

Section II
Soil and Site Information

Building Site Development
Haakon 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
Ab: Albaton-----	90	Very limited Shrink-swell	1.00	Very limited Depth to saturated zone	1.00	Very limited Too clayey	1.00
		Depth to saturated zone	1.00	Ponding	1.00	Flooding	1.00
		Frost action	1.00	Flooding	0.80	Depth to saturated zone	1.00
		Flooding	1.00	Too clayey	0.72	Ponding	1.00
		Low strength	1.00	Cutbanks cave	0.10		
Ar: Arvada-----	90	Very limited Shrink-swell	1.00	Somewhat limited Too clayey	0.28	Very limited Sodium content	1.00
		Low strength	1.00	Cutbanks cave	0.10	Droughty	0.01
As: Arvada-----	60	Very limited Shrink-swell	1.00	Somewhat limited Too clayey	0.28	Very limited Sodium content	1.00
		Low strength	1.00	Cutbanks cave	0.10	Droughty	0.01
Slickspots, Dry-----	30	Not rated		Not rated		Not rated	
Bc: Bankard-----	90	Somewhat limited Flooding	0.40	Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.64
Bd: Bankard-----	90	Very limited Flooding	1.00	Very limited Cutbanks cave	1.00	Somewhat limited Flooding	0.60
				Flooding	0.60	Droughty	0.01
BkA: Blackpipe-----	90	Very limited Low strength	1.00	Somewhat limited Depth to soft bedrock	0.42	Somewhat limited Depth to bedrock	0.42
		Shrink-swell	0.50	Cutbanks cave	0.10		
				Too clayey	0.03		

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BkB: Blackpipe-----	85	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Depth to soft bedrock Cutbanks cave Too clayey	0.42 0.10 0.03	Somewhat limited Depth to bedrock	0.42
Bo: Blackpipe-----	55	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Depth to soft bedrock Cutbanks cave Too clayey	0.42 0.10 0.03	Somewhat limited Depth to bedrock	0.42
Wortman-----	35	Somewhat limited Low strength Shrink-swell	0.78 0.50	Somewhat limited Depth to soft bedrock Cutbanks cave Too clayey	0.42 0.10 0.03	Very limited Sodium content Depth to bedrock	1.00 0.42
Bu: Bullcreek-----	85	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Cutbanks cave	1.00 1.00	Very limited Too clayey Sodium content	1.00 1.00
Bx: Bullcreek-----	60	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Cutbanks cave	1.00 1.00	Very limited Too clayey Sodium content	1.00 1.00
Slickspots, Dry----	35	Not rated		Not rated		Not rated	
Ca: Canning-----	90	Somewhat limited Shrink-swell Low strength	0.50 0.22	Very limited Cutbanks cave	1.00	Not limited	
CbA: Capa-----	85	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Depth to saturated zone Cutbanks cave	1.00 0.47 0.10	Very limited Sodium content	1.00

Section II
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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Cc: Capa-----	55	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Depth to saturated zone Cutbanks cave	1.00 0.47 0.10	Very limited Sodium content	1.00
Slickspots, Dry----	35	Not rated		Not rated		Not rated	
Ct: Capa-----	50	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Depth to saturated zone Cutbanks cave	1.00 0.47 0.10	Very limited Sodium content	1.00
Wendte-----	35	Very limited Shrink-swell Flooding Low strength	1.00 1.00 1.00	Somewhat limited Flooding Too clayey Depth to saturated zone Cutbanks cave	0.60 0.50 0.47 0.10	Very limited Too clayey Flooding	1.00 0.60
Cv: Craft-----	85	Somewhat limited Flooding	0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
Eg: Egas-----	85	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 Flooding Cutbanks cave Too clayey	1.00 0.60 0.10 0.03	Very limited Salinity Depth to saturated zone Flooding	1.00 1.00 0.60
Ha: Haverson-----	90	Somewhat limited Shrink-swell Flooding	0.50 0.40	Very limited Cutbanks cave	1.00	Not limited	

