

Section II
Soil and Site Information

Building Site Development
Fall River 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: Absted-----	85	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Very limited Sodium content	1.00
AaC: Alice-----	90	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	
AbA: Altvan-----	90	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Very limited Cutbanks cave	1.00	Not limited	
AbB: Altvan-----	90	Very limited Low strength Shrink-swell Frost action	1.00 0.50 0.50	Very limited Cutbanks cave	1.00	Not limited	
Ap: Aquolls-----	100	Very limited Ponding Depth to saturated zone Frost action Shrink-swell	1.00 1.00 1.00 0.50	Very limited Ponding Depth to saturated zone Cutbanks cave	1.00 1.00 1.00	Very limited Ponding Depth to saturated zone	1.00 1.00
Ar: Arvada-----	90	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 0.02
AsB: Ascalon-----	90	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
AsC: Ascalon-----	90	Somewhat limited Frost action	0.50	Very limited Cutbanks cave	1.00	Not limited	

Section II
Soil and Site Information

Building Site Development
Fall River 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
Ba: Badland-----	80	Not rated		Not rated		Not rated	
Bb: Bankard-----	90	Very limited Flooding	1.00	Very limited Cutbanks cave Flooding	1.00 0.60	Somewhat limited Flooding Droughty	0.60 0.37
Bc: Barnum-----	90	Very limited Flooding Low strength Shrink-swell	1.00 0.78 0.50	Very limited Cutbanks cave Flooding	1.00 0.60	Somewhat limited Flooding Salinity	0.60 0.13
BoA: Boneek-----	95	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
BoB: Boneek-----	90	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
BpB: Boneek-----	90	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
BrD: Broadhurst-----	90	Very limited Low strength Shrink-swell Slope	1.00 1.00 0.04	Very limited Too clayey Cutbanks cave Slope	1.00 0.10 0.04	Very limited Too clayey Slope Droughty	1.00 0.04 0.01
BuB: Bufton-----	90	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave	0.10	Not limited	

Section II
Soil and Site Information

Building Site Development
Fall River 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
BvD: Butche-----	55	Very limited Depth to hard bedrock Slope	1.00 0.04	Very limited Depth to hard bedrock Cutbanks cave Slope	1.00 0.10 0.04	Very limited Depth to bedrock Droughty Content of large stones Slope	1.00 1.00 0.11 0.04
Boneek-----	30	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
CnD: Colby-----	50	Very limited Low strength Slope	1.00 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37
Norka-----	35	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
DaB: Dailey-----	90	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.69
DaC: Dailey-----	90	Somewhat limited Slope	0.04	Very limited Cutbanks cave Slope	1.00 0.04	Somewhat limited Droughty Slope	0.69 0.04
DwA: Dwyer-----	90	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.25
DwB: Dwyer-----	90	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.25
DwE: Dwyer-----	85	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty	1.00 0.25
EaC: Eckley-----	90	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.28

Section II
Soil and Site Information

Building Site Development
Fall River 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
Ga: Glenberg-----	90	Somewhat limited Flooding	0.40	Very limited Cutbanks cave	1.00	Not limited	
GrE: Grummit-----	60	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
				Too clayey Cutbanks cave	0.72 0.10	Droughty Too clayey	1.00 1.00
Rock Outcrop, Acid--	30	Not rated		Not rated		Not rated	
GsD: Grummit-----	55	Somewhat limited Depth to soft bedrock	1.00	Very limited Depth to soft bedrock	1.00	Very limited Depth to bedrock	1.00
		Slope	0.63	Too clayey	0.72	Droughty	1.00
				Slope	0.63	Too clayey	1.00
				Cutbanks cave	0.10	Slope	0.63
Snomo-----	30	Very limited Low strength	1.00	Very limited Too clayey	1.00	Very limited Too clayey	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10	Slope	0.04
		Slope	0.04	Slope	0.04		
Ha: Haverson-----	90	Somewhat limited Shrink-swell Flooding	0.50 0.40	Very limited Cutbanks cave	1.00	Not limited	
HbB: Haverson Variant----	90	Somewhat limited Frost action Flooding	0.50 0.40	Very limited Cutbanks cave	1.00	Not limited	

