

Section II
Soil and Site Information

Soil Features
Brule and Buffalo Counties,
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
Ar: Artesian-----	---	In	In	---	0	---	Low	High	Moderate
BeB: Beadle-----	---	---	---	---	0	---	Low	High	Moderate
BeC: Beadle-----	---	---	---	---	0	---	Low	High	Moderate
BgB: Beadle-----	---	---	---	---	0	---	Low	High	Moderate
Jerault-----	---	---	---	---	0	---	Low	High	Moderate
BmF: Betts-----	---	---	---	---	0	---	Moderate	High	Moderate
Java-----	---	---	---	---	0	---	Moderate	High	Moderate
Bn: Bon-----	---	---	---	---	0	---	Moderate	Moderate	Low
Bo: Bon-----	---	---	---	---	0	---	High	Moderate	Low
Bu: Bullcreek-----	---	---	---	---	0	---	Low	High	High
Ca: Carter-----	---	---	---	---	0	---	Low	High	Moderate
Cp: Carter-----	---	---	---	---	0	---	Low	High	Moderate
Promise-----	---	---	---	---	0	---	Low	High	Low
Cr: Cavo-----	---	---	---	---	0	---	Low	High	Moderate
Jerault-----	---	---	---	---	0	---	Low	High	Moderate
CsD: Chantier-----	Bedrock (paralithic)	10-20	---	---	0	---	Low	High	Moderate
Sansarc-----	Bedrock (paralithic)	4-20	---	---	0	---	Low	High	Moderate
DaA: Degrey-----	---	---	---	---	0	---	Low	High	Moderate
Eakin-----	---	---	---	---	0	---	Moderate	High	Moderate
Jerault-----	---	---	---	---	0	---	Low	High	Moderate
DeD: Delmont-----	---	---	---	---	0	---	Low	Moderate	Low
Do: Dorna-----	---	---	---	---	0	---	Moderate	High	Moderate
Du: Durrstein-----	---	---	---	---	0	---	Moderate	High	High
EaA: Eakin-----	---	---	---	---	0	---	Moderate	High	Moderate
Degrey-----	---	---	---	---	0	---	Low	High	Moderate
Eg: Egas-----	---	---	---	---	0	---	High	High	Moderate
Ew: Egas Variant-----	---	---	---	---	0	---	High	High	High

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Fa: Farmsworth-----	---	In	In	---	0	---	Moderate	High	Moderate
GeE: Gettys-----	---	---	---	---	0	---	Low	High	Moderate
GeF: Gettys-----	---	---	---	---	0	---	Low	High	Moderate
GhA: Glenham-----	---	---	---	---	0	---	Moderate	High	Moderate
GkB: Glenham-----	---	---	---	---	0	---	Moderate	High	Moderate
Java-----	---	---	---	---	0	---	Moderate	High	Moderate
HgB: Highmore-----	---	---	---	---	0	---	Moderate	High	Low
Java-----	---	---	---	---	0	---	Moderate	High	Moderate
HgC: Highmore-----	---	---	---	---	0	---	Moderate	High	Low
Java-----	---	---	---	---	0	---	Moderate	High	Moderate
HmA: Highmore-----	---	---	---	---	0	---	Moderate	High	Low
Mobridge-----	---	---	---	---	0	---	Moderate	High	Low
HoB: Hurley-----	Bedrock (paralithic)	20-40	---	---	0	---	Low	High	Moderate
HsA: Hurley-----	Bedrock (paralithic)	20-40	---	---	0	---	Low	High	Moderate
Slickspots, Dry-----	Bedrock (paralithic)	40-60	---	---	0	---	High	High	Moderate
JbE: Java-----	---	---	---	---	0	---	Moderate	High	Moderate
Betts-----	---	---	---	---	0	---	Moderate	High	Moderate
JgC: Java-----	---	---	---	---	0	---	Moderate	High	Moderate
Glenham-----	---	---	---	---	0	---	Moderate	High	Moderate
Ko: Kolls-----	---	---	---	---	0	---	Moderate	High	Moderate
La: Lane-----	---	---	---	---	0	---	Low	High	Moderate
Lf: Lane-----	---	---	---	---	0	---	Low	High	Moderate
Farmsworth-----	---	---	---	---	0	---	Moderate	High	Moderate
LoA: Lowry-----	---	---	---	---	0	---	Moderate	Moderate	Low
LoB: Lowry-----	---	---	---	---	0	---	Moderate	Moderate	Low
LvA: Lowry Variant-----	---	---	---	---	0	---	Moderate	High	Low
LvB: Lowry Variant-----	---	---	---	---	0	---	Moderate	High	Low

