

Section II  
Soil and Site Information

Construction Materials Table 2  
Moody 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
Ac: Alcester-----	90	Good		Poor Low strength Shrink-swell	0.00 0.87	Good	
Ad: Alwilda-----	85	Fair Low content of organic matter Droughty	0.12 0.94	Good		Fair Hard to reclaim	0.50
Ar: Arlo-----	85	Fair Low content of organic matter Carbonate content	0.12 0.92	Poor Depth to saturated zone	0.00	Poor Depth to saturated zone Hard to reclaim Carbonate content	0.00 0.82 0.92
Ba: Baltic-----	85	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.16	Poor Depth to saturated zone Too Clayey	0.00 0.00
Bb: Baltic-----	90	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.16	Poor Depth to saturated zone Too Clayey	0.00 0.00
BeA: Blendon-----	85	Good		Good		Good	
Bo: Bon-----	85	Good		Good		Good	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ca: Chancellor-----	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
Ch: Chaska-----	90	Fair Low content of organic matter	0.88	Fair Depth to saturated zone	0.53	Fair Depth to saturated zone	0.53
Cm: Clamo-----	90	Poor Too clayey Water erosion	0.00 0.99	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
DaA: Davis-----	90	Good		Poor Low strength Shrink-swell	0.00 0.87	Good	
DaB: Davis-----	85	Good		Poor Low strength Shrink-swell	0.00 0.87	Good	
Dc: Davison-----	60	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.84 0.99	Fair Shrink-swell Depth to saturated zone	0.87 0.98	Fair Carbonate content Depth to saturated zone	0.84 0.98
Crossplain-----	30	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.14 0.64	Poor Too Clayey Depth to saturated zone	0.00 0.14

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
DeA: Delmont-----	90	Fair Low content of organic matter Too sandy Droughty	0.12 0.14 0.78	Good		Poor Rock fragments Too sandy Hard to reclaim	0.00 0.14 0.32
DgD: Delmont-----	50	Fair Low content of organic matter Too sandy Droughty	0.12 0.14 0.78	Fair Slope	0.98	Poor Rock fragments Slope Too sandy Hard to reclaim	0.00 0.00 0.14 0.32
Talmo-----	30	Poor Too sandy Low content of organic matter Droughty	0.00 0.12 0.30	Poor Slope	0.00	Poor Slope Too sandy Rock fragments Hard to reclaim	0.00 0.00 0.00 0.00
DmA: Dempster-----	85	Fair Low content of organic matter	0.12	Fair		Fair Hard to reclaim	0.02
DmB: Dempster-----	85	Fair Low content of organic matter	0.12	Fair		Fair Hard to reclaim	0.02
DnB: Dempster-----	60	Fair Low content of organic matter	0.12	Fair		Fair Hard to reclaim	0.02
Talmo-----	20	Poor Too sandy Low content of organic matter Droughty	0.00 0.12 0.30	Good		Poor Too sandy Rock fragments Hard to reclaim	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
Do: Dimo-----	85	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
DsB: Doland-----	85	Fair Low content of organic matter	0.12	Poor Low strength Shrink-swell	0.00 0.99	Good	
DvA: Doland-----	60	Fair Low content of organic matter	0.12	Poor Low strength Shrink-swell	0.00 0.99	Good	
Bonilla-----	25	Good		Poor Low strength Shrink-swell	0.00 0.91	Good	
EeB: Egan-----	60	Fair Water erosion	0.90	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
EnA: Enet-----	85	Fair Low content of organic matter	0.12	Good		Fair Hard to reclaim	0.82
EoA: Enet-----	60	Fair Low content of organic matter	0.12	Good		Fair Hard to reclaim	0.82

