

Table ENG-4. - Building Site Development

Wayne County, West Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

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
AgC: Allegheny	100	Somewhat limited Slope	0.63	Somewhat limited Slope Depth to hard Cutbanks cave	0.63 0.42 0.10	Somewhat limited Slope	0.63
AsA: Ashton	100	Somewhat limited Flooding	0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
Melvin	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00

Table ENG-4. - Building Site Development - Continued

Wayne County, West Virginia

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
BeC: Beech	100	Somewhat limited Slope Shrink-swell Frost action	0.63 0.50 0.50	Very limited Depth to saturated zone Slope Cutbanks cave	1.00 0.63 0.10	Somewhat limited Slope Depth to saturated zone	0.63 0.03
BeD: Beech	100	Very limited Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited Slope Depth to saturated zone Cutbanks cave	1.00 1.00 0.10	Very limited Slope Depth to saturated zone	1.00 0.03
BeE: Beech	100	Very limited Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited Slope Depth to saturated zone Cutbanks cave	1.00 1.00 0.10	Very limited Slope Depth to saturated zone	1.00 0.03
BuC: Beech	40	Somewhat limited Slope Shrink-swell Frost action	0.63 0.50 0.50	Very limited Depth to saturated zone Slope Cutbanks cave	1.00 0.63 0.10	Somewhat limited Slope Depth to saturated zone	0.63 0.03
Urban Land	30	Not Rated		Not Rated		Not Rated	
Other Soils	25	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Ca: Chagrin	100	Very limited Flooding Frost action	1.00 0.50	Very limited Cutbanks cave Flooding Depth to saturated zone	1.00 0.60 0.15	Somewhat limited Flooding	0.60
Holly	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
CtA: Cotaco	100	Somewhat limited Flooding Depth to saturated zone	0.40 0.19	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone	0.19
CtB:							

Table ENG-4. - Building Site Development - Continued

Wayne County, West Virginia

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
CtB: Cotaco	100	Somewhat limited Flooding Depth to saturated zone	0.40 0.19	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone	0.19
DgF: Dekalb	50	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Content of large stones Droughty	1.00 0.84 0.71
Other Soils	30	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Gilpin	20	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Content of large stones Droughty	1.00 0.92 0.56
DIE: Dekalb	45	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Droughty Depth to bedrock	1.00 0.71 0.46
Latham	30	Very limited Slope Frost action Shrink-swell	1.00 1.00 1.00	Very limited Slope Depth to saturated zone Depth to soft	1.00 1.00 1.00 0.46	Very limited Slope Depth to bedrock Depth to saturated zone	1.00 0.46 0.03
Other Soils	25	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
DPG: Dekalb	40	Very limited Slope Depth to hard	1.00 0.46	Very limited Depth to hard Slope Cutbanks cave	1.00 1.00 0.10	Very limited Slope Content of large stones Droughty	1.00 1.00 0.71
Pineville	25	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 <0.01

Table ENG-4. - Building Site Development - Continued

Wayne County, West Virginia

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
DPG: Guyandotte	20	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 1.00 0.61
Other Soils	15	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
DrD: Dormont	45	Very limited Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited Slope Depth to saturated zone Cutbanks cave	1.00 1.00 0.10	Very limited Slope Depth to saturated zone	1.00 0.03
Latham	35	Very limited Slope Frost action Shrink-swell	1.00 1.00 1.00	Very limited Slope Depth to saturated zone Depth to soft	1.00 1.00 0.46	Very limited Slope Depth to bedrock Depth to saturated zone	1.00 0.46 0.03
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
DrE: Dormont	50	Very limited Slope Shrink-swell Frost action	1.00 0.50 0.50	Very limited Slope Depth to saturated zone Cutbanks cave	1.00 1.00 0.10	Very limited Slope Depth to saturated zone	1.00 0.03
Other Soils	30	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Latham	25	Very limited Slope Frost action Shrink-swell	1.00 1.00 1.00	Very limited Slope Depth to saturated zone Depth to soft	1.00 1.00 0.46	Very limited Slope Depth to bedrock Depth to saturated zone	1.00 0.46 0.03
FvF: Fiveblock	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 0.19
GuC:							

Table ENG-4. - Building Site Development - Continued

Wayne County, West Virginia

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
GuC: Gilpin	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.63	Slope	0.63	Slope	0.63
		Frost action	0.50	Depth to soft Cutbanks cave	0.46 0.10	Depth to bedrock Droughty	0.46 0.34
Upshur	30	Very limited		Somewhat limited		Somewhat limited	
		Shrink-swell	1.00	Slope	0.63	Slope	0.63
		Slope Frost action	0.63 0.50	Too clayey Cutbanks cave	0.28 0.10		
Other Soils	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
GuD: Gilpin	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft Cutbanks cave	0.46 0.10	Depth to bedrock Droughty	0.46 0.34
Upshur	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell Frost action	1.00 0.50	Too clayey Cutbanks cave	0.28 0.10		
Other Soils	20	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
GuE: Gilpin	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft Cutbanks cave	0.46 0.10	Depth to bedrock Droughty	0.46 0.34
Other Soils	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
Upshur	25	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Shrink-swell Frost action	1.00 0.50	Too clayey Cutbanks cave	0.28 0.10		
GuF: Gilpin	50	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Frost action	0.50	Depth to soft Cutbanks cave	0.46 0.10	Depth to bedrock Droughty	0.46 0.34

