

**Table K2. - Soil Features**

Tazewell County, 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 Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
1A: Allegheny	---	---	---	---	0	---	Moderate	Low	High
1B: Allegheny	---	---	---	---	0	---	Moderate	Low	High
2C: Alticrest	Bedrock (lithic)	20-40	---	Indurated	0	---	None	Low	High
2D: Alticrest	Bedrock (lithic)	20-40	---	Indurated	0	---	None	Low	High
2E: Alticrest	Bedrock (lithic)	20-40	---	Indurated	0	---	None	Low	High
3C: Berks	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Low	Low	High
Weikert	Bedrock (paralithic)	14-20	---	Strongly cemented	0	---	Moderate	Moderate	Moderate
3D: Berks	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Low	Low	High

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
3D: Weikert	Bedrock (paralithic)	14-20	---	Strongly cemented	0	---	Moderate	Moderate	Moderate
3E: Berks	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Low	Low	High
Weikert	Bedrock (paralithic)	14-20	---	Strongly cemented	0	---	Moderate	Moderate	Moderate
4E: Berks	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Low	Low	High
Gilpin	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Moderate	Low	High
4F: Berks	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Low	Low	High
Gilpin	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Moderate	Low	High
5D: Bland	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	High	Moderate
Rock outcrop	Bedrock (lithic)	0	---	---	0	---	None	---	---
5E:									

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
5E: Bland	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	High	Moderate
Rock outcrop	Bedrock (lithic)	0	---	---	0	---	None	---	---
6B: Bland	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	High	Moderate
6C: Bland	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	High	Moderate
6D: Bland	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	High	Moderate
7C: Botetourt	---	---	---	---	---	---	High	Moderate	High
8D: Brushy	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	Low	High
8E: Brushy	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	Low	High
9D: Calvin	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	Low	Moderate

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
9E: Calvin	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	Low	Moderate
10D: Calvin	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	Low	Moderate
10E: Calvin	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	Low	Moderate
11C: Carbo	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	High	Low
11D: Carbo	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	High	Low
11E: Carbo	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	High	Low
11F: Carbo	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	High	Low
12D: Carbo	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	High	Low
Rock outcrop	Bedrock (lithic)	0	---	---	0	---	None	---	---

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
12E: Carbo	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	High	Low
Rock outcrop	Bedrock (lithic)	0	---	---	0	---	None	---	---
13E: Carbo, karst	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	High	Low
Rock outcrop	Bedrock (lithic)	0	---	---	0	---	None	---	---
14C: Cedarcreek	---	---	---	---	0	---	Moderate	Moderate	High
Alticrest	Bedrock (lithic)	20-40	---	Indurated	0	---	None	Low	High
Rock outcrop	Bedrock (lithic)	0	---	---	0	---	None	---	---
14E: Cedarcreek	---	---	---	---	0	---	Moderate	Moderate	High
Alticrest	Bedrock (lithic)	20-40	---	Indurated	0	---	None	Low	High
Rock outcrop	Bedrock (lithic)	0	---	---	0	---	None	---	---

15C:

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
15C:									
Cedarcreek	---	---	---	---	0	---	Moderate	Moderate	High
Rock outcrop	Bedrock (lithic)	0	---	---	0	---	None	---	---
15D:									
Cedarcreek	---	---	---	---	0	---	Moderate	Moderate	High
Rock outcrop	Bedrock (lithic)	0	---	---	0	---	None	---	---
15E:									
Cedarcreek	---	---	---	---	0	---	Moderate	Moderate	High
Rock outcrop	Bedrock (lithic)	0	---	---	0	---	None	---	---
16D:									
Chiswell	Bedrock (lithic)	10-30	---	Indurated	0	---	Moderate	Moderate	Moderate
	Bedrock (paralithic)	10-20	---	Strongly cemented					
Litz	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Moderate	Moderate	High
16E:									

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
16E: Chiswell	Bedrock (lithic)	10-30	---	Indurated	0	---	Moderate	Moderate	Moderate
	Bedrock (paralithic)	10-20	---	Strongly cemented					
Litz	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Moderate	Moderate	High
16F: Chiswell	Bedrock (lithic)	10-30	---	Indurated	0	---	Moderate	Moderate	Moderate
	Bedrock (paralithic)	10-20	---	Strongly cemented					
Litz	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Moderate	Moderate	High
17B: Coursey	---	---	---	---	0	---	High	Moderate	High
18B: Craigsville	---	---	---	---	0	---	Moderate	Low	Moderate
19D: Drypond	Bedrock (lithic)	10-20	---	Indurated	---	---	Low	---	---
Rock outcrop	Bedrock (lithic)	0	---	---	---	---	---	---	---