Section II
Soil and Site Information

Building Site Development
Fall River 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
He: Hisle-----	60	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 0.70 0.42
Slickspots, Dry----	30	Not rated		Not rated		Not rated	
Ho: Hoven-----	95	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
JaB: Jayem-----	90	Not limited		Very limited Cutbanks cave	1.00	Not limited	
KaB: Kadoka-----	90	Very limited Low strength Frost action	1.00 0.50	Somewhat limited Depth to soft bedrock Cutbanks cave	0.42 0.10	Somewhat limited Depth to bedrock	0.42
KeD: Kadoka-----	55	Very limited Low strength Frost action	1.00 0.50	Somewhat limited Depth to soft bedrock Cutbanks cave	0.42 0.10	Somewhat limited Depth to bedrock	0.42
Epping-----	30	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 0.47

Section II
Soil and Site Information

Building Site Development
Fall River 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
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
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
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	Not limited	
MaA: Manvel-----	90	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
MbA: Manzanola-----	90	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
MbB: Manzanola-----	90	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
MmE: Mathias-----	50	Very limited Slope Content of large stones Frost action	1.00 0.99 0.50	Very limited Slope Content of large stones Cutbanks cave	1.00 0.99 0.10	Very limited Slope Content of large stones	1.00 1.00
Midway-----	20	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

Section II
Soil and Site Information

Building Site Development
Fall River 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
Rock Outcrop, Sandy-	15	Not rated		Not rated		Not rated	
MnF: Mathias-----	40	Very limited Slope Content of large stones Frost action	1.00 0.99 0.50	Very limited Slope Content of large stones Cutbanks cave	1.00 0.99 0.10	Very limited Slope Content of large stones	1.00 1.00
Rockoa-----	35	Very limited Slope Content of large stones Frost action	1.00 1.00 0.50	Very limited Slope Content of large stones Cutbanks cave	1.00 1.00 0.10	Very limited Slope Content of large stones	1.00 1.00
Rock Outcrop, Sandy-	15	Not rated		Not rated		Not rated	
MoB: Minnequa-----	90	Somewhat limited Low strength	0.78	Somewhat limited Depth to soft bedrock Cutbanks cave	0.42 0.10	Somewhat limited Depth to bedrock Droughty	0.42 0.01
MpE: Minnequa-----	50	Somewhat limited Low strength Slope	0.78 0.63	Somewhat limited Slope Depth to soft bedrock Cutbanks cave	0.63 0.42 0.10	Somewhat limited Slope Depth to bedrock Droughty	0.63 0.42 0.01
Midway-----	35	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

Section II
Soil and Site Information

Building Site Development
Fall River 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
MtA: Mitchell-----	90	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
MtB: Mitchell-----	90	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
NeD: Nevee-----	90	Somewhat limited Low strength Slope	0.78 0.63	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
NoA: Norka-----	90	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
NoB: Norka-----	90	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
NoC: Norka-----	90	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
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-----	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	
NuC: 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	

