

Section II
Soil and Site Information

Building Site Development
Day County, South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.01 to 1.00. The larger the value, the greater the limitation.)

Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Aa: Aastad-----	85	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.90	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
An: Aberdeen-----	50	Very limited Low strength Shrink-swell	1.00 1.00	Very limited Cutbanks cave Depth to saturated zone	1.00 0.47	Not limited	
		Frost action	0.50	Too clayey	0.12		
Nahon-----	35	Very limited Low strength Shrink-swell	1.00 1.00	Very limited Cutbanks cave Depth to saturated zone	1.00 0.47	Very limited Sodium content	1.00
		Frost action	0.50	Too clayey	0.12		
Aq: Aquents, Saline-----	95	Very limited Ponding Depth to saturated zone	1.00 1.00	Very limited Ponding Depth to saturated zone	1.00 1.00	Very limited Ponding Salinity	1.00 1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Low strength Shrink-swell	1.00 0.50				
ArB: Arvilla-----	85	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.19
Ba: Bearden-----	90	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
BaB: Bearden-----	50	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Huffton-----	40	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
BbA: Beotia-----	90	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
Bc: Beotia-----	50	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
Rondell-----	35	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 0.47	Not limited	
BnD: Buse-----	50	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Barnes-----	40	Somewhat limited Slope Shrink-swell Frost action Low strength	0.63 0.50 0.50 0.22	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
BoE: Buse-----	50	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Barnes-----	40	Very limited Slope Shrink-swell Frost action Low strength	1.00 0.50 0.50 0.22	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BpE: Buse-----	40	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Barnes-----	35	Very limited Slope Shrink-swell Frost action Low strength	1.00 0.50 0.50 0.22	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Parnell-----	20	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00 0.28 0.10	Very limited Ponding Depth to saturated zone	1.00 1.00
BrE: Buse-----	50	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Langhei-----	40	Very limited Slope Low strength Frost action	1.00 1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
BsE: Buse-----	35	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
La Prairie-----	30	Very limited Flooding Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Somewhat limited Flooding Depth to saturated zone Cutbanks cave	0.60 0.47 0.10	Somewhat limited Flooding	0.60

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Barnes-----	25	Very limited Slope Shrink-swell Frost action Low strength	1.00 0.50 0.50 0.22	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
BxE: Buse-----	55	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Sioux-----	30	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty Gravel content	1.00 0.74 0.25
Ca: Cavour-----	50	Very limited Shrink-swell Low strength Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.47 0.10 0.03	Very limited Sodium content	1.00
Ferney-----	35	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.47 0.10 0.03	Very limited Sodium content	1.00
Cn: Colvin-----	80	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Very limited Depth to saturated zone	1.00
Cr: Cresbard-----	50	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Cutbanks cave Too clayey	0.47 0.10 0.03	Not limited	