Table ENG-4. - Building Site Development - Continued

Wayne County, West Virginia

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
GuF: Other Soils	30	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Upshur	20	Very limited Slope Shrink-swell Frost action	1.00 1.00 0.50	Very limited Slope Too clayey Cutbanks cave	1.00 0.28 0.10	Very limited Slope	1.00
Gw: Grigsby	100	Very limited Flooding	1.00	Somewhat limited Flooding Depth to saturated zone Cutbanks cave	0.60 0.24 0.10	Somewhat limited Flooding	0.60
Melvin	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Gy: Guyan	100	Very limited Frost action Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Very limited Depth to saturated zone	1.00
Purdy	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Hu: Huntington	100	Very limited Frost action Flooding	1.00 1.00	Very limited Cutbanks cave Flooding	1.00 0.80	Very limited Flooding	1.00
Melvin	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
KaA: Kanawha	100	Somewhat limited Frost action Flooding	0.50 0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
KaB: Kanawha	100	Somewhat limited Frost action Flooding	0.50 0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
LgC:							

Table ENG-4. - Building Site Development - Continued

Wayne County, West Virginia

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
LgC: Latham	55	Very limited Frost action Shrink-swell Slope	1.00 1.00 0.63	Very limited Depth to saturated zone Slope Depth to soft	1.00 0.63 0.46	Somewhat limited Slope Depth to bedrock Depth to saturated zone	0.63 0.46 0.03
Gilpin	30	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope Depth to soft Cutbanks cave	0.63 0.46 0.10	Somewhat limited Slope Depth to bedrock Droughty	0.63 0.46 0.34
Other Soils	15	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
LgD: Latham	50	Very limited Slope Frost action Shrink-swell	1.00 1.00 1.00	Very limited Slope Depth to saturated zone Depth to soft	1.00 1.00 0.46	Very limited Slope Depth to bedrock Depth to saturated zone	1.00 0.46 0.03
Gilpin	30	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock Droughty	1.00 0.46 0.34
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Lo: Lobdell	100	Very limited Frost action Flooding	1.00 1.00	Somewhat limited Depth to saturated zone Flooding Cutbanks cave	0.99 0.60 0.10	Somewhat limited Flooding	0.60
Holly	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
M: Udorthents	100	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
MaB:							

Table ENG-4. - Building Site Development - Continued

Wayne County, West Virginia

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
MaB: Markland	100	Very limited Shrink-swell Frost action	1.00 0.50	Somewhat limited Depth to saturated zone Too clayey Cutbanks cave	0.35 0.28 0.10	Not limited	
MaC: Markland	100	Very limited Shrink-swell Frost action Slope	1.00 0.50 0.04	Somewhat limited Depth to saturated zone Too clayey Cutbanks cave	0.35 0.28 0.10	Somewhat limited Slope	0.04
MD: Udorthents	100	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Me: Melvin	100	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.60 0.10	Very limited Depth to saturated zone Flooding	1.00 0.60
MS: Udorthents	100	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
NeD: Nelse	100	Very limited Slope Flooding	1.00 1.00	Very limited Slope Cutbanks cave Flooding	1.00 1.00 0.80	Very limited Flooding Slope	1.00 1.00
PbE: Pineville	45	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 <0.01
Other Soils	30	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00

Table ENG-4. - Building Site Development - Continued

Wayne County, West Virginia

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
PbE: Buchanan	25	Very limited Slope Depth to thick cemented pan Frost action	1.00 0.68 0.50	Very limited Depth to thick cemented pan Slope Cutbanks cave	1.00 1.00 1.00	Very limited Slope Content of large stones Depth to cemented pan	1.00 0.95 0.68
SM: Fiveblock	100	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope Content of large stones Gravel content	1.00 0.84 0.19
U: Udorthents	100	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Ud: Udorthents	100	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
UsB: Urban Land	50	Not Rated		Not Rated		Not Rated	
Ashton	20	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
Lindside	15	Very limited Frost action Flooding Depth to saturated zone	1.00 1.00 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
Other Soils	10	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Melvin	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
UtD: Urban Land	35	Not Rated		Not Rated		Not Rated	
Gilpin	25	Very limited Slope Frost action	1.00 0.50	Very limited Slope Depth to soft Cutbanks cave	1.00 0.46 0.10	Very limited Slope Depth to bedrock Droughty	1.00 0.46 0.34

Table ENG-4. - Building Site Development - Continued

Wayne County, West Virginia

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
UtD: Other Soils	25	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Upshur	15	Very limited Slope Shrink-swell Frost action	1.00 1.00 0.50	Very limited Slope Too clayey Cutbanks cave	1.00 0.28 0.10	Very limited Slope	1.00
UvB: Urban Land	35	Not Rated		Not Rated		Not Rated	
Kanawha	30	Somewhat limited Frost action Flooding	0.50 0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
Cotaco	25	Somewhat limited Flooding Depth to saturated zone	0.40 0.19	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Depth to saturated zone	0.19
Melvin	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Other Soils	5	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
UwB: Urban Land	55	Not Rated		Not Rated		Not Rated	
Wheeling	25	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
Other Soils	20	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
W: Water	100	Not Rated		Not Rated		Not Rated	