

Cincinnati-----	Fragipan	20-36	---	---	0	0	High	---	Moderate	High
CldC2:										
Cincinnati-----	Fragipan	20-36	---	---	0	0	High	Low	Moderate	High
Blocher-----	---	---	---	---	0	0	High	Low	High	High
CldC3:										
Cincinnati-----	Fragipan	10-20	---	---	0	0	High	Low	Moderate	High
Blocher-----	---	---	---	---	0	0	High	Low	High	High

Table K2.--Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Soil Slippage Potential	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total			Uncoated steel	Concrete
ClfA:		In	In		In	In				
Cobbsfork-----	---	---	---	---	0	0	High	---	High	High
ComC:										
Coolville-----	Bedrock (paralithic)	40-60	---	Moderately cemented	0	0	High	Medium	High	High
ConC3:										
Coolville-----	Bedrock (paralithic)	40-60	---	Moderately cemented	0	0	High	Medium	High	High
Rarden-----	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	High	Medium	High	High
ConD:										
Coolville-----	Bedrock (paralithic)	40-60	---	Moderately cemented	0	0	High	High	High	High
Rarden-----	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	High	High	High	High
CspA:										
Crider-----	Bedrock (lithic)	80-120	---	Indurated	0	---	High	Low	Moderate	Moderate
CspB2:										
Crider, eroded---	Bedrock (lithic)	60-120	---	Indurated	0	---	High	Low	Moderate	Moderate
CtrB2:										
Crider, karst---	Bedrock (lithic)	60-120	---	Indurated	0	---	High	Low	Moderate	Moderate

Table K2.--Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Soil Slippage Potential	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total			Uncoated steel	Concrete
CtwB:		In	In		In	In				
Crider-----	Bedrock (lithic)	60-98	---	Indurated	0	0	High	---	Moderate	High
Bedford-----	Fragipan	20-38	---	---	0	0	High	---	High	High
	Bedrock (lithic)	80-120	---	Indurated						
Navilleton-----	Bedrock (lithic)	60-120	---	Indurated	0	0	High	---	Moderate	High
CwaAQ:										
Cuba-----	---	---	---	---	0	0	High	---	Low	High
CxgC3:										
Crider, severely eroded-----	Bedrock (lithic)	60-120	---	Indurated	0	---	High	Low	Moderate	Moderate
Haggatt, severely eroded-----	Bedrock (lithic)	40-60	---	Indurated	0	---	High	Low	High	Moderate
CxhC2:										
Crider-----	Bedrock (lithic)	60-120	---	Indurated	0	---	High	---	Moderate	Moderate
Haggatt-----	Bedrock (lithic)	40-60	---	Indurated	0	---	High	Low	High	Moderate

CxmC2:											
Crider, karst----	Bedrock (lithic)	60-120	---	Indurated	0	---	High	Low	Moderate	Moderate	
Haggatt, karst----	Bedrock (lithic)	40-60	---	Indurated	0	---	High	Low	High	Moderate	
CxnC3:											
Crider, karst, severely eroded-----	Bedrock (lithic)	60-120	---	---	0	---	High	---	Moderate	Moderate	
Haggatt, severely eroded-----	Bedrock (lithic)	40-60	---	Indurated	0	---	High	Low	High	Moderate	
DbrG:											
Deam-----	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	Moderate	High	High	High	

Table K2.--Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Soil Slippage Potential	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total			Uncoated steel	Concrete
		In	In		In	In				
DdsAW:										
Dearborn-----	---	---	---	---	0	---	High	Low	Low	Low
DfnA:										
Dubois-----	Fragipan	22-40	---	---	0	0	High	---	High	High
DtvC2:										
Deputy-----	Bedrock (paralithic)	40-60	---	Weakly cemented	0	0	High	Low	High	High
	Bedrock (lithic)	60-80	---	Very strongly cemented						
Trappist-----	Bedrock (lithic)	20-40	---	Very strongly cemented	0	0	High	Low	High	High
EbpD2:										
Eden-----	Bedrock (paralithic)	20-40	---	Moderately cemented	0	---	Moderate	High	Moderate	Low
EesA:										
Elkinsville-----	---	---	---	---	0	---	High	Low	Moderate	High
Millstone-----	---	---	---	---	0	---	Moderate	Low	Moderate	High
EesB:										
Elkinsville-----	---	---	---	---	0	---	High	Low	Moderate	High
Millstone-----	---	---	---	---	0	---	Moderate	Low	Moderate	High
EesC2:										
Elkinsville-----	---	---	---	---	0	---	High	Low	Moderate	High
Millstone-----	---	---	---	---	0	---	Moderate	Low	Moderate	High
EesD2:										
Elkinsville-----	---	---	---	---	0	---	High	Low	Moderate	High
Millstone-----	---	---	---	---	0	---	Moderate	Low	Moderate	High