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Cavour-----	40	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone	0.47	Very limited Sodium content	1.00
		Low strength Frost action	1.00 0.50	Cutbanks cave Too clayey	0.10 0.03		
Cu: Cubden-----	85	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
Cw: Cubden-----	55	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
Badger-----	35	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	0.75
		Low strength Shrink-swell	1.00	Cutbanks cave	0.10		
		Depth to saturated zone	0.75	Too clayey	0.03		
Cx: Cubden-----	45	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
Tonka-----	35	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00	Ponding	1.00	Ponding	1.00
		Low strength Shrink-swell	1.00	Cutbanks cave	0.10		
		Ponding	1.00				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Dd: Divide-----	80	Somewhat limited Frost action	0.50	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Not limited	
Do: Dovray-----	85	Very limited Ponding Depth to saturated zone Low strength Shrink-swell Frost action	1.00 1.00 1.00 1.00 0.50	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00 0.50 0.10	Very limited Ponding Depth to saturated zone Too clayey	1.00 1.00 1.00
EaA: Eckman-----	90	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
EbB: Eckman-----	55	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
Gardena-----	35	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone Cutbanks cave	0.61 0.10	Not limited	
EcB: Eckman-----	65	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
Zell-----	25	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
EdC: Edgeley-----	85	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Depth to soft bedrock Cutbanks cave	0.42 0.10	Somewhat limited Depth to bedrock	0.42
EgB: Egeland-----	60	Not limited		Very limited Cutbanks cave	1.00	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Embden-----	30	Somewhat limited Frost action	0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
En: Exline-----	40	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 1.00 0.12	Very limited Sodium content	1.00
Aberdeen-----	25	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 0.47 0.12	Not limited	
Nahon-----	20	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 0.47 0.12	Very limited Sodium content	1.00
Ep: Exline-----	45	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 0.47 0.12	Very limited Sodium content	1.00
Putney-----	40	Very limited Frost action Low strength	1.00 1.00	Very limited Cutbanks cave	1.00	Not limited	
Fd: Fordville-----	85	Somewhat limited Low strength Shrink-swell	0.78 0.50	Very limited Cutbanks cave	1.00	Not limited	
FmA: Forman-----	50	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Aastad-----	40	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.90	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
FmB: Forman-----	55	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Aastad-----	35	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.90	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
FnB: Forman-----	40	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Aastad-----	30	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.90	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
Parnell-----	20	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00 0.28 0.10	Very limited Ponding Depth to saturated zone	1.00 1.00
FOB: Forman-----	40	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Buse-----	30	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Aastad-----	20	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.90	Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
FoC: Forman-----	40	Somewhat limited		Somewhat limited		Not limited	
		Low strength	0.78	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
Buse-----	30	Somewhat limited		Somewhat limited		Not limited	
		Low strength	0.78	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
Aastad-----	20	Very limited		Somewhat limited		Not limited	
		Low strength	1.00	Depth to saturated zone	0.90		
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Frost action	0.50				
FpB: Forman-----	45	Somewhat limited		Somewhat limited		Not limited	
		Low strength	0.78	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
Buse-----	30	Somewhat limited		Somewhat limited		Not limited	
		Low strength	0.78	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				
Parnell-----	20	Very limited		Very limited		Very limited	
		Ponding	1.00	Ponding	1.00	Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
FpC: Forman-----	45	Somewhat limited		Somewhat limited		Not limited	
		Low strength	0.78	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Frost action	0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Buse-----	30	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Parnell-----	20	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Too clayey Cutbanks cave	1.00 1.00 0.28 0.10	Very limited Ponding Depth to saturated zone	1.00 1.00
Gb: Great Bend-----	90	Very limited Frost action Low strength	1.00 1.00	Very limited Cutbanks cave	1.00	Not limited	
Gp: Great Bend-----	50	Very limited Frost action Low strength	1.00 1.00	Very limited Cutbanks cave	1.00	Not limited	
Putney-----	35	Very limited Frost action Low strength	1.00 1.00	Very limited Cutbanks cave	1.00	Not limited	
GzC: Great Bend-----	35	Very limited Frost action Low strength	1.00 1.00	Very limited Cutbanks cave	1.00	Not limited	
Zell-----	30	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
Huffton-----	20	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
HaA: Hamerly-----	80	Very limited Frost action Low strength Shrink-swell	1.00 0.78 0.50	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HaB: Hamerly-----	80	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Not limited	
		Low strength Shrink-swell	0.78 0.50	Cutbanks cave	0.10		
Hb: Hamerly-----	50	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Not limited	
		Low strength Shrink-swell	0.78 0.50	Cutbanks cave	0.10		
Parnell-----	40	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Too clayey	0.28		
		Low strength Shrink-swell	1.00 1.00	Cutbanks cave	0.10		
Hd: Harmony-----	50	Very limited Low strength Shrink-swell	1.00 1.00	Very limited Cutbanks cave	1.00	Not limited	
		Frost action	0.50	Depth to saturated zone	0.47		
				Too clayey	0.03		
Aberdeen-----	35	Very limited Low strength Shrink-swell	1.00 1.00	Very limited Cutbanks cave	1.00	Not limited	
		Frost action	0.50	Depth to saturated zone	0.47		
				Too clayey	0.12		
Hm: Harmony-----	55	Very limited Low strength Shrink-swell	1.00 1.00	Very limited Cutbanks cave	1.00	Not limited	
		Frost action	0.50	Depth to saturated zone	0.47		
				Too clayey	0.03		
Beotia-----	35	Very limited Frost action	1.00	Very limited Cutbanks cave	1.00	Not limited	
		Low strength Shrink-swell	1.00 0.50				