Section II
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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Hb: Haverson-----	90	Very limited Flooding Low strength Shrink-swell	1.00 0.78 0.50	Very limited Cutbanks cave Flooding	1.00 0.80	Very limited Flooding	1.00
Hc: Haverson-----	50	Somewhat limited Shrink-swell Flooding	0.50 0.40	Very limited Cutbanks cave	1.00	Not limited	
Craft-----	40	Somewhat limited Flooding	0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
Ho: Hilmoe-----	90	Very limited Low strength Shrink-swell Flooding	1.00 1.00 0.40	Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Very limited Too clayey	1.00
HpB: Hisle-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Too clayey Depth to soft bedrock Cutbanks cave	0.88 0.42 0.10	Very limited Sodium content Droughty Depth to bedrock	1.00 0.72 0.42
Hv: Hoven-----	90	Very limited Depth to saturated zone Shrink-swell Low strength Ponding Frost action	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Ponding Too clayey Cutbanks cave	1.00 1.00 0.28 0.10	Very limited Depth to saturated zone Sodium content Ponding	1.00 1.00 1.00
KeA: Kirley-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
KeB: Kirley-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	

Section II
Soil and Site Information

Building Site Development
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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
KeD: Kirley-----	90	Very limited Shrink-swell Low strength Slope	1.00 1.00 0.63	Somewhat limited Slope Cutbanks cave Too clayey	0.63 0.10 0.03	Somewhat limited Slope	0.63
KfB: Kirley-----	50	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
Canning-----	40	Somewhat limited Shrink-swell Low strength	0.50 0.22	Very limited Cutbanks cave	1.00	Not limited	
KhA: Kirley-----	60	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
Mosher-----	30	Very limited Shrink-swell Low strength Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Too clayey Cutbanks cave	0.61 0.28 0.10	Very limited Sodium content	1.00
KhB: Kirley-----	70	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
Mosher-----	25	Very limited Shrink-swell Low strength Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Too clayey Cutbanks cave	0.61 0.28 0.10	Very limited Sodium content	1.00
KmA: Kirley-----	45	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
Ottumwa-----	35	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Too clayey Cutbanks cave	0.72 0.10	Very limited Too clayey	1.00

Section II
Soil and Site Information

Building Site Development
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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
KmB: Kirley-----	45	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
Ottumwa-----	35	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Too clayey Cutbanks cave	0.72 0.10	Very limited Too clayey	1.00
KmC: Kirley-----	45	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
Ottumwa-----	35	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Too clayey Cutbanks cave	0.72 0.10	Very limited Too clayey	1.00
KmD: Kirley-----	55	Very limited Shrink-swell Low strength Slope	1.00 1.00 0.63	Somewhat limited Slope Cutbanks cave Too clayey	0.63 0.10 0.03	Somewhat limited Slope	0.63
Vivian-----	30	Somewhat limited Slope	0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Gravel content Slope Droughty	0.41 0.37 0.03
Ko: Kolls-----	90	Very limited Shrink-swell Low strength Depth to saturated zone Ponding Frost action	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Too clayey Cutbanks cave Ponding	1.00 1.00 1.00 1.00	Very limited Too clayey Depth to saturated zone Ponding	1.00 1.00 1.00
KyA: Kyle-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Cutbanks cave	1.00 1.00	Very limited Too clayey Droughty	1.00 0.01

Section II
Soil and Site Information

Building Site Development
Haakon County, South Dakota

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
KyB: Kyle-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Cutbanks cave	1.00 1.00	Very limited Too clayey Droughty	1.00 0.01
LaB: Lakoma-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Too clayey Depth to soft bedrock Cutbanks cave	0.72 0.42 0.10	Very limited Too clayey Droughty Depth to bedrock	1.00 0.66 0.42
LaC: Lakoma-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Too clayey Depth to soft bedrock Cutbanks cave	0.72 0.42 0.10	Very limited Too clayey Droughty Depth to bedrock	1.00 0.66 0.42
LaD: Lakoma-----	85	Very limited Shrink-swell Low strength Slope	1.00 1.00 0.63	Somewhat limited Too clayey Slope Depth to soft bedrock Cutbanks cave	0.72 0.63 0.42 0.10	Very limited Too clayey Droughty Slope Depth to bedrock	1.00 0.66 0.63 0.42
LbE: Lakoma-----	50	Very limited Shrink-swell Low strength Slope	1.00 1.00 0.63	Somewhat limited Too clayey Slope Depth to soft bedrock Cutbanks cave	0.72 0.63 0.42 0.10	Very limited Too clayey Droughty Slope Depth to bedrock	1.00 0.66 0.63 0.42
Vivian-----	30	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Gravel content Droughty	1.00 0.41 0.03
Lo: Lohmiller-----	90	Very limited Low strength Shrink-swell Flooding	1.00 1.00 0.40	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Very limited Too clayey	1.00