Table K2.--Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Soil Slippage Potential	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total			Uncoated steel	Concrete
		In	In		In	In				
EesFQ:										
Elkinsville-----	---	---	---	---	0	---	High	Medium	Moderate	High
Millstone-----	---	---	---	---	0	---	Moderate	Medium	Moderate	High
EsaG:										
Eden-----	Bedrock (paralithic)	20-40	---	Moderately cemented	0	---	Moderate	High	Moderate	Low
GgbG:										
Gilwood-----	Bedrock (lithic)	20-40	---	Strongly cemented	0	0	Moderate	Medium	Moderate	High
Brownstown-----	Bedrock (lithic)	20-40	---	Strongly cemented	0	0	Moderate	Medium	Low	High

GgfD:											
Gilwood-----	Bedrock (lithic)	20-40	---	Strongly cemented	0	0	High	Medium	Moderate	High	
Wrays-----	Bedrock (lithic)	40-60	---	Strongly cemented	0	0	High	Medium	High	High	
GgfE2:											
Gilwood-----	Bedrock (lithic)	20-40	---	Strongly cemented	0	0	High	Medium	Moderate	High	
Wrays-----	Bedrock (lithic)	40-60	---	Strongly cemented	0	0	High	Medium	High	High	
GmaG:											
Gnawbone-----	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	Moderate	High	Moderate	High	
Kurtz-----	Bedrock (paralithic)	40-60	---	Moderately cemented	0	0	High	High	Moderate	High	
GyaD2:											
Grayford-----	Bedrock (lithic)	40-60	---	Indurated	0	---	High	---	High	Moderate	
GyaD3:											
Grayford-----	Bedrock (lithic)	40-60	---	Indurated	0	---	High	---	High	Moderate	

Table K2.--Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Soil Slippage Potential	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total			Uncoated steel	Concrete
GyaD5:										
Grayford, gullied	Bedrock (lithic)	40-60	---	Indurated	0	---	High	---	High	Moderate
GykD2:										
Grayford, karst--	Bedrock (lithic)	40-60	---	Indurated	0	---	High	---	High	Moderate
GykD3:										
Grayford, karst--	Bedrock (lithic)	40-60	---	Indurated	0	---	High	---	High	Moderate
HcaA:										
Hatfield-----	---	---	---	---	0	---	High	Low	High	High
HccB2:										
Haubstadt-----	Fragipan	20-40	---	---	0	0	High	---	Moderate	High
HcdC2:										
Haubstadt-----	Fragipan	20-40	---	---	0	0	High	Low	Moderate	High
Shircliff-----	---	---	---	---	0	0	High	Low	High	Moderate
HceC3:										
Haubstadt-----	Fragipan	12-20	---	---	0	0	High	Low	Moderate	High
Shircliff-----	---	---	---	---	0	0	High	Low	High	Moderate
HcgAH:										
Haymond-----	---	---	---	---	0	0	High	---	Low	Low
HcgAV:										
Haymond-----	---	---	---	---	0	0	High	---	Low	Low
HcgAW:										
Haymond-----	---	---	---	---	0	0	High	---	Low	Low
HerE:										
Hickory-----	---	---	---	---	0	0	Moderate	Medium	Moderate	Moderate
Bonnell-----	---	---	---	---	0	0	Moderate	Medium	High	High

