrink-swell	0.50			Gravel content	0.01
		Frost action	0.50				
OuD: Opequon-----	100	Not Rated		Somewhat limited		Somewhat limited	
		Not Rated; AASHTO		Slope	0.96	Slope	0.96
		GIN		Too clayey	0.28	Content of large	0.20
		Slope	0.96	Cutbanks cave	0.10	stones	
		Shrink-swell	0.50			Gravel content	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
OuE: Opequon-----	50	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	Too clayey Cutbanks cave	0.28 0.10	Content of large stones Gravel content	0.20 0.01
Opequon-----	50	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	Too clayey Cutbanks cave	0.28 0.10	Content of large stones Gravel content	0.20 0.01
Ph: Philo-----	95	Not Rated Not Rated; AASHTO GIN Flooding	1.00	Very limited Cutbanks cave	1.00	Somewhat limited Flooding	0.60
		Frost action Depth to saturated zone	0.50 0.03	Depth to saturated zone Depth to hard bedrock Flooding	1.00 1.00 0.60	Depth to saturated zone	0.03
Pn: Pope-----	100	Not Rated Not Rated; AASHTO GIN Flooding	1.00	Somewhat limited Flooding	0.60	Somewhat limited Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10		
Ps: Pope-----	100	Not Rated Not Rated; AASHTO GIN Flooding	1.00	Somewhat limited Flooding	0.60	Somewhat limited Flooding	0.60
		Frost action	0.50	Cutbanks cave	0.10		
RbB: Robertsville-----	100	Not Rated Not Rated; AASHTO GIN Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Cutbanks cave	0.10		
Rc: Rock Outcrop-----	100	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
ShB2: Shelocta-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Depth to hard bedrock Cutbanks cave	0.61 0.10	Not limited	
ShC2: Shelocta-----	100	Not Rated Not Rated; AASHTO GIN Slope Frost action	0.63 0.63 0.50	Somewhat limited Slope Depth to hard bedrock Cutbanks cave	0.63 0.61 0.10	Somewhat limited Slope	0.63
ShD2: Shelocta-----	50	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 1.00 0.50	Very limited Slope Depth to hard bedrock Cutbanks cave	1.00 0.61 0.10	Very limited Slope	1.00
Shelocta-----	50	Not Rated Not Rated; AASHTO GIN Slope Frost action	1.00 1.00 0.50	Very limited Slope Depth to hard bedrock Cutbanks cave	1.00 0.61 0.10	Very limited Slope	1.00
SrC: Stony Land-----	50	Not rated		Not rated		Not rated	
Stony Land-----	50	Not rated		Not rated		Not rated	
SrF: Stony Land-----	100	Not rated		Not rated		Not rated	
St: Strip Mines And Dump	95	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
TyA: Tyler-----	95	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone	1.00 0.94	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.94
TyB: Tyler-----	95	Not Rated Not Rated; AASHTO GIN Frost action Depth to saturated zone	1.00 0.94	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Somewhat limited Depth to saturated zone	0.94
W: Water-----	100	Not Rated Not Rated; LEP Not Rated; Fragments > 75mm Not Rated; Slope Not Rated; AASHTO GIN		Not Rated Not Rated; Fragments > 75mm Not Rated; Slope Not Rated; Clay percent Not Rated; Unified Not Rated; bulk density		Not Rated Not Rated; Surface clay percent Not Rated; Slope Not Rated; Surface Fragments > 75mm Not Rated; Sieve size Not Rated; pH	
WeB2: Weikert-----	100	Not Rated Not Rated; AASHTO GIN Depth to soft bedrock Frost action	1.00 0.50	Not Rated Not Rated; Clay percent Not Rated; Unified 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
WeC2: Weikert-----	100	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 Not Rated; Unified Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 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
WeE: Weikert-----	50	Not Rated Not Rated; AASHTO GIN Slope	1.00	Not Rated Not Rated; Clay percent Not Rated; Unified	1.00	Very limited Depth to bedrock Slope	1.00 1.00