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Dimo-----	25	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
ErD: Ethan-----	50	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.68 0.99	Poor Low strength  Shrink-swell Slope	0.00 0.87 0.92	Poor Slope  Carbonate content	0.00  0.68
Clarno-----	35	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength  Shrink-swell	0.00 0.87	Fair Slope	0.63
EsD: Ethan-----	50	Fair Carbonate content Low content of organic matter Water erosion	0.32 0.50 0.99	Poor Low strength Shrink-swell  Slope	0.00 0.87 0.92	Poor Slope Carbonate content	0.00 0.68
Clarno-----	35	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength  Shrink-swell	0.00 0.87	Fair Slope	0.63
EtC: Ethan-----	45	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
Egan-----	40	Fair Water erosion	0.90	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
ExC: Ethan-----	50	Fair Carbonate content Low content of organic matter Water erosion	0.32 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.68
Egan-----	35	Fair Water erosion	0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
FaA: Flandreau-----	85	Good		Poor Low strength	0.00	Good	
FaB: Flandreau-----	85	Good		Poor Low strength	0.00	Good	
FmB: Flandreau-----	60	Good		Poor Low strength	0.00	Good	
Maddock-----	30	Poor Too sandy Low content of organic matter	0.00 0.88	Good		Poor Too sandy	0.00
Ga: Graceville-----	85	Good		Poor Low strength Shrink-swell	0.00 0.96	Poor Hard to reclaim	0.00
GrB: Grovena-----	85	Fair Low content of organic matter Water erosion Carbonate content Too acid	0.50 0.90 0.92 0.95	Good		Good	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
GvA: Grovena-----	60	Fair Low content of organic matter Water erosion Carbonate content Too acid	0.50 0.90 0.92 0.95	Good		Good	
Bonilla-----	25	Good		Poor Low strength Shrink-swell	0.00 0.91	Good	
HOA: Houdek-----	85	Good		Poor Low strength Shrink-swell	0.00 0.87	Good	
HoB: Houdek-----	85	Good		Poor Low strength Shrink-swell	0.00 0.87	Good	
HsC: Houdek-----	65	Good		Poor Low strength Shrink-swell	0.00 0.87	Good	
Shindler-----	20	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
HsD: Houdek-----	50	Good		Poor Low strength Shrink-swell	0.00 0.87	Fair Slope	0.63
Shindler-----	35	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell Slope	0.00 0.87 0.92	Poor Slope	0.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HtD: Houdek-----	50	Good		Poor Low strength Shrink-swell	0.00 0.87	Fair Slope	0.63
Talmo-----	35	Poor Too sandy Low content of organic matter Droughty	0.00 0.12 0.30	Poor Slope	0.00	Poor Too sandy Rock fragments Hard to reclaim Slope	0.00 0.00 0.00 0.00
HuA: Huntimer-----	90	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
KaB: Kranzburg-----	85	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.92 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
KbA: Kranzburg-----	65	Fair Low content of organic matter Carbonate content Water erosion	0.50 0.92 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Brookings-----	25	Fair Low content of organic matter Carbonate content Too clayey Water erosion	0.50 0.97 0.98 0.99	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.98

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
La: Lamo-----	85	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
Lb: Lamo-----	85	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
M-W: Miscellaneous Water-	100	Not rated		Not rated		Not rated	
MfC: Maddock-----	50	Poor Too sandy Low content of organic matter	0.00 0.88	Good		Poor Too sandy	0.00
Flandreau-----	35	Good		Poor Low strength	0.00	Good	
MnB: Moody-----	55	Fair Water erosion	0.90	Poor Low strength Shrink-swell	0.00 0.96	Good	
Nora-----	30	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
MoB: Moody-----	90	Fair Water erosion	0.90	Poor Low strength Shrink-swell	0.00 0.96	Good	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
MtA: Moody-----	65	Fair Water erosion	0.90	Poor Low strength Shrink-swell	0.00 0.96	Good	
Trent-----	25	Fair Low content of organic matter Water erosion Too clayey	0.50 0.90 0.98	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.89
NcC: Nora-----	70	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Crofton-----	20	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength	0.00	Good	
NmC: Nora-----	45	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Moody-----	40	Fair Water erosion	0.90	Poor Low strength Shrink-swell	0.00 0.96	Good	
Og: Orthents, Gravelly--	100	Fair Low content of organic matter Too sandy Droughty	0.12 0.14 0.29	Poor Slope	0.00	Poor Rock fragments Slope Too sandy Hard to reclaim	0.00 0.00 0.14 0.18

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Or: Orthents, Loamy-----	100	Fair Low content of organic matter Water erosion	0.12 0.99	Fair Low strength Shrink-swell	0.22 0.87	Good	
Sa: Salmo-----	85	Fair Salinity Carbonate content Sodium content Too clayey	0.88 0.97 0.97 0.98	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.00 0.87	Poor Depth to saturated zone Salinity Sodium content Too Clayey	0.00 0.00 0.98 0.98
ShE: Shindler-----	45	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Slope Shrink-swell	0.00 0.00 0.87	Poor Slope	0.00
Houdek-----	40	Good		Poor Low strength Slope Shrink-swell	0.00 0.50 0.87	Poor Slope	0.00
Tr: Trent-----	85	Fair Low content of organic matter Water erosion Too clayey	0.50 0.90 0.98	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.89
W: Water-----	100	Not rated		Not rated		Not rated	
Wa: Wakonda-----	55	Fair Carbonate content Water erosion	0.80 0.90	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.80

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Chancellor-----	35	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
WcA: Wentworth-----	55	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Chancellor-----	20	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
Wakonda-----	15	Fair Carbonate content Water erosion	0.80 0.90	Poor Low strength Shrink-swell	0.00 0.87	Fair Carbonate content	0.80
WeB: Wentworth-----	55	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Egan-----	30	Fair Water erosion	0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
WhA: Wentworth-----	65	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Trent-----	25	Fair Low content of organic matter Water erosion Too clayey	0.50 0.90 0.98	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.89

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Wo: Worthing-----	95	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		

