

Section II
Soil and Site Information

Construction Materials Table 2
Meade County, South Dakota,
Southern Part

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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
AlA: Altvan-----	90	Fair Low content of organic matter Water erosion	0.12 0.99	Good		Fair Hard to reclaim	0.92
AlB: Altvan-----	90	Fair Low content of organic matter Water erosion	0.12 0.99	Good		Fair Hard to reclaim	0.92
AnB: Arvada-----	90	Poor Sodium content Too alkaline Low content of organic matter Too clayey Water erosion	0.00 0.00 0.12 0.24 0.90	Poor Low strength Shrink-swell	0.00 0.12	Poor Sodium content Too Clayey Rock fragments	0.00 0.14 0.97
ArB: Arvada-----	55	Poor Sodium content Too alkaline Low content of organic matter Too clayey Water erosion	0.00 0.00 0.12 0.24 0.90	Poor Low strength Shrink-swell	0.00 0.12	Poor Sodium content Too Clayey Rock fragments	0.00 0.14 0.97
Slickspots, Dry-----	30	Not rated		Not rated		Not rated	
AsB: Assinniboine-----	85	Fair Low content of organic matter	0.50	Good		Good	
Ba: Bankard-----	85	Fair Low content of organic matter Droughty	0.12 0.92	Good		Fair Rock fragments	0.88

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
B1D: Blackpipe-----	80	Fair Depth to bedrock Droughty	0.58 0.88	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.64	Fair Depth to bedrock	0.58
BsD: Blackpipe-----	50	Fair Depth to bedrock Droughty	0.58 0.88	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.64	Fair Depth to bedrock	0.58
Shingle-----	30	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.88	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.87	Poor Depth to bedrock Slope Rock fragments	0.00 0.63 0.97
CaE: Cabbart-----	85	Poor Droughty Depth to bedrock Low content of organic matter Carbonate content	0.00 0.00 0.88 0.97	Poor Depth to bedrock Slope Low strength	0.00 0.00 0.00	Poor Slope Depth to bedrock Carbonate content	0.00 0.00 0.97
CbD: Canyon-----	50	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.88	Not Rated Depth to bedrock	0.00	Poor Depth to bedrock Rock fragments Slope	0.00 0.50 0.63
Bridget-----	30	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
CdE: Canyon-----	50	Poor Droughty Depth to bedrock Low content of organic matter	0.00 0.00 0.88	Not Rated Depth to bedrock Slope	0.00 0.08	Poor Slope Depth to bedrock Rock fragments	0.00 0.00 0.50
Butche-----	25	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 0.98	Poor Slope Depth to bedrock Rock fragments	0.00 0.00 0.00
CtE: Citadel-----	70	Fair Low content of organic matter Too acid Stone content Water erosion	0.88 0.97 0.99 0.99	Poor Low strength Slope Shrink-swell	0.00 0.50 0.74	Poor Slope Hard to reclaim Rock fragments	0.00 0.24 0.24
DaD: Delridge-----	85	Fair Depth to bedrock Low content of organic matter Droughty	0.58 0.88 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.87	Fair Depth to bedrock Slope	0.58 0.63
EaD: Enning-----	50	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	0.00 0.00	Poor Carbonate content Depth to bedrock Slope	0.00 0.00 0.16
Manvel-----	40	Fair Carbonate content Low content of organic matter Water erosion	0.46 0.50 0.90	Poor Low strength	0.00	Fair Carbonate content	0.46

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
EbE: Enning-----	65	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 Slope Low strength	0.00 0.00 0.00	Poor Slope Carbonate content Depth to bedrock	0.00 0.00 0.00
Rock Outcrop, Soft--	25	Not rated		Not rated		Not rated	
Ga: Glenberg-----	90	Fair Low content of organic matter	0.12	Good		Fair Rock fragments	0.97
GbD: Grummit-----	90	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 Shrink-swell	0.00 0.00 0.87	Poor Too Clayey Depth to bedrock Too acid Slope	0.00 0.00 0.50 0.63
GcE: Grummit-----	50	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 Shrink-swell	0.00 0.00 0.00 0.87	Poor Slope Too Clayey Depth to bedrock Too acid	0.00 0.00 0.00 0.00 0.50
Rock Outcrop, Acid--	30	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
HbB: Hisle-----	60	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----	30	Not rated		Not rated		Not rated	
Ho: Hoven-----	90	Poor Too clayey Sodium content Salinity Water erosion	0.00 0.00 0.88 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Depth to saturated zone Too Clayey Sodium content Salinity	0.00 0.00 0.00 0.00
KaA: Keith-----	90	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Good	
KaB: Keith-----	90	Fair Low content of organic matter Water erosion	0.12 0.90	Good		Good	
KbA: 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	0.00 0.78