Section II
Soil and Site Information

Building Site Development
Fall River 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
OrE: Orella-----	60	Very limited Depth to soft bedrock Low strength Shrink-swell Slope	1.00 1.00 1.00 1.00	Very limited Depth to soft bedrock Slope Too clayey Cutbanks cave	1.00 1.00 0.64 0.10	Very limited Depth to bedrock Droughty Too clayey Slope Sodium content	1.00 1.00 1.00 1.00
Rock Outcrop, Soft--	30	Not rated		Not rated		Not rated	
PaD: Paunsaugunt-----	55	Very limited Depth to hard bedrock Slope Frost action	1.00 0.63 0.50	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 0.63 0.10	Very limited Depth to bedrock Droughty Gravel content Slope	1.00 1.00 0.75 0.63
Boneek-----	30	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
PbF: Paunsaugunt-----	40	Very limited Depth to hard bedrock Slope Frost action	1.00 1.00 0.50	Very limited Depth to hard bedrock Slope Cutbanks cave	1.00 1.00 0.10	Very limited Depth to bedrock Slope Droughty Gravel content	1.00 1.00 1.00 0.75
Vanocker-----	30	Very limited Slope Shrink-swell Frost action Content of large stones	1.00 0.50 0.50 0.11	Very limited Slope Content of large stones Cutbanks cave	1.00 0.11 0.10	Very limited Slope Content of large stones Gravel content Droughty	1.00 0.20 0.09 0.01

Section II
Soil and Site Information

Building Site Development
Fall River 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
Rock Outcrop, Hard--	15	Not rated		Not rated		Not rated	
PeB: 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 0.44 0.42
PgE: Pierre-----	60	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 Slope Droughty Depth to bedrock	1.00 0.63 0.44 0.42
Grummit-----	30	Very limited Depth to soft bedrock Slope	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 Depth to bedrock Droughty Slope Too clayey	1.00 1.00 1.00 1.00
PsE: Pierre-----	50	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 Slope Droughty Depth to bedrock	1.00 0.63 0.44 0.42
Samsil-----	35	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

Section II
Soil and Site Information

Building Site Development
Fall River 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
Pt: Orthents, Gravelly--	100	Not rated		Not rated		Not rated	
Pu: Pits-----	100	Not rated		Not rated		Not rated	
ReD: Rekop-----	35	Somewhat limited Depth to soft bedrock Slope	1.00 0.84	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 0.84 0.10	Very limited Depth to bedrock Droughty Slope	1.00 1.00 0.84
Gystrum-----	25	Very limited Low strength Slope Shrink-swell	1.00 0.63 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
Tilford-----	25	Somewhat limited Slope Frost action Low strength	0.63 0.50 0.22	Somewhat limited Slope Cutbanks cave	0.63 0.10	Somewhat limited Slope	0.63
RgF: Rock Outcrop, Sandy-	50	Not rated		Not rated		Not rated	
Gystrum-----	35	Very limited Slope Low strength Shrink-swell	1.00 1.00 0.50	Very limited Slope Depth to soft bedrock Cutbanks cave	1.00 0.42 0.10	Very limited Slope Depth to bedrock	1.00 0.42

Section II
Soil and Site Information

Building Site Development
Fall River 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
RoF: Rock Outcrop, Sandy-	40	Not rated		Not rated		Not rated	
Mathias-----	25	Very limited Slope Content of large stones Frost action	1.00 0.99 0.50	Very limited Slope Content of large stones Cutbanks cave	1.00 0.99 0.10	Very limited Slope Content of large stones	1.00 1.00
Butche-----	20	Very limited Depth to hard bedrock Slope	1.00 1.00	Very limited Depth to hard 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 1.00 0.11
RrF: Rockoa-----	65	Very limited Slope Content of large stones Frost action	1.00 1.00 0.50	Very limited Slope Content of large stones Cutbanks cave	1.00 1.00 0.10	Very limited Slope Content of large stones	1.00 1.00
Rock Outcrop, Sandy-	20	Not rated		Not rated		Not rated	
SaE: Samsil-----	85	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
Fall River 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
SbD: Samsil-----	45	Very limited Shrink-swell	1.00	Very limited Depth to soft bedrock	1.00	Very limited Too clayey	1.00
		Depth to soft bedrock	1.00	Too clayey	0.97	Depth to bedrock	1.00
		Low strength Slope	1.00 0.37	Slope Cutbanks cave	0.37 0.10	Droughty Slope	1.00 0.37
Pierre-----	40	Very limited Shrink-swell	1.00	Very limited Cutbanks cave	1.00	Very limited Too clayey	1.00
		Low strength Slope	1.00 0.37	Too clayey Depth to soft bedrock	0.88 0.42	Droughty Depth to bedrock	0.44 0.42
				Slope	0.37	Slope	0.37
ScA: Satanta-----	90	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
ScB: Satanta-----	90	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
ScC: Satanta-----	85	Somewhat limited Frost action	0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
SdA: Savo-----	90	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
SdB: Savo-----	90	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
SmE: Schamber-----	45	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
Eckley-----	40	Somewhat limited Slope	0.63	Very limited Cutbanks cave Slope	1.00 0.63	Somewhat limited Slope Droughty	0.63 0.28