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
19D: Wet spots	---	---	---	---	---	---	---	---	---
19E: Drypond	Bedrock (lithic)	10-20	---	Indurated	---	---	Low	---	---
Rock outcrop	Bedrock (lithic)	0	---	---	---	---	---	---	---
Wet spots	---	---	---	---	---	---	---	---	---
20B: Frederick	---	---	---	---	0	---	Moderate	Moderate	High
20C: Frederick	---	---	---	---	0	---	Moderate	Moderate	High
20D: Frederick	---	---	---	---	0	---	Moderate	Moderate	High
20E: Frederick	---	---	---	---	0	---	Moderate	Moderate	High
20F: Frederick	---	---	---	---	0	---	Moderate	Moderate	High

21B:

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
21B: Frederick	---	---	---	---	0	---	Moderate	Moderate	High
21C: Frederick	---	---	---	---	0	---	Moderate	Moderate	High
21D: Frederick	---	---	---	---	0	---	Moderate	Moderate	High
21E: Frederick	---	---	---	---	0	---	Moderate	Moderate	High
21F: Frederick	---	---	---	---	0	---	Moderate	Moderate	High
22B: Frederick	---	---	---	---	0	---	Moderate	Moderate	High
22C: Frederick	---	---	---	---	0	---	Moderate	Moderate	High
22D: Frederick	---	---	---	---	0	---	Moderate	Moderate	High
22E:									

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
22E: Frederick	---	---	---	---	0	---	Moderate	Moderate	High
23C: Gilpin	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Moderate	Low	High
Berks	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Low	Low	High
23D: Gilpin	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Moderate	Low	High
Berks	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Low	Low	High
24C: Grimsley	---	---	---	---	0	---	None	Low	High
24D: Grimsley	---	---	---	---	0	---	None	Low	High
24E: Grimsley	---	---	---	---	0	---	None	Low	High
25D: Cedarcreek	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Moderate	Moderate	High

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
25D: Grimsley	---	---	---	---	0	---	None	Low	High
Berks	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Low	Low	High
25E: Cedarcreek	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Moderate	Moderate	High
Grimsley	---	---	---	---	0	---	None	Low	High
Berks	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Low	Low	High
26B: Groseclose	---	---	---	---	0	---	Moderate	High	High
26C: Groseclose	---	---	---	---	0	---	Moderate	High	High
26D: Groseclose	---	---	---	---	0	---	Moderate	High	High
26E: Groseclose	---	---	---	---	0	---	Moderate	High	High
27B:									

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
27B: Guernsey	Bedrock (paralithic)	50	---	---	0	---	High	High	Moderate
27C: Guernsey	Bedrock (paralithic)	50	---	---	0	---	High	High	Moderate
28C: Lily	Bedrock (paralithic)	20-40	---	Very strongly cemented	0	---	None	Moderate	High
28D: Lily	Bedrock (paralithic)	20-40	---	Very strongly cemented	0	---	None	Moderate	High
28E: Lily	Bedrock (paralithic)	20-40	---	Very strongly cemented	0	---	None	Moderate	High
28F: Lily	Bedrock (paralithic)	20-40	---	Very strongly cemented	0	---	None	Moderate	High
29D: Lily	Bedrock (paralithic)	20-40	---	Very strongly cemented	0	---	Moderate	Moderate	High
29E:									

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
29E: Lily	Bedrock (paralithic)	20-40	---	Very strongly cemented	0	---	Moderate	Moderate	High
30C: Madsheep	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	Low	Moderate
30D: Madsheep	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	Low	Moderate
31E: Madsheep	Bedrock (lithic)	20-40	---	Indurated	0	---	Moderate	Low	Moderate
32A: Melvin	---	---	---	---	0	---	None	High	Low
33: Mine dumps	---	---	---	---	0	---	None	---	---
34B: Murrill	---	---	---	---	0	---	Moderate	Moderate	High
34C: Murrill	---	---	---	---	0	---	Moderate	Moderate	High
34D:									