Table K2.--Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Soil Slippage Potential	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total			Uncoated steel	Concrete
HtwD2:										
Haggatt-----	Bedrock (lithic)	40-60	---	Indurated	0	---	High	Medium	High	Moderate
Caneyville-----	Bedrock	20-40	---	Indurated	0	---	High	Medium	High	Moderate

	(lithic)										
HtzD3: Haggatt, severely eroded-----	Bedrock (lithic)	40-60	---	Indurated	0	---	High	Medium	High	Moderate	
Caneyville, severely eroded-	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	Medium	High	Moderate	
HufAK: Huntington-----		---	---	---	0	0	High	---	Low	Moderate	
HuhD2: Haggatt, karst---	Bedrock (lithic)	40-60	---	Indurated	0	---	High	Medium	High	Moderate	
Caneyville, karst	Bedrock (lithic)	20-40	---	Indurated	0	---	High	Medium	High	Moderate	
HujD3: Haggatt, karst---	Bedrock (lithic)	40-60	---	Indurated	0	---	High	Medium	High	Moderate	
Caneyville, karst	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	Medium	High	Moderate	
JaeB2: Jennings-----	Fragipan	20-32	---	---	0	0	High	---	High	High	
	Bedrock (lithic)	60-90	---	Very strongly cemented							

Table K2.--Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Soil Slippage Potential	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total			Uncoated steel	Concrete
		In	In		In	In				
JafC2: Jennings-----	Fragipan	20-32	---	---	0	0	High	Low	High	High
	Bedrock (lithic)	60-90	---	Very strongly cemented						
Blocher, Hard Bedrock Substratum-----	Bedrock (lithic)	60-80	---	Very strongly cemented	0	0	High	Low	High	High
JafC3: Jennings-----	Fragipan	15-20	---	---	0	0	High	Low	High	High
	Bedrock (lithic)	60-90	---	Very strongly cemented						
Blocher, Hard Bedrock Substratum-----	Bedrock (lithic)	60-80	---	Very strongly cemented	0	0	High	Low	High	High
KxkC2: Knobcreek-----	Bedrock (lithic)	60-120	---	Indurated	0	0	High	Low	High	High
Navilleton-----	Bedrock (lithic)	60-120	---	Indurated	0	0	High	Low	Moderate	High
KxlC3: Knobcreek-----	Bedrock (lithic)	60-120	---	Indurated	0	0	High	Low	High	High
Haggatt-----	Bedrock (lithic)	40-60	---	Indurated	0	0	High	Low	High	Moderate
Caneyville-----	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Low	High	Moderate

Table K2.--Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Soil Slippage Potential	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total			Uncoated steel	Concrete
		In	In		In	In				
KxlE3: Knobcreek-----	Bedrock (lithic)	60-120	---	Indurated	0	0	High	Medium	High	High
Haggatt-----	Bedrock (lithic)	40-60	---	Indurated	0	0	High	Medium	High	Moderate

Caneyville-----	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Medium	High	Moderate
KxmE2: Knobcreek-----	Bedrock (lithic)	60-120	---	Indurated	0	0	High	Medium	High	High
Haggatt-----	Bedrock (lithic)	40-60	---	Indurated	0	0	High	Medium	High	Moderate
Caneyville-----	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Medium	High	Moderate
KxoC2: Knobcreek, karst-	Bedrock (lithic)	60-120	---	Indurated	0	0	High	Low	High	High
Navilleton, karst	Bedrock (lithic)	60-120	---	Indurated	0	0	High	Low	Moderate	High
Haggatt, karst---	Bedrock (lithic)	40-60	---	Indurated	0	0	High	Low	High	Moderate
KxpD2: Knobcreek, karst-	Bedrock (lithic)	60-120	---	Indurated	0	0	High	Medium	High	High
Haggatt, karst---	Bedrock (lithic)	40-60	---	Indurated	0	0	High	Medium	High	Moderate
Caneyville, karst	Bedrock (lithic)	20-40	---	Indurated	0	0	Moderate	Medium	High	Moderate
LpoAK: Lindsay-----		---	---	---	0	0	High	---	Moderate	Low
McgC2: Markland-----		---	---	---	0	---	Moderate	Medium	High	Moderate

