Soil Features

(See text for definitions of terms used in this table. Absence of an entry indicates that the feature is not a concern or that data were not estimated.)

Ida county, Iowa

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			
1B:									
IDA	---	> 80	---	---	---	---	High	Low	Low.
1C:									
IDA	---	> 80	---	---	---	---	High	Low	Low.
1C3:									
IDA	---	> 80	---	---	---	---	High	Low	Low.
1D:									
IDA	---	> 80	---	---	---	---	High	Low	Low.
1D3:									
IDA	---	> 80	---	---	---	---	High	Low	Low.
1E:									
IDA	---	> 80	---	---	---	---	High	Low	Low.
1E3:									
IDA	---	> 80	---	---	---	---	High	Low	Low.
1F3:									
IDA	---	> 80	---	---	---	---	High	Low	Low.
8B:									
JUDSON	---	> 80	---	---	---	---	High	Moderate	Low.
8C:									
JUDSON	---	> 80	---	---	---	---	High	Moderate	Low.
9B:									
MARSHALL	---	> 80	---	---	---	---	High	Moderate	Moderate.
9B2:									
MARSHALL	---	> 80	---	---	---	---	High	Moderate	Moderate.
9C:									
MARSHALL	---	> 80	---	---	---	---	High	Moderate	Moderate.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
9C2:									
MARSHALL	---	> 80	---	---	---	---	High	Moderate	Moderate.
9D:									
MARSHALL	---	> 80	---	---	---	---	High	Moderate	Moderate.
9D2:									
MARSHALL	---	> 80	---	---	---	---	High	Moderate	Moderate.
11B:									
COLO	---	> 80	---	---	---	---	High	High	Moderate.
JUDSON	---	> 80	---	---	---	---	High	Moderate	Low.
22D3:									
DOW	---	> 80	---	---	---	---	High	Low	Low.
26:									
KENNEBEC	---	> 80	---	---	---	---	High	Moderate	Low.
26B:									
KENNEBEC	---	> 80	---	---	---	---	High	Moderate	Low.
27B:									
TERRIL	---	> 80	---	---	---	---	Moderate	Moderate	Low.
27C:									
TERRIL	---	> 80	---	---	---	---	Moderate	Moderate	Low.
28C2:									
DICKMAN	---	> 80	---	---	---	---	Low	Low	Moderate.
28D2:									
DICKMAN	---	> 80	---	---	---	---	Low	Low	Moderate.
31:									
AFTON	---	> 80	---	---	---	---	High	High	Low.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
35E2:									
STEINAUER	---	> 80	---	---	---	---	Moderate	High	Low.
BURCHARD	---	> 80	---	---	---	---	Moderate	Moderate	Low.
35G:									
STEINAUER	---	> 80	---	---	---	---	Moderate	High	Low.
BURCHARD	---	> 80	---	---	---	---	Moderate	Moderate	Low.
54:									
ZOOK	---	> 80	---	---	---	---	High	High	Moderate.
59D2:									
BURCHARD	---	> 80	---	---	---	---	Moderate	Moderate	Low.
78B:									
SAC	---	> 80	---	---	---	---	High	Moderate	Low.
78B2:									
SAC	---	> 80	---	---	---	---	High	Moderate	Low.
78C:									
SAC	---	> 80	---	---	---	---	High	Moderate	Low.
78C2:									
SAC	---	> 80	---	---	---	---	High	Moderate	Low.
78D2:									
SAC	---	> 80	---	---	---	---	High	Moderate	Low.
91B:									
PRIMGHAR	---	> 80	---	---	---	---	High	Moderate	Moderate.
92:									
MARCUS	---	> 80	---	---	---	---	High	High	Low.