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Hr: Harriet-----	85	Very limited Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Sodium content Depth to saturated zone Flooding	1.00 1.00 0.60
HtA: Hetland-----	85	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
HuB: Hetland-----	50	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
Rusklyn-----	40	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
KbE: Kloten-----	50	Very limited Depth to soft bedrock Slope Low strength Shrink-swell Frost action	1.00 1.00 0.78 0.50 0.50	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty Content of large stones	1.00 1.00 0.98 0.01
Buse-----	35	Very limited Slope Low strength Shrink-swell Frost action	1.00 0.78 0.50 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
KrB: Kranzburg-----	40	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Brookings-----	30	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
Buse-----	20	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Ks: Kranzburg-----	60	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Brookings-----	25	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
KtB: Kranzburg-----	50	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Forman-----	40	Somewhat limited Low strength Shrink-swell Frost action	0.78 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
La: La Prairie-----	90	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Shrink-swell Frost action Flooding	0.50 0.50 0.40	Cutbanks cave	0.10		

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lh: La Prairie-----	50	Very limited Flooding Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Somewhat limited Flooding Depth to saturated zone Cutbanks cave	0.60 0.47 0.10	Somewhat limited Flooding	0.60
Holmquist-----	40	Very limited Flooding Depth to saturated zone Shrink-swell Frost action Low strength	1.00 1.00 0.50 0.50 0.22	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.80 0.10	Very limited Flooding Depth to saturated zone	1.00 1.00
Lm: Lamoure-----	85	Very limited Frost action Flooding Low strength Depth to saturated zone Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding Cutbanks cave	1.00 0.60 0.10	Very limited Depth to saturated zone Flooding	1.00 0.60
Lo: Lowe-----	85	Very limited Frost action Flooding Depth to saturated zone Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
Lu: Ludden-----	80	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Ponding Flooding Too clayey	1.00 1.00 1.00 0.80 0.50	Very limited Flooding Depth to saturated zone Too clayey Ponding	1.00 1.00 1.00

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lw: Ludden-----	90	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Ponding Flooding Too clayey	1.00 1.00 1.00 0.80 0.50	Very limited Flooding Depth to saturated zone Too clayey Ponding	1.00 1.00 1.00 1.00
Lx: Ludden-----	50	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Ponding Flooding Too clayey	1.00 1.00 1.00 0.80 0.50	Very limited Flooding Depth to saturated zone Too clayey Ponding	1.00 1.00 1.00 1.00
Ludden-----	40	Very limited Frost action Flooding Low strength Shrink-swell Depth to saturated zone	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Flooding Too clayey	1.00 1.00 0.80 0.50	Very limited Flooding Depth to saturated zone Too clayey Salinity Droughty	1.00 1.00 1.00 0.50 0.31
MaA: Maddock-----	50	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Egeland-----	40	Not limited		Very limited Cutbanks cave	1.00	Not limited	
MaB: Maddock-----	50	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Egeland-----	40	Not limited		Very limited Cutbanks cave	1.00	Not limited	
MaC: Maddock-----	55	Somewhat limited Slope	0.04	Very limited Cutbanks cave Slope	1.00 0.04	Somewhat limited Slope	0.04