Section II
Soil and Site Information

Building Site Development
Haakon County, South Dakota

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lp: Lohmiller-----	90	Very limited Flooding Low strength Shrink-swell	1.00 1.00 1.00	Somewhat limited Flooding Cutbanks cave Too clayey	0.60 0.10 0.03	Very limited Too clayey Flooding	1.00 0.60
Lv: Lohmiller-----	55	Very limited Low strength Shrink-swell Flooding	1.00 1.00 0.40	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Very limited Too clayey	1.00
Arvada-----	35	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Too clayey Cutbanks cave	0.28 0.10	Very limited Sodium content Droughty	1.00 0.01
MaE: Midway-----	85	Very limited Slope Depth to soft bedrock Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to soft bedrock Slope Cutbanks cave Too clayey	1.00 1.00 0.10 0.03	Very limited Depth to bedrock Slope Droughty	1.00 1.00 0.98
Mo: Mosher-----	85	Very limited Shrink-swell Low strength Frost action	1.00 1.00 0.50	Somewhat limited Depth to saturated zone Too clayey Cutbanks cave	0.61 0.28 0.10	Very limited Sodium content	1.00
Nb: Nimbro-----	90	Very limited Low strength Shrink-swell Frost action Flooding	1.00 0.50 0.50 0.40	Somewhat limited Cutbanks cave	0.10	Not limited	
Nc: Nimbro-----	90	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	0.80 0.47 0.10	Very limited Flooding	1.00

Section II
Soil and Site Information

Building Site Development
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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
NuA: Nunn-----	90	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	
NuB: Nunn-----	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	
NuC: Nunn-----	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	
NxD: Nunn-----	50	Very limited Low strength Shrink-swell Slope Frost action	1.00 1.00 0.63 0.50	Somewhat limited Slope Cutbanks cave Too clayey	0.63 0.10 0.03	Somewhat limited Slope	0.63
Nihill-----	35	Somewhat limited Frost action Slope	0.50 0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Slope Gravel content Droughty Content of large stones	0.37 0.33 0.04 0.01
ObE: Okaton-----	50	Very limited Shrink-swell Slope Depth to soft bedrock Low strength	1.00 1.00 1.00 1.00	Very limited Depth to soft bedrock Slope Too clayey Cutbanks cave	1.00 1.00 0.72 0.10	Very limited Too clayey Depth to bedrock Slope Droughty	1.00 1.00 1.00 1.00
Lakoma-----	40	Very limited Shrink-swell Slope Low strength	1.00 1.00 1.00	Very limited Slope Too clayey Depth to soft bedrock Cutbanks cave	1.00 0.72 0.42 0.10	Very limited Too clayey Slope Droughty Depth to bedrock	1.00 1.00 0.66 0.42

Section II
Soil and Site Information

Building Site Development
Haakon County, South Dakota

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Oc: Onita-----	90	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	1.00	Too clayey	0.03		
OdB: Opal-----	85	Very limited Shrink-swell	1.00	Very limited Cutbanks cave	1.00	Very limited Too clayey	1.00
		Low strength	1.00	Too clayey	0.88	Depth to bedrock	0.42
				Depth to soft bedrock	0.42	Droughty	0.17
OdC: Opal-----	85	Very limited Shrink-swell	1.00	Very limited Cutbanks cave	1.00	Very limited Too clayey	1.00
		Low strength	1.00	Too clayey	0.88	Depth to bedrock	0.42
				Depth to soft bedrock	0.42	Droughty	0.17
OdD: Opal-----	85	Very limited Shrink-swell	1.00	Very limited Cutbanks cave	1.00	Very limited Too clayey	1.00
		Low strength	1.00	Too clayey	0.88	Slope	0.63
			0.63	Slope	0.63	Depth to bedrock	0.42
				Depth to soft bedrock	0.42	Droughty	0.17
OeB: Opal-----	50	Very limited Shrink-swell	1.00	Very limited Cutbanks cave	1.00	Very limited Too clayey	1.00
		Low strength	1.00	Too clayey	0.88	Depth to bedrock	0.42
				Depth to soft bedrock	0.42	Droughty	0.17
Promise-----	35	Very limited Shrink-swell	1.00	Very limited Too clayey	1.00	Very limited Too clayey	1.00
		Low strength	1.00	Cutbanks cave	1.00		
OeC: Opal-----	55	Very limited Shrink-swell	1.00	Very limited Cutbanks cave	1.00	Very limited Too clayey	1.00
		Low strength	1.00	Too clayey	0.88	Depth to bedrock	0.42
				Depth to soft bedrock	0.42	Droughty	0.17

