Soil Features
Charles Mix County, South Dakota

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			
AaA:									
Agar	---	---	---	---	0	---	Moderate	High	Low
AaB:									
Agar	---	---	---	---	0	---	Moderate	High	Low
AaC:									
Agar	---	---	---	---	0	---	Moderate	High	Low
Ab:									
Albaton	---	---	---	---	0	---	Moderate	High	Low
An:									
Albaton	---	---	---	---	0	---	High	High	Low
Ao:									
Aowa	---	---	---	---	0	---	High	Moderate	Low
Ar:									
Arlo	---	---	---	---	0	---	High	High	Moderate
AsA:									
Arlo	---	---	---	---	0	---	High	High	Moderate
Enet	---	---	---	---	0	---	Low	Moderate	Low
BbC:									
Beadle	---	---	---	---	0	---	Low	High	Moderate
Eakin	---	---	---	---	0	---	Moderate	High	Moderate
BcA:									
Beadle	---	---	---	---	0	---	Low	High	Moderate
Jerauld	---	---	---	---	0	---	Low	High	Moderate
BdF:									
Betts	---	---	---	---	0	---	Moderate	High	Moderate
BeE:									
Betts	---	---	---	---	0	---	Moderate	High	Moderate
Ethan	---	---	---	---	0	---	Moderate	Moderate	Moderate
Bn:									
Bon	---	---	---	---	0	---	Moderate	Moderate	Low
Bo:									
Bon	---	---	---	---	0	---	High	Moderate	Low
BsD:									
Boyd	Bedrock (paralithic)	20-40	---	---	0	---	Low	High	Moderate
Sansarc	Bedrock (paralithic)	4-20	---	---	0	---	Low	High	Moderate
CeB:									
Clarno	---	---	---	---	0	---	Moderate	High	Moderate
Ethan	---	---	---	---	0	---	Moderate	Moderate	Moderate
CeC:									
Clarno	---	---	---	---	0	---	Moderate	High	Moderate
Ethan	---	---	---	---	0	---	Moderate	Moderate	Moderate
Da:									
Degrey	---	---	---	---	0	---	Low	High	Moderate
Jerauld	---	---	---	---	0	---	Low	High	Moderate

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		In	In		In	In			
Db:									
Degrey	---	---	---	---	0	---	Low	High	Moderate
Walke	---	---	---	---	0	---	Low	High	Moderate
DmC:									
Delmont	---	---	---	---	0	---	Low	Moderate	Low
Talmo	---	---	---	---	0	---	Low	Moderate	Low
DnA:									
Dorna	---	---	---	---	0	---	Moderate	High	Moderate
Du:									
Durrstein	---	---	---	---	0	---	Moderate	High	High
EaA:									
Eakin	---	---	---	---	0	---	Moderate	High	Moderate
EbB:									
Eakin	---	---	---	---	0	---	Moderate	High	Moderate
Beadle	---	---	---	---	0	---	Low	High	Moderate
EdA:									
Eakin	---	---	---	---	0	---	Moderate	High	Moderate
Degrey	---	---	---	---	0	---	Low	High	Moderate
EeB:									
Eakin	---	---	---	---	0	---	Moderate	High	Moderate
Ethan	---	---	---	---	0	---	Moderate	Moderate	Moderate
EeC:									
Eakin	---	---	---	---	0	---	Moderate	High	Moderate
Ethan	---	---	---	---	0	---	Moderate	Moderate	Moderate
EmA:									
Enet	---	---	---	---	0	---	Low	Moderate	Low
EnC:									
Enet	---	---	---	---	0	---	Low	Moderate	Low
Delmont	---	---	---	---	0	---	Low	Moderate	Low
EtD:									
Ethan	---	---	---	---	0	---	Moderate	Moderate	Moderate
Clarno	---	---	---	---	0	---	Moderate	High	Moderate
EuC:									
Ethan	---	---	---	---	0	---	Moderate	Moderate	Moderate
Homme	---	---	---	---	0	---	Low	High	Low
GsE:									
Gavins	Bedrock (paralithic)	10-20	---	---	0	---	Moderate	Moderate	High
Sansarc	Bedrock (paralithic)	4-20	---	---	0	---	Low	High	Moderate
Gv:									
Graceville	---	---	---	---	0	---	High	Moderate	Low
HaA:									
Hand	---	---	---	---	0	---	Moderate	High	Moderate
Hb:									
Haynie	---	---	---	---	0	---	High	Low	Low
Hc:									
Haynie Variant	---	---	---	---	0	---	Moderate	Moderate	Low

