

Section II
Soil and Site Information

Construction Materials Table 2
Lawrence County, South Dakota

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
AaB: Alice-----	90	Fair Low content of organic matter	0.88	Good		Fair Hard to reclaim	0.82
Ba: Barnum-----	90	Fair Low content of organic matter Water erosion	0.88 0.99	Fair Low strength Shrink-swell	0.22 0.87	Fair Salinity	0.88
Bb: Barnum-----	85	Fair Low content of organic matter Water erosion	0.88 0.99	Fair Low strength Shrink-swell	0.22 0.87	Fair Salinity	0.88
BcA: Boneek-----	90	Fair Low content of organic matter Water erosion	0.88 0.90	Poor Low strength Depth to bedrock Shrink-swell	0.00 0.58 0.93	Good	
BcB: Boneek-----	85	Fair Low content of organic matter Water erosion	0.88 0.90	Poor Low strength Depth to bedrock Shrink-swell	0.00 0.58 0.93	Good	
BcC: Boneek-----	85	Fair Low content of organic matter Water erosion	0.88 0.90	Poor Low strength Depth to bedrock Shrink-swell	0.00 0.58 0.98	Good	
BdE: Buska-----	65	Fair Low content of organic matter Cobble content	0.50 0.99	Fair Slope Cobble content	0.82 0.96	Poor Hard to reclaim Rock fragments Slope	0.00 0.00

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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--	20	Not rated		Not rated		Not rated	
BeE: Butche-----	85	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.88	Poor Depth to bedrock Slope Cobble content	0.00 0.00 0.99	Poor Slope Depth to bedrock Rock fragments	0.00 0.00 0.00
BhE: Butche-----	60	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.88	Poor Depth to bedrock Slope Cobble content	0.00 0.00 0.99	Poor Slope Depth to bedrock Rock fragments	0.00 0.00 0.00
Rock Outcrop, Sandy-	25	Not rated		Not rated		Not rated	
BkD: Butche-----	60	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.88	Poor Depth to bedrock Slope	0.00 0.98	Poor Depth to bedrock Rock fragments Slope	0.00 0.00 0.00
Satanta-----	35	Fair Low content of organic matter	0.88	Good		Good	
CaD: Canyon-----	55	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.88	Poor Depth to bedrock	0.00	Poor Depth to bedrock Rock fragments Slope	0.00 0.03 0.63
Bridget-----	25	Fair Low content of organic matter Water erosion	0.88 0.90	Fair Low strength	0.78	Good	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
CaE: Canyon-----	60	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.88	Poor Depth to bedrock Slope	0.00 0.00	Poor Slope Depth to bedrock Rock fragments	0.00 0.00 0.03
Bridget-----	25	Fair Low content of organic matter Water erosion	0.88 0.90	Fair Low strength	0.78	Fair Slope	0.16
CbE: Citadel-----	70	Poor Too clayey Low content of organic matter Too acid Water erosion Stone content	0.00 0.12 0.97 0.99 0.99	Poor Low strength Shrink-swell Slope	0.00 0.71 0.98	Poor Too Clayey Slope Hard to reclaim Rock fragments	0.00 0.00 0.02 0.95
Cc: Orthents, Tailings--	100	Not rated		Not rated		Not rated	
EaD: Enning-----	70	Poor Droughty Carbonate content Depth to bedrock Low content of organic matter Water erosion	0.00 0.00 0.00 0.50 0.90	Poor Depth to bedrock Low strength Slope	0.00 0.00 0.50	Poor Slope Carbonate content Depth to bedrock	0.00 0.00 0.00
Minnequa-----	20	Fair Low content of organic matter Droughty Depth to bedrock Carbonate content Sodium content Water erosion	0.12 0.39 0.58 0.68 0.78 0.99	Poor Depth to bedrock Low strength	0.00 0.22	Fair Slope Depth to bedrock Carbonate content Sodium content	0.37 0.58 0.68 0.78