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Egeland-----	35	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Md: Marysland-----	50	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Flooding	1.00	Cutbanks cave	1.00	Flooding	0.60
		Depth to saturated zone	1.00	Flooding	0.60		
		Shrink-swell	0.50				
		Low strength	0.22				
Divide-----	40	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
				Depth to saturated zone	1.00		
MfB: Mauvais-----	85	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.03
		Low strength	1.00	Cutbanks cave	0.10	Salinity	0.01
		Shrink-swell	0.50				
		Depth to saturated zone	0.03				
MgB: Mauvais-----	80	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.03
		Low strength	1.00	Cutbanks cave	0.10	Salinity	0.01
		Shrink-swell	0.50				
		Depth to saturated zone	0.03				
MnA: Minnewasta-----	80	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.43
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Depth to saturated zone	0.43				

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
MoB: Minnewasta-----	80	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.43
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Depth to saturated zone	0.43				
Mw: Minnewaukan-----	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Ponding	1.00	Cutbanks cave	1.00	Ponding	1.00
		Frost action	0.50	Ponding	1.00	Droughty	0.34
Na: Nahon-----	45	Very limited Low strength	1.00	Very limited Cutbanks cave	1.00	Very limited Sodium content	1.00
		Shrink-swell	1.00	Depth to saturated zone	0.47		
		Frost action	0.50	Too clayey	0.12		
Aberdeen-----	25	Very limited Low strength	1.00	Very limited Cutbanks cave	1.00	Not limited	
		Shrink-swell	1.00	Depth to saturated zone	0.47		
		Frost action	0.50	Too clayey	0.12		
Exline-----	20	Very limited Low strength	1.00	Very limited Cutbanks cave	1.00	Very limited Sodium content	1.00
		Shrink-swell	1.00	Depth to saturated zone	1.00		
		Frost action	0.50	Too clayey	0.12		
NsB: Nutley-----	60	Very limited Shrink-swell	1.00	Very limited Cutbanks cave	1.00	Very limited Too clayey	1.00
		Low strength	1.00	Too clayey	0.28		
		Frost action	0.50				
Sinai-----	30	Very limited Shrink-swell	1.00	Very limited Cutbanks cave	1.00	Very limited Too clayey	1.00
		Low strength	1.00	Too clayey	0.72		

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Oh: Oldham-----	90	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
		Depth to saturated zone	1.00				
Or: Orthents, Gravelly--	90	Very limited Slope	1.00	Very limited Cutbanks cave	1.00	Very limited Slope	1.00
				Slope	1.00	Droughty	0.42
						Gravel content	0.25
Pa: Parnell-----	85	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Frost action	1.00	Too clayey	0.28		
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	1.00				
Pc: Playmoor-----	90	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Flooding	0.80	Salinity	1.00
		Depth to saturated zone	1.00				
		Shrink-swell	0.50				
Pm: Playmoor-----	50	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Flooding	0.80	Salinity	1.00
		Depth to saturated zone	1.00				
		Shrink-swell	0.50				

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lamoure-----	40	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Flooding	1.00	Flooding	0.80	Depth to saturated zone	1.00
		Low strength Depth to saturated zone	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
PrC: Poinsett-----	50	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
Rusklyn-----	35	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
PsB: Poinsett-----	40	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
Rusklyn-----	30	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				
Waubay-----	15	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
PwA: Poinsett-----	50	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength	1.00				
		Shrink-swell	0.50				

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Waubay-----	40	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
PwB: Poinsett-----	60	Very limited Frost action	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Low strength Shrink-swell	1.00 0.50				
Waubay-----	30	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.47	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
Ra: Ranslo-----	50	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Flooding	0.60
		Flooding	1.00	Flooding	0.60	Depth to saturated zone	0.19
		Low strength Shrink-swell	1.00 1.00	Cutbanks cave	0.10		
		Depth to saturated zone	0.19	Too clayey	0.03		
Harriet-----	40	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Sodium content	1.00
		Frost action	1.00	Flooding	0.60	Depth to saturated zone	1.00
		Flooding	1.00	Cutbanks cave	0.10	Flooding	0.60
		Low strength Shrink-swell	1.00 0.50	Too clayey	0.03		
Rb: Rauville-----	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Flooding	1.00
		Frost action	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Flooding	1.00	Flooding	0.80		
		Low strength Shrink-swell	1.00 0.50				