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Promise-----	30	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Cutbanks cave	1.00 1.00	Very limited Too clayey	1.00
Of: Orthents, Clayey----	90	Somewhat limited Depth to soft bedrock Slope	1.00 0.37	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 0.37 0.10	Very limited Depth to bedrock Droughty Gravel content Slope	1.00 1.00 0.41 0.37
Og: Orthents, Gravelly--	90	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty Gravel content	1.00 0.91 0.25
OtA: Ottumwa-----	85	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Too clayey Cutbanks cave	0.72 0.10	Very limited Too clayey	1.00
OtB: Ottumwa-----	85	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Too clayey Cutbanks cave	0.72 0.10	Very limited Too clayey	1.00
OvA: Ottumwa-----	55	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Too clayey Cutbanks cave	0.72 0.10	Very limited Too clayey	1.00
Capa-----	35	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Depth to saturated zone Cutbanks cave	1.00 0.47 0.10	Very limited Sodium content	1.00
OwB: Ottumwa-----	65	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Too clayey Cutbanks cave	0.72 0.10	Very limited Too clayey	1.00

Section II
Soil and Site Information

Building Site Development
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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Lakoma-----	30	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Too clayey Depth to soft bedrock Cutbanks cave	0.72 0.42 0.10	Very limited Too clayey Droughty Depth to bedrock	1.00 0.66 0.42
OwC: Ottumwa-----	55	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Too clayey Cutbanks cave	0.72 0.10	Very limited Too clayey	1.00
Lakoma-----	35	Very limited Shrink-swell Low strength	1.00 1.00	Somewhat limited Too clayey Depth to soft bedrock Cutbanks cave	0.72 0.42 0.10	Very limited Too clayey Droughty Depth to bedrock	1.00 0.66 0.42
OxC: Ottumwa-----	50	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Too clayey Cutbanks cave	0.72 0.10	Very limited Too clayey	1.00
Razor-----	35	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Depth to soft bedrock Too clayey Cutbanks cave	0.42 0.28 0.10	Very limited Too clayey Depth to bedrock	1.00 0.42
OyC: Ottumwa-----	35	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Too clayey Cutbanks cave	0.72 0.10	Very limited Too clayey	1.00
Razor-----	30	Very limited Low strength Shrink-swell Slope	1.00 1.00 0.37	Somewhat limited Depth to soft bedrock Slope Too clayey Cutbanks cave	0.42 0.37 0.28 0.10	Very limited Too clayey Depth to bedrock Slope	1.00 0.42 0.37
Savo-----	25	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	

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Soil and Site Information

Building Site Development
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PeC: Pierre-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Cutbanks cave Too clayey Depth to soft bedrock	1.00 0.88 0.42	Very limited Too clayey Droughty Depth to bedrock	1.00 0.72 0.42
PeD: Pierre-----	90	Very limited Shrink-swell Low strength Slope	1.00 1.00 0.63	Very limited Cutbanks cave Too clayey Slope Depth to soft bedrock	1.00 0.88 0.63 0.42	Very limited Too clayey Droughty Slope Depth to bedrock	1.00 0.72 0.63 0.42
PkE: Pierre-----	50	Very limited Shrink-swell Slope Low strength	1.00 1.00 1.00	Very limited Slope Cutbanks cave Too clayey Depth to soft bedrock	1.00 1.00 0.88 0.42	Very limited Too clayey Slope Droughty Depth to bedrock	1.00 1.00 0.72 0.42
Samsil-----	40	Very limited Shrink-swell Slope Depth to soft bedrock Low strength	1.00 1.00 1.00 1.00	Very limited Depth to soft bedrock Slope Too clayey Cutbanks cave	1.00 1.00 0.97 0.10	Very limited Too clayey Depth to bedrock Slope Droughty	1.00 1.00 1.00 1.00
PrA: Promise-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Cutbanks cave	1.00 1.00	Very limited Too clayey	1.00
PrB: Promise-----	90	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Cutbanks cave	1.00 1.00	Very limited Too clayey	1.00
RaB: Razor-----	90	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Depth to soft bedrock Too clayey Cutbanks cave	0.42 0.28 0.10	Very limited Too clayey Depth to bedrock	1.00 0.42