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
KbB: 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	0.00 0.78
KcB: 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	0.00 0.78
LaD: Lakoa-----	50	Fair Low content of organic matter Too acid Too clayey	0.12 0.97 0.98	Fair Slope Low strength Shrink-swell	0.50 0.78 0.87	Poor Slope Too Clayey Hard to reclaim	0.00 0.64 0.95
Maitland-----	30	Fair Low content of organic matter Too acid	0.50 0.84	Poor Low strength Slope Shrink-swell	0.00 0.50 0.87	Poor Slope	0.00
LbE: Lismas-----	80	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.00 0.00 0.99	Poor Depth to bedrock Slope Shrink-swell Low strength	0.00 0.00 0.00 0.00	Poor Slope Too Clayey Depth to bedrock	0.00 0.00 0.00
LcD: Lismas-----	50	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.00 0.00 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Slope	0.00 0.00 0.63

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Winler-----	30	Poor Too clayey Droughty Low content of organic matter Depth to bedrock Too acid Water erosion	0.00 0.00 0.12 0.58 0.97 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Slope Rock fragments	0.00 0.58 0.63 0.88
Le: Lohmiller-----	85	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.90	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey	0.00
Lh: Glenberg-----	40	Fair Low content of organic matter	0.12	Good		Fair Rock fragments	0.97
Lohmiller-----	40	Fair Low content of organic matter Water erosion	0.12 0.90	Fair Low strength Shrink-swell	0.78 0.87	Good	
Ma: Macken-----	90	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Too Clayey Depth to saturated zone	0.00 0.00
MbB: Manvel-----	85	Fair Carbonate content Low content of organic matter Water erosion	0.46 0.50 0.90	Poor Low strength	0.00	Fair Carbonate content	0.46

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
McB: Marshbrook-----	50	Fair Low content of organic matter	0.50	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone Hard to reclaim	0.00 0.92
Cordeston-----	40	Good		Fair Shrink-swell	0.99	Good	
MdD: Midway-----	50	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 Slope Shrink-swell	0.00 0.00 0.00 0.12	Poor Depth to bedrock Too Clayey Slope Sodium content Salinity	0.00 0.00 0.00 0.60 0.88
Blackpipe-----	30	Fair Depth to bedrock Droughty	0.58 0.88	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.64	Fair Slope Depth to bedrock	0.37 0.58
NaD: Nevee-----	60	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-----	25	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 Slope Rock fragments	0.00 0.63 0.88
NbE: Nihill-----	75	Fair Low content of organic matter Droughty	0.12 0.87	Poor Slope	0.00	Poor Slope Hard to reclaim Rock fragments	0.00 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
NcA: Nunn-----	90	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Fair Shrink-swell	0.55	Poor Too Clayey	0.00
NcB: Nunn-----	90	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Fair Shrink-swell	0.55	Poor Too Clayey	0.00
NcC: Nunn-----	85	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Fair Shrink-swell	0.55	Poor Too Clayey	0.00
OaA: Onita-----	85	Poor Too clayey Low content of organic matter Water erosion	0.00 0.88 0.90	Poor Low strength Shrink-swell	0.00 0.41	Poor Too Clayey	0.00
PaE: Paunsaugunt-----	45	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-	30	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
PbB: 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 Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Sodium content	0.00 0.58 0.90
PbC: 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 Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Slope Depth to bedrock Sodium content	0.00 0.37 0.58 0.90
SaE: Samsil-----	75	Poor Too clayey Droughty Depth to bedrock Low content of organic matter Water erosion	0.00 0.00 0.00 0.50 0.99	Poor Depth to bedrock Slope Shrink-swell Low strength	0.00 0.00 0.00 0.00	Poor Slope Too Clayey Depth to bedrock	0.00 0.00 0.00
SbD: Samsil-----	45	Poor Too clayey Droughty Depth to bedrock Low content of organic matter Water erosion	0.00 0.00 0.00 0.50 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Slope	0.00 0.00 0.63

