

Section II
Soil and Site Information

Building Site Development
Washabaugh 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
Aa: Lohmiller-----	80	Very limited Flooding Low strength Shrink-swell	1.00 1.00 1.00	Somewhat limited Flooding Cutbanks cave Too clayey	0.80 0.10 0.03	Very limited Flooding	1.00
AlA: Altvan-----	90	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
AlC: Altvan-----	85	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
AvD: Anselmo-----	50	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
Valentine-----	40	Somewhat limited Slope	0.84	Very limited Cutbanks cave Slope	1.00 0.84	Somewhat limited Slope Too sandy Droughty	0.84 0.50 0.34
Ba: Badland-----	35	Not rated		Not rated		Not rated	
Denby-----	25	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Very limited Too clayey Sodium content	1.00 1.00
Interior-----	20	Very limited Flooding Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Flooding Cutbanks cave	0.80 0.10	Very limited Flooding Sodium content	1.00 1.00
Bk: Badland-----	85	Not rated		Not rated		Not rated	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
CaF: Canyon-----	55	Very limited Slope Depth to soft bedrock	1.00 1.00	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 0.84
Oglala-----	25	Very limited Slope Frost action	1.00 0.50	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Cc: Canyon-----	50	Very limited Slope Depth to soft bedrock	1.00 1.00	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 0.84
Rock Outcrop, Sandstone-----	30	Not rated		Not rated		Not rated	
Cy: Denby-----	80	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Very limited Too clayey Sodium content	1.00 1.00
EhF: Epping-----	50	Very limited Slope Depth to soft bedrock Low strength	1.00 1.00 0.78	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 0.43
Kadoka-----	30	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope Depth to soft bedrock Cutbanks cave	0.63 0.42 0.10	Somewhat limited Slope Depth to bedrock	0.63 0.42

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
EkE: Epping-----	50	Somewhat limited Depth to soft bedrock Low strength Slope	1.00 0.78 0.63	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 0.63 0.10	Very limited Depth to bedrock Slope Droughty	1.00 0.63 0.43
Kadoka-----	30	Very limited Low strength Slope Shrink-swell Frost action	1.00 0.63 0.50 0.50	Somewhat limited Slope Depth to soft bedrock Cutbanks cave	0.63 0.42 0.10	Somewhat limited Slope Depth to bedrock	0.63 0.42
Er: Epping-----	50	Very limited Slope Depth to soft bedrock Low strength	1.00 1.00 0.78	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 0.43
Rock Outcrop, Sandstone-----	30	Not rated		Not rated		Not rated	
GoA: Mobridge-----	90	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Somewhat limited Depth to saturated zone Cutbanks cave	0.47 0.10	Not limited	
Gr: Nihill-----	80	Somewhat limited Slope Frost action	0.96 0.50	Very limited Cutbanks cave Slope	1.00 0.96	Somewhat limited Slope Gravel content Droughty Content of large stones	0.96 0.33 0.06 0.01
HhA: Haverson-----	90	Somewhat limited Shrink-swell Flooding	0.50 0.40	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
H1A: Haverson-----	90	Very limited Flooding Shrink-swell	1.00 0.50	Very limited Cutbanks cave Flooding	1.00 0.60	Somewhat limited Flooding	0.60
HoA: Haverson-----	90	Very limited Flooding Shrink-swell	1.00 0.50	Very limited Cutbanks cave Flooding	1.00 0.60	Somewhat limited Flooding	0.60
Hs: Hisle-----	80	Very limited Low strength	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 1.00 0.42
Hv: Hoven-----	90	Very limited Depth to saturated zone Low strength Shrink-swell 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
HwA: Huggins-----	85	Very limited Low strength Shrink-swell Depth to hard bedrock	1.00 1.00 0.84	Very limited Depth to hard bedrock Cutbanks cave Too clayey	1.00 0.10 0.03	Somewhat limited Depth to bedrock	0.84
KaA: Kadoka-----	90	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
KaB: Kadoka-----	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

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
KaC: Kadoka-----	80	Very limited Low strength	1.00	Somewhat limited Depth to soft bedrock	0.42	Somewhat limited Depth to bedrock	0.42
		Shrink-swell Frost action	0.50 0.50	Cutbanks cave	0.10		
KbC: Kadoka-----	55	Very limited Low strength	1.00	Somewhat limited Depth to soft bedrock	0.42	Somewhat limited Depth to bedrock	0.42
		Shrink-swell Frost action	0.50 0.50	Cutbanks cave	0.10		
Epping-----	30	Somewhat limited Depth to soft bedrock	1.00	Very limited Depth to soft bedrock	1.00	Very limited Depth to bedrock	1.00
		Low strength	0.78	Cutbanks cave	0.10	Droughty	0.43
KdC: Kadoka-----	55	Very limited Low strength	1.00	Somewhat limited Depth to soft bedrock	0.42	Somewhat limited Depth to bedrock	0.42
		Shrink-swell Frost action	0.50 0.50	Cutbanks cave	0.10		
Huggins-----	30	Very limited Low strength	1.00	Very limited Depth to hard bedrock	1.00	Somewhat limited Depth to bedrock	0.84
		Shrink-swell Depth to hard bedrock	1.00 0.84	Cutbanks cave Too clayey	0.10 0.03		
KeA: Keith-----	85	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.50	Not limited	
KeB: Keith-----	85	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.50	Not limited	
KhD: Keith-----	50	Somewhat limited Frost action Slope	0.50 0.16	Somewhat limited Cutbanks cave Slope	0.50 0.16	Somewhat limited Slope	0.16