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
34D: Murrill	---	---	---	---	0	---	Moderate	Moderate	High
35A: Lindside	---	---	---	---	0	---	High	Moderate	Low
Newark	---	---	---	---	0	---	High	High	Low
36F: Newbern	Bedrock (lithic)	10-20	---	Indurated	0	---	Moderate	Low	Low
Rock outcrop	Bedrock (lithic)	0	---	---	0	---	None	---	---
37C: Oriskany	---	---	---	---	0	---	Moderate	Moderate	High
37D: Oriskany	---	---	---	---	0	---	Moderate	Moderate	High
38C: Oriskany	---	---	---	---	0	---	Moderate	Moderate	High
38D: Oriskany	---	---	---	---	0	---	Moderate	Moderate	High

38E:

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
38E: Oriskany	---	---	---	---	0	---	Moderate	Moderate	High
39D: Paddyknob	Bedrock (lithic)	20-40	---	Indurated	0	---	Low	Low	High
Rock outcrop	Bedrock (lithic)	0	---	---	0	---	None	---	---
39E: Paddyknob	Bedrock (lithic)	20-40	---	Indurated	0	---	Low	Low	High
Rock outcrop	Bedrock (lithic)	0	---	---	0	---	None	---	---
40D: Paddyknob	Bedrock (lithic)	20-40	---	Indurated	0	---	Low	Low	High
40E: Paddyknob	Bedrock (lithic)	20-40	---	Indurated	0	---	Low	Low	High
41A: Philo	Bedrock (lithic)	40	---	---	0	---	Moderate	Low	High
42B: Pisgah	---	---	---	---	0	---	High	High	Moderate

42C:

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
42C: Pisgah	---	---	---	---	0	---	High	High	Moderate
43B: Pisgah, karst	---	---	---	---	0	---	High	High	Moderate
43C: Pisgah, karst	---	---	---	---	0	---	High	High	Moderate
44: Pits	Bedrock (lithic)	0	---	---	0	---	None	---	---
45A: Pope	---	---	---	---	0	---	Moderate	Low	High
46C: Poplimento	---	---	---	---	0	---	Moderate	High	Moderate
Westmoreland	Bedrock (lithic)	40	---	---	0	---	Moderate	Low	High
46D: Poplimento	---	---	---	---	0	---	Moderate	High	Moderate
Westmoreland	Bedrock (lithic)	40	---	---	0	---	Moderate	Low	High

47A:

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
47A: Purdy	---	---	---	---	0	---	High	High	High
48B: Timberville	---	---	---	---	0	---	Moderate	Low	High
49C: Tumbling	---	---	---	---	---	---	Moderate	Moderate	Moderate
49D: Tumbling	---	---	---	---	---	---	Moderate	Moderate	Moderate
50: Udorthents	---	---	---	---	---	---	---	---	---
Urban land	---	10	---	---	0	---	None	---	---
51D: Wallen	Bedrock (lithic)	20-40	---	Indurated	0	---	Low	Low	High
Rock outcrop	Bedrock (lithic)	0	---	---	0	---	None	---	---
51E: Wallen	Bedrock (lithic)	20-40	---	Indurated	0	---	Low	Low	High

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
51E: Rock outcrop	Bedrock (lithic)	0	---	---	0	---	None	---	---
52C: Wallen	Bedrock (lithic)	20-40	---	Indurated	0	---	Low	Low	High
52D: Wallen	Bedrock (lithic)	20-40	---	Indurated	0	---	Low	Low	High
52E: Wallen	Bedrock (lithic)	20-40	---	Indurated	0	---	Low	Low	High
53E: Poplimento	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Moderate	High	Moderate
Westmoreland	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Moderate	Low	High
Berks	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Low	Low	High
53F: Westmoreland	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Moderate	Low	High
Berks	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Low	Low	High

**Table K2. - Soil Features - Continued**

Tazewell County, Virginia

Map Symbol and Soil Name	Restrictive Layer				Subsidence		Potential for Frost Action	Risk of Corrosion	
	Kind	Depth to Top	Thickness	Hardness	Initial	Total		Uncoated Steel	Concrete
		In	In		In	In			
53F: Poplimento	Bedrock (paralithic)	20-40	---	Strongly cemented	0	---	Moderate	High	Moderate
54A: Wolfgap	---	---	---	---	---	---	Moderate	Low	Moderate
Wet spots	---	---	---	---	---	---	---	---	---
W: Water	---	---	---	---	---	---	---	---	---