Section II
Soil and Site Information

Building Site Development
Haakon County, South Dakota

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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
RaC: Razor-----	90	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Depth to soft bedrock Too clayey Cutbanks cave	0.42 0.28 0.10	Very limited Too clayey Depth to bedrock	1.00 0.42
RbD: Razor-----	55	Very limited Low strength Shrink-swell Slope	1.00 1.00 0.63	Somewhat limited Slope Depth to soft bedrock Too clayey Cutbanks cave	0.63 0.42 0.28 0.10	Very limited Too clayey Slope Depth to bedrock	1.00 0.63 0.42
Midway-----	30	Very limited Depth to soft bedrock Low strength Shrink-swell Slope	1.00 1.00 1.00 0.37	Very limited Depth to soft bedrock Slope Cutbanks cave Too clayey	1.00 0.37 0.10 0.03	Very limited Depth to bedrock Droughty Slope	1.00 0.98 0.37
RdD: Razor-----	50	Very limited Low strength Shrink-swell Slope	1.00 1.00 0.37	Somewhat limited Depth to soft bedrock Slope Too clayey Cutbanks cave	0.42 0.37 0.28 0.10	Very limited Too clayey Depth to bedrock Slope	1.00 0.42 0.37
Shingle-----	40	Very limited Depth to soft bedrock Low strength Shrink-swell Slope	1.00 1.00 0.50 0.37	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 0.37 0.10	Very limited Depth to bedrock Droughty Slope	1.00 0.92 0.37
ReA: Ree-----	95	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
ReB: Ree-----	90	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
RfB: Ree-----	50	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	

Section II
Soil and Site Information

Building Site Development
Haakon County, South Dakota

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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
Canning-----	40	Somewhat limited Shrink-swell Low strength	0.50 0.22	Very limited Cutbanks cave	1.00	Not limited	
RfC: Ree-----	50	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
Canning-----	40	Somewhat limited Shrink-swell Low strength	0.50 0.22	Very limited Cutbanks cave	1.00	Not limited	
Rh: Ree-----	80	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
Hoven-----	15	Very limited Depth to saturated zone Shrink-swell Low strength Ponding Frost action	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Ponding Too clayey Cutbanks cave	1.00 1.00 0.28 0.10	Very limited Depth to saturated zone Sodium content Ponding	1.00 1.00 1.00
RkD: Ree-----	55	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
Vivian-----	30	Somewhat limited Slope	0.37	Very limited Cutbanks cave Slope	1.00 0.37	Somewhat limited Gravel content Slope Droughty	0.41 0.37 0.03
Rv: Riverwash-----	90	Not rated		Not rated		Not rated	
SbF: Samsil-----	90	Very limited Shrink-swell Slope Depth to soft bedrock Low strength	1.00 1.00 1.00 1.00	Very limited Depth to soft bedrock Slope Too clayey Cutbanks cave	1.00 1.00 0.97 0.10	Very limited Too clayey Depth to bedrock Slope Droughty	1.00 1.00 1.00 1.00

