

Section II
Soil and Site Information

Construction Materials Table 2
Davison 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
Aa: Chaska-----	80	Good		Fair Depth to saturated zone	0.53	Fair Depth to saturated zone	0.53
BaA: Beadle-----	85	Fair Too clayey Low content of organic matter Water erosion	0.32 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.12	Fair Too Clayey	0.21
BeE: Betts-----	50	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.92 0.99	Poor Slope Low strength Shrink-swell	0.00 0.00 0.87	Poor Slope Carbonate content	0.00 0.92
Ethan-----	40	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Poor Slope Low strength Shrink-swell	0.00 0.00 0.87	Poor Slope Carbonate content	0.00 0.68
BhD: Betts-----	40	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.92 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Slope Carbonate content	0.04 0.92
Ethan-----	30	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Slope Carbonate content	0.04 0.68
BlE: Betts-----	40	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.92 0.99	Poor Slope Low strength Shrink-swell	0.00 0.00 0.87	Poor Slope Carbonate content	0.00 0.92

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Gavins-----	25	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 0.00	Poor Slope Carbonate content Depth to bedrock	0.00 0.00 0.00
BmA: Blendon-----	80	Good		Good		Good	
BnA: Blendon-----	55	Good		Good		Good	
Firesteel-----	35	Poor Carbonate content Depth to bedrock Droughty Water erosion	0.00 0.58 0.77 0.90	Poor Depth to bedrock Low strength Depth to saturated zone	0.00 0.00 0.76	Poor Carbonate content Depth to bedrock Depth to saturated zone	0.00 0.58 0.76
BoA: Bon-----	85	Good		Good		Good	
Ca: Clamo-----	85	Poor Too clayey Water erosion	0.00 0.90	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.00 0.12	Poor Too Clayey Depth to saturated zone	0.00 0.00
Cc: Clamo-----	70	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 Depth to saturated zone Too Clayey Salinity	0.00 0.00 0.88

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
CeB: Clarno-----	60	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Ethan-----	25	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.68
CeC: Clarno-----	50	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Ethan-----	30	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.68
ChA: Clarno-----	45	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Houdek-----	35	Good		Poor Low strength Shrink-swell	0.00 0.87	Good	
ChB: Clarno-----	50	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Houdek-----	35	Good		Poor Low strength Shrink-swell	0.00 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
DhA: Davison-----	50	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.84 0.99	Fair Depth to saturated zone	0.98	Fair Carbonate content Depth to saturated zone	0.84 0.98
Hand-----	30	Fair Low content of organic matter	0.12	Fair Shrink-swell	0.92	Good	
DmB: Delmont-----	90	Poor Too sandy Low content of organic matter Droughty	0.00 0.12 0.68	Good		Poor Too sandy Rock fragments Hard to reclaim	0.00 0.00 0.32
EnA: Enet-----	80	Poor Too sandy Low content of organic matter	0.00 0.12	Good		Poor Too sandy Rock fragments Hard to reclaim	0.00 0.00 0.82
EOA: Enet-----	60	Poor Too sandy Low content of organic matter	0.00 0.12	Good		Poor Too sandy Rock fragments Hard to reclaim	0.00 0.00 0.82
Delmont-----	30	Poor Too sandy Low content of organic matter Droughty	0.00 0.12 0.68	Good		Poor Too sandy Rock fragments Hard to reclaim	0.00 0.00 0.32

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
EoB: Enet-----	55	Poor Too sandy Low content of organic matter	0.00 0.12	Good		Poor Too sandy Rock fragments Hard to reclaim	0.00 0.00 0.82
Delmont-----	30	Poor Too sandy Low content of organic matter Droughty	0.00 0.12 0.68	Good		Poor Too sandy Rock fragments Hard to reclaim	0.00 0.00 0.32
EsA: Dimo-----	70	Fair Low content of organic matter	0.12	Fair Depth to saturated zone	0.76	Fair Hard to reclaim Depth to saturated zone	0.08 0.76
Storla-----	25	Fair Low content of organic matter Carbonate content	0.12 0.32	Fair Depth to saturated zone	0.89	Fair Hard to reclaim Carbonate content Depth to saturated zone	0.18 0.32 0.89
EtC2: Ethan-----	40	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.68
Betts-----	25	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.92 0.99	Poor Low strength Shrink-swell	0.00 0.87	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
FeA: Fedora-----	75	Fair Carbonate content Low content of organic matter	0.46 0.88	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone Carbonate content	0.00 0.46
FSA: Firesteel-----	90	Poor Carbonate content Depth to bedrock Droughty Water erosion	0.00 0.58 0.77 0.90	Poor Depth to bedrock Low strength Depth to saturated zone	0.00 0.00 0.76	Poor Carbonate content Depth to bedrock Depth to saturated zone	0.00 0.58 0.76
GRAV: Orthents, Gravelly--	100	Fair Droughty Low content of organic matter Too sandy	0.05 0.12 0.14	Not Rated		Poor Rock fragments Too sandy Hard to reclaim	0.00 0.14 0.18
HaB: Hand-----	85	Fair Low content of organic matter	0.12	Fair Shrink-swell	0.92	Good	
HdA: Hand-----	70	Fair Low content of organic matter	0.12	Fair Shrink-swell	0.92	Good	
Davison-----	20	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.84 0.99	Fair Depth to saturated zone	0.98	Fair Carbonate content Depth to saturated zone	0.84 0.98
HkA: Houdek-----	60	Good		Poor Low strength Shrink-swell	0.00 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
Prosper-----	25	Good		Poor Low strength Shrink-swell	0.00 0.87	Good	
HpA: Houdek-----	40	Good		Poor Low strength Shrink-swell	0.00 0.87	Good	
Prosper-----	25	Good		Poor Low strength Shrink-swell	0.00 0.87	Good	
Stickney-----	20	Poor Too clayey Low content of organic matter Salinity Water erosion	0.00 0.50 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.69	Poor Too Clayey Salinity	0.00 0.00
HsA: Houdek-----	50	Good		Poor Low strength Shrink-swell	0.00 0.87	Good	
Stickney-----	35	Poor Too clayey Low content of organic matter Salinity Water erosion	0.00 0.50 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.69	Poor Too Clayey Salinity	0.00 0.00
La: Lamo-----	90	Fair Low content of organic matter Water erosion	0.88 0.90	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.53 0.87	Fair Depth to saturated zone	0.53