		Depth to soft bedrock Frost action	1.00 0.50	Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Droughty Gravel content Content of large stones	1.00 0.92 0.01
Weikert-----	50	Not Rated Not Rated; AASHTO GIN Slope	1.00	Not Rated Not Rated; Clay percent Not Rated; Unified	1.00	Very limited Depth to bedrock Slope	1.00 1.00
		Depth to soft bedrock Frost action	1.00 0.50	Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Droughty Gravel content Content of large stones	1.00 0.92 0.01
WkD: Weikert-----	50	Not Rated Not Rated; AASHTO GIN	1.00	Not Rated Not Rated; Clay percent	1.00	Not Rated Not Rated; Surface Fragments > 75mm	1.00
		Depth to soft bedrock Slope	1.00 1.00	Not Rated; Unified Depth to soft bedrock	1.00	Not Rated; Sieve size Depth to bedrock	1.00
		Frost action	0.50	Slope Cutbanks cave	1.00 0.10	Droughty Slope	1.00 1.00
Weikert-----	50	Not Rated Not Rated; AASHTO GIN	1.00	Not Rated Not Rated; Clay percent	1.00	Not Rated Not Rated; Surface Fragments > 75mm	1.00
		Depth to soft bedrock Slope	1.00 1.00	Not Rated; Unified Depth to soft bedrock	1.00	Not Rated; Sieve size Depth to bedrock	1.00
		Frost action	0.50	Slope Cutbanks cave	1.00 0.10	Droughty Slope	1.00 1.00
W1B: Weikert-----	50	Not Rated Not Rated; AASHTO GIN	1.00	Not Rated Not Rated; Clay percent	1.00	Very limited Depth to bedrock	1.00
		Depth to soft bedrock Frost action	1.00 0.50	Not Rated; Unified Depth to soft bedrock Cutbanks cave	1.00 1.00 0.10	Droughty Gravel content Content of large stones	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-----	30	Not rated		Not rated		Not rated	
W1C: Weikert-----	50	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 Not Rated; Unified Depth to soft bedrock Slope Cutbanks cave	 1.00 1.00 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
Urban Land-----	30	Not rated		Not rated		Not rated	
W1E: 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 Not Rated; Unified Depth to soft bedrock Slope Cutbanks cave	 1.00 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
Urban Land-----	30	Not rated		Not rated		Not rated	
WnF: Gilpin-----	50	Not Rated Not Rated; Fragments > 75mm Not Rated; AASHTO GIN Slope Frost action	 1.00 1.00 0.50	Not Rated Not Rated; Fragments > 75mm Slope Depth to soft bedrock Cutbanks cave	 1.00 0.42 0.10	Not Rated Not Rated; Surface Fragments > 75mm Not Rated; Sieve size Slope Depth to bedrock Droughty	 1.00 1.00 0.42 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
Weikert-----	50	Not Rated Not Rated; AASHTO GIN Slope	1.00	Not Rated Not Rated; Clay percent Not Rated; Unified	1.00	Very limited Depth to bedrock Slope	1.00
		Depth to soft bedrock	1.00	Depth to soft bedrock	1.00	Droughty	1.00
		Frost action	0.50	Slope Cutbanks cave	1.00 0.10	Gravel content Content of large stones	0.92 0.01
WsB2: Westmoreland-----	100	Not Rated Not Rated; AASHTO GIN Frost action	0.50	Somewhat limited Depth to hard bedrock Cutbanks cave	1.00 0.10	Not limited	
WsC2: Westmoreland-----	100	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Frost action	0.50	Depth to hard bedrock Cutbanks cave	1.00 0.10		
WsD2: Westmoreland-----	50	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Frost action	0.50	Depth to hard bedrock Cutbanks cave	1.00 0.10		
Westmoreland-----	50	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Frost action	0.50	Depth to hard bedrock Cutbanks cave	1.00 0.10		
WsE: Westmoreland-----	50	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Frost action	0.50	Depth to hard bedrock Cutbanks cave	1.00 0.10		
Westmoreland-----	50	Not Rated Not Rated; AASHTO GIN Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Frost action	0.50	Depth to hard bedrock Cutbanks cave	1.00 0.10		