Section II
Soil and Site Information

Building Site Development
Haakon County, South Dakota

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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
ScF: Samsil-----	65	Very limited Shrink-swell	1.00	Very limited Depth to soft bedrock	1.00	Very limited Too clayey	1.00
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Too clayey	0.97	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10	Droughty	1.00
Nihill-----	20	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Frost action	0.50	Cutbanks cave	1.00	Gravel content	0.33
						Droughty	0.04
						Content of large stones	0.01
SdF: Samsil-----	55	Very limited Shrink-swell	1.00	Very limited Depth to soft bedrock	1.00	Very limited Too clayey	1.00
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Too clayey	0.97	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10	Droughty	1.00
Rock Outcrop, Soft--	30	Not rated		Not rated		Not rated	
SoE: Sansarc-----	65	Very limited Shrink-swell	1.00	Very limited Depth to soft bedrock	1.00	Very limited Too clayey	1.00
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Too clayey	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10	Droughty	1.00
Opal-----	25	Very limited Shrink-swell	1.00	Very limited Cutbanks cave	1.00	Very limited Too clayey	1.00
		Low strength	1.00	Too clayey	1.00	Slope	1.00
		Slope	1.00	Slope	1.00	Depth to bedrock	0.42
				Depth to soft bedrock	0.42	Droughty	0.17

Section II
Soil and Site Information

Building Site Development
Haakon County, South Dakota

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
SrA: Savo-----	90	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
SrB: Savo-----	90	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
SrC: Savo-----	90	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
StF: Schamber-----	50	Very limited Slope	1.00	Very limited Slope Cutbanks cave	1.00 1.00	Very limited Slope Droughty Gravel content	1.00 1.00 0.38
Samsil-----	40	Very limited Shrink-swell Slope Depth to soft bedrock Low strength	1.00 1.00 1.00 1.00	Very limited Depth to soft bedrock Slope Too clayey Cutbanks cave	1.00 1.00 0.97 0.10	Very limited Too clayey Depth to bedrock Slope Droughty	1.00 1.00 1.00 1.00
SuE: Shingle-----	90	Very limited Slope Depth to soft bedrock Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty	1.00 1.00 0.92
SwE: Shingle-----	55	Very limited Slope Depth to soft bedrock Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty	1.00 1.00 0.92

Section II
Soil and Site Information

Building Site Development
Haakon County, South Dakota

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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
Razor-----	35	Very limited Slope Low strength Shrink-swell	1.00 1.00 1.00	Very limited Slope Depth to soft bedrock Too clayey Cutbanks cave	1.00 0.42 0.28 0.10	Very limited Slope Too clayey Depth to bedrock	1.00 1.00 0.42
W: Water-----	100	Not rated		Not rated		Not rated	
Wc: Wendte-----	90	Very limited Shrink-swell Low strength Flooding	1.00 1.00 0.40	Somewhat limited Too clayey Depth to saturated zone Cutbanks cave	0.50 0.47 0.10	Very limited Too clayey	1.00
Wd: Wendte-----	55	Very limited Shrink-swell Flooding Low strength	1.00 1.00 1.00	Somewhat limited Flooding Too clayey Depth to saturated zone Cutbanks cave	0.60 0.50 0.47 0.10	Very limited Too clayey Flooding	1.00 0.60
Herdcamp-----	30	Very limited Shrink-swell Depth to saturated zone Frost action Flooding Low strength	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Flooding Too clayey Cutbanks cave	1.00 0.80 0.18 0.10	Very limited Flooding Depth to saturated zone Too clayey	1.00 1.00 1.00
WSE: Wendte-----	50	Very limited Shrink-swell Flooding Low strength	1.00 1.00 1.00	Somewhat limited Flooding Too clayey Depth to saturated zone Cutbanks cave	0.60 0.50 0.47 0.10	Very limited Too clayey Flooding	1.00 0.60

Section II
Soil and Site Information

Building Site Development
Haakon County, South Dakota

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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
Sansarc-----	35	Very limited Shrink-swell	1.00	Very limited Depth to soft bedrock	1.00	Very limited Too clayey	1.00
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Too clayey	1.00	Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10	Droughty	1.00
Ww: Wortman-----	50	Somewhat limited Low strength	0.78	Somewhat limited Depth to soft bedrock	0.42	Very limited Sodium content	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Depth to bedrock	0.42
				Too clayey	0.03		
Wanblee-----	35	Very limited Low strength	1.00	Somewhat limited Depth to soft bedrock	0.42	Somewhat limited Depth to bedrock	0.42
		Shrink-swell	0.50	Cutbanks cave	0.10		