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
HeB:									
Henkin	---	---	---	---	0	---	Moderate	Moderate	Low
HgA:									
Highmore	---	---	---	---	0	---	Moderate	High	Low
HhB:									
Highmore	---	---	---	---	0	---	Moderate	High	Low
Eakin	---	---	---	---	0	---	Moderate	High	Moderate
HlA:									
Highmore	---	---	---	---	0	---	Moderate	High	Low
Walke	---	---	---	---	0	---	Low	High	Moderate
HmB:									
Homme	---	---	---	---	0	---	Low	High	Low
Ethan	---	---	---	---	0	---	Moderate	Moderate	Moderate
Onita	---	---	---	---	0	---	Moderate	High	Low
HoA:									
Homme	---	---	---	---	0	---	Low	High	Low
Onita	---	---	---	---	0	---	High	High	Low
HoB:									
Homme	---	---	---	---	0	---	Low	High	Low
Onita	---	---	---	---	0	---	Moderate	High	Low
HuA:									
Houdek	---	---	---	---	0	---	Moderate	High	Moderate
HuB:									
Houdek	---	---	---	---	0	---	Moderate	High	Moderate
Hv:									
Hoven	---	---	---	---	0	---	Moderate	High	Moderate
InB:									
Inavale	---	---	---	---	0	---	Low	Moderate	Low
Norway	---	---	---	---	0	---	High	Low	Low
IvA:									
Inavale	---	---	---	---	0	---	Low	Moderate	Low
Ix:									
Norway	---	---	---	---	0	---	High	Low	Low
LaA:									
Lane	---	---	---	---	0	---	Low	High	Moderate
LaB:									
Lane	---	---	---	---	0	---	Low	High	Moderate
LoA:									
Lowry	---	---	---	---	0	---	Moderate	Moderate	Low
LoB:									
Lowry	---	---	---	---	0	---	Moderate	Moderate	Low
LoC:									
Lowry	---	---	---	---	0	---	Moderate	Moderate	Low
LrF:									
Lowry	---	---	---	---	0	---	Moderate	Moderate	Low
Gavins	Bedrock (paralithic)	10-20	---	---	0	---	Moderate	Moderate	High

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
LsD:									
Lowry	---	---	---	---	0	---	Moderate	Moderate	Low
Sully	---	---	---	---	0	---	Moderate	High	Low
M-W:									
Miscellaneous Water Area	---	---	---	---	---	---	---	---	---
MeE:									
Meadin	---	---	---	---	0	---	Low	Low	Moderate
Mo:									
Mobridge	---	---	---	---	0	---	Moderate	High	Low
Mu:									
Munjor	---	---	---	---	0	---	Low	Moderate	Low
OeF:									
Okaton	Bedrock (paralithic)	8-20	---	---	0	---	Low	High	High
Oh:									
Onawa	---	---	---	---	0	---	High	High	Low
Om:									
Onawa	---	---	---	---	0	---	High	High	Low
On:									
Onita	---	---	---	---	0	---	High	High	Low
Oo:									
Onita	---	---	---	---	0	---	High	High	Low
Davison	---	---	---	---	0	---	High	High	Moderate
Or:									
Orthents, Loamy	---	---	---	---	0	---	Moderate	Moderate	Low
Os:									
Onita	---	---	---	---	0	---	High	High	Low
Hoven	---	---	---	---	0	---	Moderate	High	Moderate
Ot:									
Onita	---	---	---	---	0	---	High	High	Low
Tetonka	---	---	---	---	0	---	High	High	Moderate
Pg:									
Orthents, Gravelly	---	---	---	---	0	---	Low	Moderate	Low
PoA:									
Promise	---	---	---	---	0	---	Low	High	Low
PoB:									
Promise	---	---	---	---	0	---	Low	High	Low
Pr:									
Prosper	---	---	---	---	0	---	High	High	Moderate
Sa:									
Salmo	---	---	---	---	0	---	High	High	High
Sm:									
Salmo	---	---	---	---	0	---	High	High	High
Napa	---	---	---	---	0	---	Moderate	High	Moderate
SnF:									
Sansarc	Bedrock (paralithic)	4-20	---	---	0	---	Low	High	Moderate

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	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	In		In	In			
SoF:									
Sansarc	Bedrock (paralithic)	4–20	---	---	0	---	Low	High	Moderate
Boyd	Bedrock (paralithic)	20–40	---	---	0	---	Low	High	Moderate
SrF:									
Sansarc	Bedrock (paralithic)	4–20	---	---	0	---	Low	High	Moderate
Rock Outcrop, Soft	Bedrock (paralithic)	0–1	---	---	0	---	Low	Moderate	Low
SuE:									
Sully	---	---	---	---	0	---	Moderate	High	Low
TaC:									
Talmo	---	---	---	---	0	---	Low	Moderate	Low
TbE:									
Talmo	---	---	---	---	0	---	Low	Moderate	Low
Betts	---	---	---	---	0	---	Moderate	High	Moderate
Te:									
Tetonka	---	---	---	---	0	---	High	High	Moderate
Tn:									
Tetonka	---	---	---	---	0	---	High	High	Moderate
Chancellor	---	---	---	---	0	---	High	High	Moderate
W:									
Water	---	---	---	---	---	---	---	---	---
Wd:									
Wendte Variant	---	---	---	---	0	---	High	High	Moderate
Wo:									
Worthing	---	---	---	---	0	---	High	High	Moderate
Wp:									
Worthing	---	---	---	---	0	---	High	High	High