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Pierre-----	30	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 Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Slope Sodium content	0.00 0.58 0.63 0.90
ScE: Samsil-----	50	Poor Too clayey Droughty Depth to bedrock Low content of organic matter Water erosion	0.00 0.00 0.00 0.50 0.99	Poor Depth to bedrock Slope Shrink-swell Low strength	0.00 0.00 0.00 0.00	Poor Slope Too Clayey Depth to bedrock	0.00 0.00 0.00 0.00
Rock Outcrop, Soft--	30	Not rated		Not rated		Not rated	
SdA: Satanta-----	90	Fair Low content of organic matter	0.88	Good		Good	
SdB: Satanta-----	85	Fair Low content of organic matter	0.88	Good		Good	
SdC: Satanta-----	80	Fair Low content of organic matter	0.88	Good		Good	
SeA: Satanta-----	55	Fair Low content of organic matter	0.88	Good		Good	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Beckton-----	30	Poor Too clayey Too alkaline Low content of organic matter Sodium content Salinity	0.00 0.00 0.12 0.60 0.88	Poor Low strength Shrink-swell	0.00 0.15	Poor Sodium content Too Clayey Salinity Rock fragments	0.00 0.00 0.00 0.97
ShA: Savo-----	85	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.90	Poor Low strength Shrink-swell	0.00 0.60	Poor Too Clayey	0.00
SkB: Blackpipe-----	40	Fair Depth to bedrock Droughty	0.58 0.88	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.64	Fair Depth to bedrock	0.58
Savo-----	40	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.90	Poor Low strength Shrink-swell	0.00 0.60	Poor Too Clayey	0.00
SlE: Spearfish-----	55	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 0.88
Rock Outcrop, Sandstone-----	20	Not rated		Not rated		Not rated	
So: St. Onge-----	80	Good		Fair Low strength Shrink-swell	0.22 0.87	Good	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
St: Stetter-----	80	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.12	Poor Too Clayey	0.00
SwB: Swanboy-----	80	Poor Too clayey Low content of organic matter Droughty Salinity Water erosion	0.00 0.50 0.95 0.97 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey Salinity	0.00 0.00
SyB: Swanboy-----	55	Poor Too clayey Low content of organic matter Droughty Salinity Water erosion	0.00 0.50 0.95 0.97 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey Salinity	0.00 0.00
Slickspots, Dry----	35	Not rated		Not rated		Not rated	
TaA: Tilford-----	85	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Low strength	0.78	Good	
TaB: Tilford-----	80	Fair Low content of organic matter Water erosion	0.50 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
VaE: Vanocker-----	40	Poor Stone content Low content of organic matter	0.00 0.12	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-----	35	Fair Low content of organic matter Too acid Stone content Water erosion	0.88 0.97 0.99 0.99	Poor Slope Low strength Shrink-swell	0.00 0.00 0.74	Poor Slope Hard to reclaim Rock fragments	0.00 0.24 0.24
w: Water (less Than 40 Acres)-----	100	Not rated		Not rated		Not rated	
Wa: Winetti-----	80	Fair Low content of organic matter Droughty	0.12 0.23	Good		Poor Hard to reclaim Rock fragments	0.00 0.00
WbC: Winler-----	80	Poor Too clayey Droughty Low content of organic matter Depth to bedrock Too acid Water erosion	0.00 0.00 0.12 0.58 0.97 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Rock fragments	0.00 0.58 0.88

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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
WcB: Winler-----	55	Poor Too clayey Droughty Low content of organic matter Depth to bedrock Too acid Water erosion	0.00 0.00 0.12 0.58 0.97 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Rock fragments	0.00 0.58 0.88
Swanboy-----	35	Poor Too clayey Low content of organic matter Droughty Salinity Water erosion	0.00 0.50 0.95 0.97 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey Salinity	0.00 0.00
ww: Water (greater Than 40 Acres)-----	100	Not rated		Not rated		Not rated	
ZaD: Zigweid-----	50	Fair Low content of organic matter	0.50	Poor Low strength Shrink-swell	0.00 0.87	Fair Slope	0.63
Nihill-----	25	Fair Low content of organic matter Droughty	0.12 0.87	Good		Poor Hard to reclaim Rock fragments Slope	0.00 0.00 0.63