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Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
GaD: Glenberg Variant----	90	Fair Low content of organic matter Too acid	0.12 0.32	Good		Fair Too acid	0.88
GbE: Grizzly-----	55	Fair Low content of organic matter	0.88	Poor Slope Cobble content Shrink-swell	0.00 0.92 0.97	Poor Slope Rock fragments Hard to reclaim	0.00 0.00 0.00
Virkula-----	25	Fair Low content of organic matter Too acid	0.12 0.84	Poor Slope Shrink-swell	0.00 0.89	Poor Slope Hard to reclaim	0.00 0.50
GcD: Grummit-----	75	Poor Too clayey Droughty Depth to bedrock Too acid Low content of organic matter	0.00 0.00 0.00 0.08 0.88	Poor Depth to bedrock Low strength	0.00 0.00	Poor Too Clayey Depth to bedrock Slope Too acid	0.00 0.00 0.04 0.50
Rock Outcrop, Acid--	15	Not rated		Not rated		Not rated	
GdE: Grummit-----	60	Poor Too clayey Droughty Depth to bedrock Too acid Low content of organic matter	0.00 0.00 0.00 0.08 0.88	Poor Depth to bedrock Slope Low strength	0.00 0.00 0.00	Poor Slope Too Clayey Depth to bedrock Too acid	0.00 0.00 0.00 0.50
Rock Outcrop, Acid--	35	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
GeD: Gypnevee-----	65	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Fair Slope	0.63
Rekop-----	25	Poor Droughty Depth to bedrock Low content of organic matter Carbonate content	0.00 0.00 0.12 0.80	Poor Depth to bedrock Slope	0.00 0.50	Poor Slope Depth to bedrock Rock fragments Carbonate content	0.00 0.00 0.12 0.80
Ha: Higgins-----	90	Fair Low content of organic matter Water erosion Carbonate content	0.88 0.90 0.92	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone Carbonate content	0.00 0.92
HbF: Hisega-----	60	Fair Low content of organic matter Cobble content	0.12 0.30	Poor Slope Cobble content	0.00 0.02	Poor Slope Hard to reclaim Rock fragments	0.00 0.00
Rock Outcrop, Hard--	25	Not rated		Not rated		Not rated	
HcA: Hisle-----	85	Poor Too clayey Sodium content Droughty Depth to bedrock Salinity Water erosion	0.00 0.00 0.00 0.58 0.97 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Sodium content Salinity Depth to bedrock	0.00 0.00 0.00 0.58

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HdA: Hisle-----	65	Poor Too clayey Sodium content Droughty Depth to bedrock Salinity Water erosion	0.00 0.00 0.00 0.58 0.97 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Sodium content Salinity Depth to bedrock	0.00 0.00 0.00 0.58
Slickspots, Dry----	20	Not rated		Not rated		Not rated	
KaA: Kyle-----	90	Poor Too clayey Low content of organic matter Sodium content Water erosion	0.00 0.12 0.78 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey Sodium content Salinity	0.00 0.40 0.88
KaB: Kyle-----	90	Poor Too clayey Low content of organic matter Sodium content Water erosion	0.00 0.12 0.78 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey Sodium content Salinity	0.00 0.40 0.88
LaE: Lakoa-----	80	Fair Low content of organic matter Too acid Too clayey	0.50 0.97 0.98	Poor Slope Low strength Shrink-swell	0.00 0.00 0.87	Poor Slope Too Clayey Hard to reclaim	0.00 0.64 0.95
MaC: Maitland-----	90	Fair Low content of organic matter Too acid	0.50 0.84	Poor Low strength Shrink-swell	0.00 0.89	Good	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
MaD: Maitland-----	85	Fair Low content of organic matter Too acid	0.50 0.84	Poor Low strength Slope Shrink-swell	0.00 0.50 0.89	Poor Slope	0.00
MbE: Marshbrook-----	55	Good		Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.98	Poor Depth to saturated zone	0.00
Maitland-----	35	Fair Low content of organic matter Too acid	0.50 0.84	Poor Low strength Shrink-swell	0.00 0.89	Good	
McD: Midway-----	60	Poor Droughty Depth to bedrock Too clayey Low content of organic matter Sodium content Water erosion	0.00 0.00 0.00 0.12 0.60 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.12	Poor Depth to bedrock Too Clayey Slope Sodium content Salinity	0.00 0.00 0.04 0.60 0.88
Razor-----	25	Poor Too clayey Low content of organic matter Depth to bedrock Droughty Water erosion	0.00 0.12 0.58 0.63 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.12	Poor Too Clayey Slope Depth to bedrock	0.00 0.37 0.58
NaB: Nevee-----	85	Fair Low content of organic matter Water erosion Carbonate content	0.50 0.90 0.92	Fair Low strength	0.22	Fair Carbonate content	0.92