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		In	In		In	In			
M-W: Miscellaneous Water----	---	---	---	---	---	---	---	---	---
MaB: Mcclure-----	---	---	---	---	0	---	Low	High	Low
MaC: Mcclure-----	---	---	---	---	0	---	Low	High	Low
MbA: Millboro-----	---	---	---	---	0	---	Low	High	Moderate
MbB: Millboro-----	---	---	---	---	0	---	Low	High	Moderate
MbC: Millboro-----	---	---	---	---	0	---	Low	High	Moderate
MoA: Mobridge-----	---	---	---	---	0	---	Moderate	High	Low
Mp: Mobridge-----	---	---	---	---	0	---	Moderate	High	Low
Plankinton-----	---	---	---	---	0	---	Moderate	High	Moderate
Oa: Oahe-----	---	---	---	---	0	---	Low	Moderate	Low
OdB: Oahe-----	---	---	---	---	0	---	Low	Moderate	Low
Delmont-----	---	---	---	---	0	---	Low	Moderate	Low
OeF: Okaton-----	Bedrock (paralithic)	8-20	---	---	0	---	Low	High	High
OkB: Oko-----	---	---	---	---	0	---	Low	High	Moderate
OmB: Opal-----	Bedrock (paralithic)	20-40	---	---	0	---	Low	High	Moderate
OmC: Opal-----	Bedrock (paralithic)	20-40	---	---	0	---	Low	High	Moderate
OpB: Opal-----	Bedrock (paralithic)	20-40	---	---	0	---	Low	High	High
Or: Orthents, Loamy-----	---	---	---	---	0	---	Moderate	Moderate	Low
OtA: Orton-----	---	---	---	---	0	---	Low	Low	Low
OtB: Orton-----	---	---	---	---	0	---	Low	Low	Low
OwE: Orton-----	---	---	---	---	0	---	Low	Low	Low
Schamber-----	---	---	---	---	0	---	Low	Moderate	Low
Pa: Plankinton-----	---	---	---	---	0	---	Moderate	High	Moderate
PrA: Promise-----	---	---	---	---	0	---	Low	High	Low
PrB: Promise-----	---	---	---	---	0	---	Low	High	Low

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		In	In		In	In			
ReA: Ree-----	---	---	---	---	0	---	Moderate	High	Low
ReB: Ree-----	---	---	---	---	0	---	Moderate	High	Low
RsF: Rock Outcrop, Soft----	Bedrock (paralithic)	0-1	---	---	0	---	Low	Moderate	Low
Sansarc-----	Bedrock (paralithic)	4-20	---	---	0	---	Low	High	Moderate
SaE: Sansarc-----	Bedrock (paralithic)	4-20	---	---	0	---	Low	High	Moderate
Opal-----	Bedrock (paralithic)	20-40	---	---	0	---	Low	High	Moderate
SaF: Sansarc-----	Bedrock (paralithic)	4-20	---	---	0	---	Low	High	Moderate
Opal-----	Bedrock (paralithic)	20-40	---	---	0	---	Low	High	Moderate
ScE: Schamber-----	---	---	---	---	0	---	Low	Moderate	Low
SdF: Sully-----	---	---	---	---	0	---	Moderate	High	Low
SoC: Sully-----	---	---	---	---	0	---	Moderate	High	Low
Lowry-----	---	---	---	---	0	---	Moderate	Moderate	Low
SoE: Sully-----	---	---	---	---	0	---	Moderate	High	Low
Lowry-----	---	---	---	---	0	---	Moderate	Moderate	Low
SsE: Sully-----	---	---	---	---	0	---	Moderate	High	Low
Schamber-----	---	---	---	---	0	---	Low	Moderate	Low
UaA: Uly-----	---	---	---	---	0	---	Moderate	High	Low
UaB: Uly-----	---	---	---	---	0	---	Moderate	High	Low
UaC: Uly-----	---	---	---	---	0	---	Moderate	High	Low
Us: Orthents, Loamy-----	---	---	---	---	0	---	Moderate	Moderate	Low
Orthents, Shaly-----	Bedrock (paralithic)	4-10	---	---	0	---	Low	High	Moderate
W: Water-----	---	---	---	---	---	---	---	---	---
Wd: Wendte-----	---	---	---	---	0	---	Low	High	Low
We: Wendte-----	---	---	---	---	0	---	Low	High	Low
Wo: Worthing-----	---	---	---	---	0	---	High	High	Moderate

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Wp: Worthing-----	---	In ---	In ---	---	In 0	In ---	High	High	High