Section II
Soil and Site Information

Building Site Development
Fall River 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
SnE: Shingle-----	45	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	1.00	Cutbanks cave	0.10	Droughty	0.94
		Shrink-swell	0.50				
Penrose-----	25	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
				Cutbanks cave	0.10	Droughty	0.97
						Content of large stones	0.01
Rock Outcrop, Soft--	20	Not rated		Not rated		Not rated	
SpF: Spearfish-----	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
				Cutbanks cave	0.10	Droughty	0.99
Rock Outcrop, Sandstone-----	35	Not rated		Not rated		Not rated	

Section II
Soil and Site Information

Building Site Development
Fall River 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
SsE: Spearfish-----	45	Very limited Depth to soft bedrock Slope Content of large stones	1.00 1.00 0.01	Very limited Depth to soft bedrock Slope Cutbanks cave Content of large stones	1.00 1.00 0.10 0.01	Very limited Depth to bedrock Content of large stones Slope Droughty	1.00 1.00 1.00 1.00
Tilford-----	35	Somewhat limited Frost action Slope Low strength	0.50 0.37 0.22	Somewhat limited Slope Cutbanks cave	0.37 0.10	Very limited Content of large stones Slope	1.00 0.37
St: Stetter-----	90	Very limited Flooding Low strength Shrink-swell	1.00 1.00 1.00	Somewhat limited Too clayey Flooding Cutbanks cave	0.72 0.60 0.10	Very limited Too clayey Flooding	1.00 0.60
Sw: 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 0.07
TaA: Tilford-----	90	Somewhat limited Frost action Low strength	0.50 0.22	Somewhat limited Cutbanks cave	0.10	Not limited	
TaB: Tilford-----	90	Somewhat limited Frost action Low strength	0.50 0.22	Somewhat limited Cutbanks cave	0.10	Not limited	
TaC: Tilford-----	90	Somewhat limited Frost action Low strength	0.50 0.22	Somewhat limited Cutbanks cave	0.10	Not limited	
TgC: Tilford-----	55	Somewhat limited Frost action Low strength	0.50 0.22	Somewhat limited Cutbanks cave	0.10	Not limited	

Section II
Soil and Site Information

Building Site Development
Fall River 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
Gystrum-----	30	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
VaE: Valent-----	90	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty	1.00 1.00
w: Water (less Than 40 Acres)-----	100	Not rated		Not rated		Not rated	
WpC: Winler-----	50	Very limited Shrink-swell Low strength	1.00 1.00	Very limited Too clayey Cutbanks cave Depth to soft bedrock	1.00 1.00 0.42	Very limited Too clayey Droughty Depth to bedrock	1.00 0.71 0.42
Pierre-----	35	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
ZnE: Zigweid-----	50	Very limited Low strength Shrink-swell Slope	1.00 0.50 0.37	Somewhat limited Slope Cutbanks cave	0.37 0.10	Somewhat limited Slope	0.37
Nihill-----	35	Somewhat limited Slope Frost action	0.84 0.50	Very limited Cutbanks cave Slope	1.00 0.84	Somewhat limited Slope Gravel content Droughty Content of large stones	0.84 0.33 0.08 0.01