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Colby----- KhE: Keith-----	35 50	Very limited Low strength Slope	1.00 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37
Colby----- KrB: Keith-----	35 55	Very limited Slope Low strength	1.00 1.00	Very limited Slope Cutbanks cave	1.00 0.10	Very limited Slope	1.00
Rosebud-----	35	Very limited Low strength	1.00	Somewhat limited Depth to soft bedrock	0.42	Somewhat limited Depth to bedrock	0.42
		Shrink-swell Frost action	0.50 0.50	Cutbanks cave	0.10		
KsC: Keith-----	40	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.50	Not limited	
Rosebud-----	30	Very limited Low strength	1.00	Somewhat limited Depth to soft bedrock	0.42	Somewhat limited Depth to bedrock	0.42
		Shrink-swell Frost action	0.50 0.50	Cutbanks cave	0.10		
Canyon-----	20	Somewhat limited Depth to soft bedrock	1.00	Very limited Depth to soft bedrock	1.00	Very limited Depth to bedrock	1.00
				Cutbanks cave	0.10	Droughty	0.84
KuC: Keith-----	45	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.50	Not limited	
Ulysses-----	40	Very limited Low strength Frost action	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
KyA: Swanboy-----	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 0.04
Lm: Interior-----	80	Very limited Flooding Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Flooding Cutbanks cave	0.80 0.10	Very limited Flooding Sodium content	1.00 1.00
Mm: Mosher-----	50	Very limited Low strength Shrink-swell Frost action Flooding	1.00 1.00 0.50 0.40	Very limited Cutbanks cave Depth to saturated zone Too clayey	1.00 1.00 0.28	Very limited Sodium content	1.00
Minatare-----	35	Very limited Low strength Shrink-swell Frost action Flooding Depth to saturated zone	1.00 0.50 0.50 0.40 0.19	Very limited Depth to saturated zone Depth to dense layer Cutbanks cave	1.00 0.50 0.10	Very limited Sodium content Depth to saturated zone	1.00 0.19
OcE: Oglala-----	50	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
Canyon-----	30	Somewhat limited Depth to soft bedrock Slope	1.00 0.96	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 0.96 0.10	Very limited Depth to bedrock Slope Droughty	1.00 0.96 0.84
PeC: Pierre-----	85	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 0.44 0.42

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
PsE: Pierre-----	55	Very limited Shrink-swell Low strength Slope	1.00 1.00 1.00	Very limited Cutbanks cave Slope 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 0.44 0.42
Samsil-----	30	Very limited Shrink-swell Depth to soft bedrock Low strength Slope	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 Droughty Slope	1.00 1.00 1.00 1.00
RkA: Keith-----	45	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.50	Not limited	
Richfield-----	45	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
RkC: Keith-----	45	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.50	Not limited	
Richfield-----	45	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
SpE: Samsil-----	50	Very limited Shrink-swell Depth to soft bedrock Low strength Slope	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 Droughty Slope	1.00 1.00 1.00 1.00
Pierre-----	40	Very limited Shrink-swell Low strength Slope	1.00 1.00 1.00	Very limited Cutbanks cave Slope 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 0.56 0.42

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ss: Samsil-----	50	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	
Sw: Swanboy-----	85	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	Droughty	0.04
Te: Epping-----	50	Very limited Slope	1.00	Very limited Depth to soft bedrock	1.00	Very limited Depth to bedrock	1.00
		Depth to soft bedrock	1.00	Slope	1.00	Slope	1.00
		Low strength	0.78	Cutbanks cave	0.10	Droughty	0.43
Mitchell-----	30	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
				Cutbanks cave	0.10		
TnA: Tuthill-----	45	Somewhat limited Shrink-swell	0.50	Very limited Cutbanks cave	1.00	Not limited	
Anselmo-----	40	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
TnC: Anselmo-----	40	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
Tuthill-----	40	Somewhat limited Shrink-swell	0.50	Very limited Cutbanks cave	1.00	Not limited	

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TuA: Manter-----	45	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
Tuthill-----	45	Somewhat limited Shrink-swell	0.50	Very limited Cutbanks cave	1.00	Not limited	
TuB: Tuthill-----	45	Somewhat limited Shrink-swell	0.50	Very limited Cutbanks cave	1.00	Not limited	
Manter-----	40	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
TuC: Manter-----	40	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
Tuthill-----	40	Somewhat limited Shrink-swell	0.50	Very limited Cutbanks cave	1.00	Not limited	
Vs: Valentine-----	85	Somewhat limited Slope	0.96	Very limited Cutbanks cave Slope	1.00 0.96	Somewhat limited Slope Too sandy Droughty	0.96 0.50 0.34
w: Water (less Than 40 Acres)-----	100	Not rated		Not rated		Not rated	
Wa: Wanblee-----	80	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Depth to soft bedrock Cutbanks cave	0.42 0.10	Somewhat limited Depth to bedrock	0.42
We: Loup-----	50	Very limited Flooding Depth to saturated zone Frost action	1.00 1.00 0.50	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.80	Very limited Flooding Depth to saturated zone Droughty	1.00 1.00 0.03

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Lamo-----	30	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	0.19
		Low strength	1.00	Cutbanks cave	0.10		
		Shrink-swell	0.50				
		Depth to saturated zone	0.19				
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-----	30	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		