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
RfA: Renshaw-----	50	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Fordville-----	35	Somewhat limited Low strength Shrink-swell	0.78 0.50	Very limited Cutbanks cave	1.00	Not limited	
RfB: Renshaw-----	65	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Fordville-----	25	Somewhat limited Low strength Shrink-swell	0.78 0.50	Very limited Cutbanks cave	1.00	Not limited	
RsA: Renshaw-----	60	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Sioux-----	30	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty Gravel content	0.74 0.25
RsB: Renshaw-----	55	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Sioux-----	35	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty Gravel content	0.74 0.25
Ru: Ryan-----	55	Very limited Depth to saturated zone Flooding Low strength Shrink-swell Ponding	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Ponding Too clayey Flooding	1.00 1.00 1.00 0.72 0.60	Very limited Depth to saturated zone Ponding Flooding	1.00 1.00 0.60

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ludden-----	30	Very limited Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone Cutbanks cave	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00
		Flooding Low strength Shrink-swell	1.00 1.00 1.00	Ponding Flooding Too clayey	1.00 0.80 0.50	Too clayey Ponding	1.00 1.00
SaA: Sinai-----	60	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Cutbanks cave Too clayey	1.00 0.72	Very limited Too clayey	1.00
Nutley-----	30	Very limited Shrink-swell Low strength Frost action	1.00 1.00 0.50	Very limited Cutbanks cave Too clayey	1.00 0.28	Very limited Too clayey	1.00
SbB: Sioux-----	90	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty Gravel content	0.74 0.25
SoB: Sioux-----	90	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty Gravel content	0.74 0.25
SrD: Sioux-----	50	Somewhat limited Slope	0.63	Very limited Cutbanks cave Slope	1.00 0.63	Somewhat limited Droughty Slope Gravel content	0.74 0.63 0.25
Renshaw-----	40	Somewhat limited Slope	0.63	Very limited Cutbanks cave Slope	1.00 0.63	Somewhat limited Slope	0.63
SrE: Sioux-----	60	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Droughty Gravel content	1.00 0.74 0.25
Renshaw-----	30	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope	1.00

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
SsE: Sioux-----	60	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty Gravel content	1.00 0.74 0.25
Renshaw-----	30	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope	1.00
Sw: Southam-----	90	Very limited Ponding Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Cutbanks cave Too clayey	1.00 1.00 0.10 0.03	Very limited Ponding Depth to saturated zone Salinity	1.00 1.00 0.13
To: Tonka-----	85	Very limited Depth to saturated zone Frost action Low strength Shrink-swell Ponding	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Ponding Cutbanks cave	1.00 1.00 0.10	Very limited Depth to saturated zone Ponding	1.00 1.00
Va: Vallars-----	90	Very limited Frost action Depth to saturated zone Low strength Flooding	1.00 1.00 0.78 0.40	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Very limited Salinity Depth to saturated zone	1.00 1.00
Vh: Vallars-----	60	Very limited Frost action Depth to saturated zone Low strength Flooding	1.00 1.00 0.78 0.40	Very limited Depth to saturated zone Cutbanks cave	1.00 0.10	Very limited Depth to saturated zone	1.00

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Map symbol and soil name	Pct. of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Hamerly-----	30	Very limited Frost action	1.00	Very limited Depth to saturated zone	1.00	Not limited	
		Low strength Shrink-swell	0.78 0.50	Cutbanks cave	0.10		
VoA: Vienna-----	60	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Brookings-----	30	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
VoB: Vienna-----	65	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Brookings-----	25	Very limited Frost action	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Low strength Shrink-swell	1.00 0.50	Cutbanks cave	0.10		
w: Water (less Than 40 Acres)-----	100	Not rated		Not rated		Not rated	