Table K2.--Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Soil Slippage Potential	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total			Uncoated steel	Concrete
McngQ: Markland-----		In	In		In	In	High	Medium	High	Moderate
McpC3: Markland-----					0	0	Moderate	Medium	High	Moderate
McuDQ: Markland-----					0	0	Moderate	Medium	High	Moderate
MdqDQ: Markland-----					0	---	Moderate	Medium	High	Moderate
MhuA: Mcgary-----					0	0	High	---	High	Low
MhyA: Medora-----	Fragipan	20-36			0	0	High	---	Moderate	High
MhyB2: Medora-----	Fragipan	20-36			0	0	High	---	Moderate	High
MhyC2: Medora-----	Fragipan	20-36			0	0	High	Low	Moderate	High
MhyC3: Medora-----	Fragipan	12-20			0	0	High	Low	Moderate	High
MsvA: Montgomery, drained-----					0	---	High	---	High	Low
NaaA: Nabb-----	Fragipan	24-40			0	0	High	---	High	High
NaaB2: Nabb-----	Fragipan	24-40			0	0	High	---	High	High
NbhAK: Newark-----					0	0	High	---	High	Low
OfbAW: Oldenburg-----					0	0	Moderate	---	Moderate	Moderate
PcrB2: Pekin-----					0	0	High	---	High	High

Table K2.--Soil Features--Continued

Udortherents, Cut And Filled-----	---	---	---	---	---	---	---	---	---	---	---
UaoAK: Udifluvents, Cut And Filled-----	---	---	---	---	0	0	---	---	---	---	---
Urban Land-----	---	---	---	---	---	---	---	---	---	---	---
UedA: Urban Land-----	---	---	---	---	---	---	---	---	---	---	---
Aquents, Clayey Substratum-----	---	---	---	---	0	0	---	---	---	---	---
UndAY: Urban Land-----	---	---	---	---	---	---	---	---	---	---	---
Udifluvents-----	---	---	---	---	0	0	---	---	---	---	---

Table K2.--Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Soil Slippage Potential	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total			Uncoated steel	Concrete
UngB: Urban Land-----	---	In	In	---	In	In	---	---	---	---
Udarents, Fragipan Substratum-----	Fragipan	20-40	---	---	0	0	---	---	---	---
UnkB: Urban Land-----	---	---	---	---	---	---	---	---	---	---
Udarents, Silty Substratum-----	---	---	---	---	0	0	---	---	---	---
UnpA: Urban Land-----	---	---	---	---	---	---	---	---	---	---
Udarents, Loamy Substratum-----	---	---	---	---	0	0	---	---	---	---
UnsB: Urban Land, hills underlain with limestone-----	---	---	---	---	---	---	---	---	---	---
Udarents, Clayey Substratum, hills underlain with limestone--	---	---	---	---	---	---	---	Medium	---	---
W: Water-----	---	---	---	---	---	---	---	---	---	---
WaaAV: Wakeland-----	---	---	---	---	0	0	High	---	Moderate	Low
WaaAW: Wakeland-----	---	---	---	---	0	0	High	---	Moderate	Low
WedB2: Weddel-----	Bedrock (paralithic)	60-90	---	Moderately cemented	0	0	High	---	High	High

Table K2.--Soil Features--Continued

Map symbol and soil name	Restrictive layer				Subsidence		Potential for frost action	Soil Slippage Potential	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total			Uncoated steel	Concrete
WhcD: Wellrock-----	Bedrock (paralithic)	40-60	---	Moderately cemented	0	0	High	Medium	High	High
Gnawbone-----	Bedrock (paralithic)	20-40	---	Moderately cemented	0	0	High	Medium	Moderate	High
WnmA: Whitcomb-----	Bedrock (lithic)	60-80	---	Very strongly cemented	0	0	High	---	High	High
WokAV: Wilbur-----	---	---	---	---	0	0	High	---	Moderate	Low

WokAW:											
Wilbur-----	---	---	---	---	0	0	High	---	Moderate	Low	
WprAW:											
Wirt-----	---	---	---	---	0	0	Moderate	---	Low	Moderate	