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
NaC: Nevee-----	85	Fair Low content of organic matter Water erosion Carbonate content	0.50 0.90 0.92	Fair Low strength	0.22	Fair Carbonate content	0.92
NbD: Nevee-----	35	Fair Low content of organic matter Water erosion Carbonate content	0.50 0.90 0.92	Fair Low strength	0.22	Fair Slope Carbonate content	0.37 0.92
Spearfish-----	30	Poor Droughty Depth to bedrock	0.00 0.00	Poor Depth to bedrock Slope	0.00 0.50	Poor Slope Depth to bedrock	0.00 0.00
Rock Outcrop, Soft--	20	Not rated		Not rated		Not rated	
NcD: Nihill-----	85	Fair Low content of organic matter Droughty	0.12 0.91	Fair Slope	0.98	Poor Hard to reclaim Rock fragments Slope	0.00 0.00 0.00
NdA: Nunn-----	85	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Fair Shrink-swell	0.67	Poor Too Clayey	0.00
NdB: Nunn-----	85	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Fair Shrink-swell	0.67	Poor Too Clayey	0.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
NdC: Nunn-----	85	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Fair Shrink-swell	0.67	Poor Too Clayey	0.00
PaE: Pactola-----	65	Fair Cobble content Low content of organic matter Stone content Too acid	0.04 0.50 0.83 0.95	Poor Cobble content Stone content Shrink-swell	0.00 0.84 0.87	Poor Hard to reclaim Rock fragments Slope	0.00 0.00 0.63
Rock Outcrop, Hard--	20	Not rated		Not rated		Not rated	
PbE: Paunsaugunt-----	50	Poor Droughty Depth to bedrock	0.00 0.00	Poor Depth to bedrock Slope	0.00 0.00	Poor Slope Rock fragments Depth to bedrock	0.00 0.00 0.00
Rock Outcrop, Sandy-	40	Not rated		Not rated		Not rated	
PcB: Pierre-----	90	Poor Too clayey Droughty Low content of organic matter Depth to bedrock Sodium content Water erosion	0.00 0.00 0.50 0.58 0.90 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Sodium content	0.00 0.58 0.90