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
LpA: Lamo-----	45	Fair Low content of organic matter Water erosion	0.88 0.90	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.53 0.87	Fair Depth to saturated zone	0.53
Prosper-----	40	Good		Poor Low strength Shrink-swell	0.00 0.87	Good	
M-W: Miscellaneous Water-	100	Not rated		Not rated		Not rated	
PrA: Prosper-----	80	Good		Poor Low strength Shrink-swell	0.00 0.87	Good	
PrB: Prosper-----	85	Fair Carbonate content	0.80	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.80
ReA: Redstoe-----	85	Poor Carbonate content Depth to bedrock Droughty Water erosion	0.00 0.58 0.68 0.90	Poor Depth to bedrock Low strength	0.00 0.00	Poor Carbonate content Depth to bedrock	0.00 0.58
ReC: Redstoe-----	85	Poor Carbonate content Depth to bedrock Droughty Water erosion	0.00 0.58 0.68 0.90	Poor Depth to bedrock Low strength	0.00 0.00	Poor Carbonate content Depth to bedrock	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
ReD: Redstoe-----	80	Poor Carbonate content Depth to bedrock Droughty Water erosion	0.00 0.58 0.68 0.90	Poor Depth to bedrock Low strength Slope	0.00 0.00 0.98	Poor Carbonate content Slope Depth to bedrock	0.00 0.00 0.58
Sa: Salmo-----	80	Fair Salinity Carbonate content Sodium content	0.88 0.97 0.97	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.87	Poor Depth to saturated zone Salinity Carbonate content	0.00 0.00 0.97
SdA: Stickney-----	65	Poor Too clayey Low content of organic matter Salinity Water erosion	0.00 0.50 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.69	Poor Too Clayey Salinity	0.00 0.00
Dudley-----	20	Poor Sodium content Too clayey Low content of organic matter Salinity Water erosion	0.00 0.00 0.12 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.59	Poor Sodium content Too Clayey Salinity	0.00 0.00 0.50
SoA: Storla-----	70	Fair Low content of organic matter Carbonate content	0.12 0.32	Fair Depth to saturated zone	0.76	Fair Hard to reclaim Carbonate content Depth to saturated zone	0.18 0.32 0.76
StA: Arlo-----	60	Fair Low content of organic matter Carbonate content	0.12 0.68	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone Carbonate content Hard to reclaim	0.00 0.68 0.82

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Durrstein-----	25	Poor Sodium content Too clayey Low content of organic matter Salinity Water erosion	0.00 0.00 0.12 0.88 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Sodium content Depth to saturated zone Too Clayey Salinity	0.00 0.00 0.00 0.00
TeA: Tetonka-----	90	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.20	Poor Depth to saturated zone Too Clayey	0.00 0.00
TsA: Tetonka-----	45	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.20	Poor Depth to saturated zone Too Clayey	0.00 0.00
Stickney-----	40	Poor Too clayey Low content of organic matter Salinity Water erosion	0.00 0.50 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.69	Poor Too Clayey Salinity	0.00 0.00
W: Water-----	100	Not rated		Not rated		Not rated	
Wo: Worthing-----	85	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.00	Poor Too Clayey Depth to saturated zone	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
Wp: Worthing-----	85	Poor Too clayey	0.00	Poor Depth to saturated zone	0.00	Poor Too Clayey	0.00
		Water erosion	0.99	Low strength	0.00	Depth to saturated zone	0.00
				Shrink-swell	0.12		

