Table K2. - Soil Features

Fayette And Raleigh Counties, West Virginia

Absence of an entry indicates that the feature is not a concern or that data were not estimated.

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost	Risk of Corrosion	
	Kind	Depth to Top	to Top Thickness	Thickness Hardness	Hardness	Initial	Total	Action	Uncoated
	Concrete Kind	to Top	Thickness	Hardness				Steel	
		In	In		In	In			
Ad:									
Fluvaquents	---	---	---	---	---	---	High	High	High
Atkins	---	---	---	---	---	---	---	---	---
As:									
Ashton	---	---	---	---	---	---	---	Low	Low
At:									
Atkins	---	---	---	---	---	---	High	High	Moderate
Br:									
Brinkerton	---	---	---	---	---	---	High	High	High
CaC:									
Calvin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	Moderate
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
Other Soils	---	---	---	---	---	---	---	---	---
CaD:									
Calvin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	Moderate

Table K2. - Soil Features - Continued

Fayette And Raleigh Counties, West Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost	Risk of Corrosion	
	Kind	Depth to Top	to Top	Thickness	Hardness	Initial	Total	Action	Uncoated
	Concrete Kind	to Top	Thickness	Hardness				Steel	
		In	In		In	In			
CaD:									
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
Other Soils	---	---	---	---	---	---	---	---	---
CaD3:									
Calvin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	Moderate
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
Other Soils	---	---	---	---	---	---	---	---	---
CaE:									
Calvin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	Moderate
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
Other Soils	---	---	---	---	---	---	---	---	---
CaE3:									
Calvin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	Moderate
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High

Table K2. - Soil Features - Continued

Fayette And Raleigh Counties, West Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost	Risk of Corrosion	
	Kind	Depth to Top	to Top	Thickness	Hardness	Initial	Total	Action	Uncoated
	Concrete Kind	to Top	Thickness	Hardness				Steel	
		In	In		In	In			
CaE3:									
Other Soils	---	---	---	---	---	---	---	---	---
CaF:									
Calvin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	Moderate
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
Other Soils	---	---	---	---	---	---	---	---	---
CaF3:									
Calvin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	Moderate
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
Other Soils	---	---	---	---	---	---	---	---	---
CgC:									
Calvin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	Moderate
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
Other Soils	---	---	---	---	---	---	---	---	---
CgE:									

Table K2. - Soil Features - Continued

Fayette And Raleigh Counties, West Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Action	Uncoated
	Concrete Kind	to Top	Thickness	Hardness				Steel	
		In	In		In	In			
CgE:									
Calvin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	Moderate
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
Other Soils	---	---	---	---	---	---	---	---	---
CgF:									
Calvin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	Moderate
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
Other Soils	---	---	---	---	---	---	---	---	---
Ch:									
Chavies	---	---	---	---	---	---	---	Low	Moderate
ClB:									
Clymer	Bedrock (lithic)	40	---	---	---	---	Moderate	Low	High
Unnamed Soil	---	---	---	---	---	---	---	---	---
ClC:									
Clymer	Bedrock (lithic)	40	---	---	---	---	Moderate	Low	High

Table K2. - Soil Features - Continued

Fayette And Raleigh Counties, West Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total	Action	Uncoated	
	Concrete Kind	to Top	Thickness	Hardness			Steel		
		In	In		In	In			
CpB:									
Cookport	Bedrock (lithic)	40-72	---	---	---	---	Moderate	Moderate	Moderate
Unnamed Soil	---	---	---	---	---	---	---	---	---
DbB:									
Dekalb	Bedrock (lithic)	20-40	---	---	---	---	Low	Low	High
DbC:									
Dekalb	Bedrock (lithic)	20-40	---	---	---	---	Low	Low	High
DcD:									
Dekalb	Bedrock (lithic)	20-40	---	---	---	---	Low	Low	High
DcE:									
Dekalb	Bedrock (lithic)	20-40	---	---	---	---	Low	Low	High
DsC:									
Dekalb	Bedrock (lithic)	20-40	---	---	---	---	Low	Low	High
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
DsE:									
Dekalb	Bedrock (lithic)	20-40	---	---	---	---	Low	Low	HighDistribution

Table K2. - Soil Features - Continued

Fayette And Raleigh Counties, West Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Action	Uncoated
	Concrete Kind	to Top	Thickness	Hardness				Steel	
		In	In		In	In			
DsE:									
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
DsF:									
Dekalb	Bedrock (lithic)	20-40	---	---	---	---	Low	Low	High
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
ErB:									
Ernest	---	---	---	---	---	---	Moderate	Moderate	Moderate
Lickdale	---	---	---	---	---	---	---	---	---
ErC:									
Ernest	---	---	---	---	---	---	Moderate	Moderate	Moderate
EsC:									
Ernest	---	---	---	---	---	---	Moderate	Moderate	Moderate
Shelocta	Bedrock (lithic)	48	---	---	---	---	---	Low	High
EsE:									
Ernest	---	---	---	---	---	---	Moderate	Moderate	Moderate