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
PcD: Pierre-----	85	Poor Too clayey Droughty Low content of organic matter Depth to bedrock Sodium content Water erosion	0.00 0.00 0.50 0.58 0.90 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.00	Poor Too Clayey Slope Depth to bedrock Sodium content	0.00 0.37 0.58 0.90
Pe: Rock Outcrop, Hard--	100	Not rated		Not rated		Not rated	
RaE: Rekop-----	35	Poor Droughty Depth to bedrock Low content of organic matter Carbonate content	0.00 0.00 0.12 0.80	Poor Depth to bedrock Slope	0.00 0.00	Poor Slope Depth to bedrock Rock fragments Carbonate content	0.00 0.00 0.12 0.80
Gypnevee-----	25	Fair Low content of organic matter Water erosion	0.12 0.90	Fair Slope	0.50	Poor Slope	0.00
Rock Outcrop, Sandy-	20	Not rated		Not rated		Not rated	
RbF: Rock Outcrop, Hard--	55	Not rated		Not rated		Not rated	
Pactola-----	35	Fair Cobble content Low content of organic matter Stone content Too acid	0.04 0.50 0.83 0.95	Poor Cobble content Slope Stone content Shrink-swell	0.00 0.00 0.84 0.87	Poor Hard to reclaim Rock fragments Slope	0.00 0.00 0.00
RcF: Rock Outcrop, Sandy-	40	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
Vanocker-----	40	Poor Stone content	0.00	Poor Slope Stone content Shrink-swell	0.00 0.00 0.87	Poor Slope Rock fragments Hard to reclaim	0.00 0.00 0.00
SaA: Satanta-----	90	Fair Low content of organic matter	0.88	Good		Good	
SaB: Satanta-----	90	Fair Low content of organic matter	0.88	Good		Good	
SaC: Satanta-----	85	Fair Low content of organic matter	0.88	Good		Good	
SbA: Savo-----	90	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength Shrink-swell	0.00 0.55	Good	
Tilford-----	3	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Low strength	0.78	Good	
SbB: Savo-----	90	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength Shrink-swell	0.00 0.55	Good	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
ScD: Snomo-----	55	Poor Too clayey Too acid Low content of organic matter Droughty Water erosion	0.00 0.08 0.50 0.81 0.99	Poor Low strength Depth to bedrock Shrink-swell	0.00 0.58 0.89	Poor Too Clayey Slope Too acid	0.00 0.16 0.50
Rock Outcrop, Acid--	30	Not rated		Not rated		Not rated	
Sd: Stetter Variant-----	100	Poor Too clayey Low content of organic matter Too acid Water erosion	0.00 0.50 0.84 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey	0.00
SeE: Stovho-----	70	Poor Too clayey Low content of organic matter Water erosion Too acid	0.00 0.12 0.90 0.95	Fair Shrink-swell Low strength Slope	0.62 0.78 0.82	Poor Too Clayey Slope Hard to reclaim	0.00 0.00 0.00
SgF: Stovho-----	45	Poor Too clayey Low content of organic matter Water erosion Too acid	0.00 0.12 0.90 0.95	Poor Slope Shrink-swell Low strength	0.00 0.62 0.78	Poor Slope Too Clayey Hard to reclaim	0.00 0.00 0.00
Trebor-----	30	Fair Droughty Low content of organic matter Depth to bedrock Cobble content Cobble content Too acid	0.01 0.50 0.58 0.68 0.95	Poor Depth to bedrock Slope Cobble content Shrink-swell	0.00 0.00 0.33 0.89	Poor Slope Rock fragments Depth to bedrock	0.00 0.00 0.58

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ShA: St. Onge-----	90	Good		Fair Low strength Shrink-swell	0.22 0.99	Good	
Sk: Swint-----	90	Fair Low content of organic matter Water erosion	0.50 0.90	Good		Good	
TaA: Tilford-----	85	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Low strength	0.78	Good	
TaB: Tilford-----	85	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Low strength	0.78	Good	
TaC: Tilford-----	85	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Low strength	0.78	Good	
TbE: Trebor-----	70	Fair Droughty Low content of organic matter Depth to bedrock Cobble content Too acid	0.01 0.50 0.58 0.68 0.95	Poor Depth to bedrock Cobble content Shrink-swell Slope	0.00 0.33 0.89 0.98	Poor Rock fragments Slope Depth to bedrock	0.00 0.00 0.58
Rock Outcrop, Sandy-	20	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
VaA: Vale-----	85	Fair Low content of organic matter	0.50	Fair Low strength	0.78	Good	
VaB: Vale-----	85	Fair Low content of organic matter	0.50	Fair Low strength	0.78	Good	
VaC: Vale-----	85	Fair Low content of organic matter	0.50	Fair Low strength	0.78	Good	
VbF: Vanocker-----	45	Poor Stone content	0.00	Poor Slope Stone content Shrink-swell	0.00 0.00 0.87	Poor Slope Rock fragments Hard to reclaim	0.00 0.00 0.00
Citadel-----	40	Poor Too clayey Low content of organic matter Too acid Water erosion Stone content	0.00 0.12 0.97 0.99 0.99	Poor Slope Low strength Shrink-swell	0.00 0.00 0.71	Poor Slope Too Clayey Hard to reclaim Rock fragments	0.00 0.00 0.02 0.95
VcE: Virkula-----	65	Fair Low content of organic matter Too acid	0.12 0.84	Fair Shrink-swell	0.89	Fair Hard to reclaim Slope	0.50 0.63
WaA: Weber-----	90	Fair Low content of organic matter Too sandy Stone content	0.12 0.30 0.97	Good		Poor Hard to reclaim Rock fragments Too sandy	0.00 0.00 0.30

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Wb: Winetti-----	90	Fair Low content of organic matter Droughty	0.12 0.14	Fair Cobble content	0.84	Poor Hard to reclaim Rock fragments	0.00 0.00
ww: Water (less Than 40 Acres)-----	100	Not rated		Not rated		Not rated	