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
99C2:									
EXIRA	---	> 80	---	---	---	---	High	Moderate	Moderate.
99D2:									
EXIRA	---	> 80	---	---	---	---	High	Moderate	Moderate.
99D3:									
EXIRA	---	> 80	---	---	---	---	High	Moderate	Moderate.
99E2:									
EXIRA	---	> 80	---	---	---	---	High	Moderate	Moderate.
100C:									
MONONA	---	> 80	---	---	---	---	High	Low	Low.
100C2:									
MONONA	---	> 80	---	---	---	---	High	Low	Low.
100C3:									
MONONA	---	> 80	---	---	---	---	High	Low	Low.
100D:									
MONONA	---	> 80	---	---	---	---	High	Low	Low.
100D2:									
MONONA	---	> 80	---	---	---	---	High	Low	Low.
100D3:									
MONONA	---	> 80	---	---	---	---	High	Low	Low.
100E:									
MONONA	---	> 80	---	---	---	---	High	Low	Low.
100E2:									
MONONA	---	> 80	---	---	---	---	High	Low	Low.
100E3:									
MONONA	---	> 80	---	---	---	---	High	Low	Low.

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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			
100F:									
MONONA	---	> 80	---	---	---	---	High	Low	Low.
100F2:									
MONONA	---	> 80	---	---	---	---	High	Low	Low.
100F3:									
MONONA	---	> 80	---	---	---	---	High	Low	Low.
133:									
COLO	---	> 80	---	---	---	---	High	High	Moderate.
133+:									
COLO	---	> 80	---	---	---	---	High	High	Moderate.
220:									
NODAWAY	---	> 80	---	---	---	---	High	Moderate	Low.
309:									
ALLENDORF	---	> 80	---	---	---	---	Moderate	Low	Moderate.
310:									
GALVA	---	> 80	---	---	---	---	High	Moderate	Moderate.
310B:									
GALVA	---	> 80	---	---	---	---	High	Moderate	Moderate.
310B2:									
GALVA	---	> 80	---	---	---	---	High	Moderate	Moderate.
310C:									
GALVA	---	> 80	---	---	---	---	High	Moderate	Moderate.
310C2:									
GALVA	---	> 80	---	---	---	---	High	Moderate	Moderate.
310D:									
GALVA	---	> 80	---	---	---	---	High	Moderate	Moderate.

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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			
310D2:									
GALVA	---	> 80	---	---	---	---	High	Moderate	Moderate.
428B:									
ELY	---	> 80	---	---	---	---	High	High	Moderate.
430:									
ACKMORE	---	> 80	---	---	---	---	High	High	Low.
430B:									
ACKMORE	---	> 80	---	---	---	---	High	High	Low.
474C:									
BOLAN	---	> 80	---	---	---	---	Moderate	Moderate	Moderate.
474D2:									
BOLAN	---	> 80	---	---	---	---	Moderate	Moderate	Moderate.
475B:									
ARTHUR	---	> 80	---	---	---	---	High	Low	Moderate.
475C2:									
ARTHUR	---	> 80	---	---	---	---	High	Low	Moderate.
475D2:									
ARTHUR	---	> 80	---	---	---	---	High	Low	Moderate.
509:									
MARSHALL	---	> 80	---	---	---	---	High	Moderate	Moderate.
509B:									
MARSHALL	---	> 80	---	---	---	---	High	Moderate	Moderate.
509C:									
MARSHALL	---	> 80	---	---	---	---	High	Moderate	Moderate.
509C2:									
MARSHALL	---	> 80	---	---	---	---	High	Moderate	Moderate.

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Ida county, Iowa

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			
740C:									
HAWICK	---	> 80	---	---	---	---	Low	Low	Low.
740E:									
HAWICK	---	> 80	---	---	---	---	Low	Low	Low.
740G:									
HAWICK	---	> 80	---	---	---	---	Low	Low	Low.
810:									
GALVA	---	> 80	---	---	---	---	High	Moderate	Moderate.
810B:									
GALVA	---	> 80	---	---	---	---	High	Moderate	Moderate.
810C2:									
GALVA	---	> 80	---	---	---	---	High	Moderate	Moderate.
1220:									
NODAWAY	---	> 80	---	---	---	---	High	Moderate	Low.
5010:									
PITS	---	---	---	---		---	---	---	---
5040:									
ORTHENTS	---	---	---	---	---	---	None	---	---
W:									
WATER	---	---	---	---		---	---	---	---