Table K2. - Soil Features - Continued

Fayette And Raleigh Counties, West Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Action	Uncoated
	Concrete Kind	to Top	Thickness	Hardness				Steel	
		In	In		In	In			
EsE:									
Shelocta	Bedrock (lithic)	48	---	---	---	---	---	Low	High
GlB:									
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
GlC:									
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
GlC3:									
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
GlD:									
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
GlD3:									
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
GlE:									
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
GlE3:									
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
GlF:									

Table K2. - Soil Features - Continued

Fayette And Raleigh Counties, West Virginia

Map Symbol and Soil Name	Restrictive Layer Kind	Depth to Top	Thickness	Hardness	Subsidence Initial	Total	Potential for Frost Action	Risk of Corrosion Uncoated
	Concrete Kind	to Top	Thickness	Hardness			Steel	
		In	In		In	In		
GlF:								
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
GlF3:								
Gilpin	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
Gr:								
Fluvents	---	---	---	---	---	---	Moderate	High	High
La:								
Landes	---	---	---	---	---	---	Moderate	Low	Low
Atkins	---	---	---	---	---	---	---	---	---
Lc:								
Lickdale	Bedrock (paralithic)	40	---	---	---	---	High	High	High
Ma:								
Udorthents,dumps,low	---	---	---	---	---	---	---	High	High
McB:								
Meckesville	---	---	---	---	---	---	Moderate	Moderate	High
Atkins	---	---	---	---	---	---	---	---	---
McC:								

Table K2. - Soil Features - Continued

Fayette And Raleigh Counties, West Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost	Risk of Corrosion	
	Kind	Depth to Top	to Top Thickness	Thickness Hardness	Hardness	Initial	Total	Action	Uncoated
	Concrete Kind	to Top	Thickness	Hardness				Steel	
		In	In		In	In			
McC:									
Meckesville	---	---	---	---	---	---	Moderate	Moderate	High
MdC:									
Meckesville	---	---	---	---	---	---	Moderate	Moderate	High
MdE:									
Meckesville	---	---	---	---	---	---	Moderate	Moderate	High
Me:									
Udorthents,dumps,low	---	---	---	---	---	---	---	High	High
MgA:									
Monongahela	---	---	---	---	---	---	Moderate	High	High
MgB:									
Monongahela	---	---	---	---	---	---	Moderate	High	High
MkC:									
Muskingum	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
MkC3:									
Muskingum	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
MkD:									

Table K2. - Soil Features - Continued

Fayette And Raleigh Counties, West Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost	Risk of Corrosion	
	Kind	Depth to Top	to Top Thickness	Thickness Hardness	Hardness	Initial	Total	Action	Uncoated
	Concrete Kind	to Top	Thickness	Hardness				Steel	
		In	In		In	In			
MkD:									
Muskingum	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
MkD3:									
Muskingum	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
MkE:									
Muskingum	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
MkE3:									
Muskingum	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
MkF:									
Muskingum	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
MnE:									
Muskingum	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
MnF:									
Muskingum	Bedrock (paralithic)	20-40	---	---	---	---	Moderate	Low	High
Ph:									
Philo	Bedrock (lithic)	40	---	---	---	---	Moderate	Low	High
Atkins	---	---	---	---	---	---	---	---	---

Table K2. - Soil Features - Continued

Fayette And Raleigh Counties, West Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost	Risk of Corrosion	
	Kind	Depth to Top	to Top Thickness	Thickness Hardness	Hardness	Initial	Total	Action	Uncoated
	Concrete Kind	to Top	Thickness	Hardness				Steel	
		In	In		In	In			
Po:									
Pope	---	---	---	---	---	---	Moderate	Low	High
Atkins	---	---	---	---	---	---	---	---	---
RaB:									
Rayne	Bedrock (paralithic)	40	---	---	---	---	Moderate	Low	High
RaC:									
Rayne	Bedrock (paralithic)	40	---	---	---	---	Moderate	Low	High
ShC:									
Shelocta	Bedrock (lithic)	48	---	---	---	---	---	Low	High
ShD:									
Shelocta	Bedrock (lithic)	48	---	---	---	---	---	Low	High
ShE:									
Shelocta	Bedrock (lithic)	48	---	---	---	---	---	Low	High
Sr:									
Rock Outcrop,hard	Bedrock (lithic)	0-4	---	---	---	---	---	---	---
St:									
Udorthents,mudstone,	---	---	---	---	---	---	---	Low	Moderate

Table K2. - Soil Features - Continued

Fayette And Raleigh Counties, West Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Action	Uncoated
	Concrete Kind	to Top	Thickness	Hardness				Steel	
		In	In		In	In			
SuB:									
Summers	Bedrock (lithic)	20-30	---	---	---	---	Moderate	Low	High
U:									
Urban Areas	---	---	---	---	---	---	---	---	---
w:									
Water	---	---	---	---	---	---	---	---	---
WhB:									
Wharton	Bedrock (paralithic)	40	---	---	---	---	High	High	High
WhC:									
Wharton	Bedrock (paralithic)	40	---	---	---	---	High	High	High
WhC3:									
Wharton	Bedrock (paralithic)	40	---	---	---	---	High	High	High