

Construction Materials and Excavating

(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 potential limitation. See text for further explanation of ratings in this table)

Map symbol and soil name	Roadfill		Topsoil		Source for sand		Source for gravel		Shallow excavations	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
10A: Sturges-----	Very limited: shrink-swell (very limited) low strength (very limited) wetness (very limited)	1.00 1.00 1.00	Very limited: too clayey (very limited) wetness (very limited) too acid (moderately limited)	1.00 1.00 0.36	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) too clayey (limited) cutbanks cave (slightly limited)	1.00 0.67 0.29
12A: Crestmeade----	Very limited: low strength (very limited) wetness (very limited) shrink-swell (limited)	1.00 1.00 0.92	Very limited: too clayey (very limited) wetness (very limited) too acid (moderately limited)	1.00 1.00 0.54	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) too clayey (moderately limited) cutbanks cave (slightly limited)	1.00 0.37 0.29
14B: Grundy-----	Very limited: low strength (very limited) shrink-swell (very limited) wetness (limited)	1.00 1.00 0.86	Very limited: too clayey (very limited) wetness (limited) too acid (slightly limited)	1.00 0.86 0.14	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) too clayey (moderately limited) cutbanks cave (slightly limited)	1.00 0.41 0.29
20F: Locksprings---	Very limited: low strength (very limited) shrink-swell (very limited) depth to bedrock (very limited)	1.00 1.00 1.00	Very limited: too clayey (very limited) depth to bedrock (very limited) wetness (limited)	1.00 1.00 0.86	Improbable: excess fines (thickest layer) large stones (thickest layer) excess fines (bottom layer)	1.00 1.00 1.00	Improbable: excess fines (thickest layer) large stones (thickest layer) excess fines (bottom layer)	1.00 1.00 1.00	Very limited: wetness (very limited) hard bedrock <40" (very limited) too clayey (limited)	1.00 1.00 0.72

Construction Materials and Excavating--Continued

Map symbol and soil name	Roadfill		Topsoil		Source for sand		Source for gravel		Shallow excavations	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
21B: Weller-----	Very limited: low strength (very limited) shrink-swell (very limited) wetness (moderately limited)	1.00 1.00 0.48	Very limited: too clayey (very limited) wetness (moderately limited) too acid (moderately limited)	1.00 0.48 0.42	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) too clayey (moderately limited) cutbanks cave (slightly limited)	1.00 0.30 0.29
22C: Weller-----	Very limited: low strength (very limited) shrink-swell (very limited) wetness (moderately limited)	1.00 1.00 0.48	Very limited: too clayey (very limited) wetness (moderately limited) too acid (moderately limited)	1.00 0.48 0.42	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) too clayey (moderately limited) cutbanks cave (slightly limited)	1.00 0.30 0.29
26C2: Chillicothe---	Very limited: low strength (very limited) shrink-swell (very limited) wetness (moderately limited)	1.00 1.00 0.48	Limited: too clayey (limited) too acid (moderately limited) wetness (moderately limited)	0.97 0.54 0.48	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) too clayey (moderately limited) cutbanks cave (slightly limited)	1.00 0.38 0.29
28C: Greenton-----	Very limited: low strength (very limited) shrink-swell (very limited) wetness (very limited)	1.00 1.00 0.99	Very limited: too clayey (very limited) wetness (very limited)	1.00 0.99	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) too clayey (moderately limited) cutbanks cave (slightly limited)	1.00 0.60 0.29
28D2: Greenton-----	Very limited: low strength (very limited) shrink-swell (very limited) wetness (very limited)	1.00 1.00 1.00	Very limited: too clayey (very limited) wetness (very limited) slope (slightly limited)	1.00 1.00 0.16	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) too clayey (moderately limited) cutbanks cave (slightly limited)	1.00 0.57 0.29

Construction Materials and Excavating--Continued

Map symbol and soil name	Roadfill		Topsoil		Source for sand		Source for gravel		Shallow excavations	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
30B: Sampsel-----	Very limited: low strength (very limited) wetness (very limited) shrink-swell (very limited)	1.00 1.00 1.00	Very limited: wetness (very limited) too clayey (limited)	1.00 0.99	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) cutbanks cave (slightly limited) too clayey (slightly limited)	1.00 0.29 0.23
34B2: Lagonda-----	Very limited: low strength (very limited) shrink-swell (very limited) wetness (limited)	1.00 1.00 0.86	Limited: wetness (limited) too clayey (limited)	0.86 0.86	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) too clayey (moderately limited) cutbanks cave (slightly limited)	1.00 0.54 0.29
34C2: Lagonda-----	Very limited: low strength (very limited) shrink-swell (very limited) wetness (limited)	1.00 1.00 0.86	Limited: too clayey (limited) wetness (limited)	0.96 0.86	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) cutbanks cave (slightly limited) too clayey (slightly limited)	1.00 0.29 0.18
36D2: Lamoni-----	Very limited: low strength (very limited) shrink-swell (very limited) wetness (very limited)	1.00 1.00 1.00	Very limited: too clayey (very limited) wetness (very limited) too acid (moderately limited)	1.00 1.00 0.48	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) too clayey (moderately limited) cutbanks cave (slightly limited)	1.00 0.47 0.29
62D2: Caleb-----	Very limited: low strength (very limited) shrink-swell (slightly limited)	1.00 0.18	Moderately limited: too clayey (moderately limited) too acid (moderately limited) slope (slightly limited)	0.50 0.42 0.16	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 0.70	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Limited: wetness (limited) cutbanks cave (slightly limited) slope (slightly limited)	0.95 0.29 0.16

Construction Materials and Excavating--Continued

Map symbol and soil name	Roadfill		Topsoil		Source for sand		Source for gravel		Shallow excavations	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
70C2: Dawn-----	Very limited: depth to bedrock (very limited) wetness (limited)	1.00 0.86	Limited: wetness (limited) depth to bedrock (limited) small stones (slightly limited)	0.86 0.75 0.12	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) cutbanks cave (slightly limited) soft bedrock (slightly limited)	1.00 0.29 0.03
72F: Gosport-----	Very limited: low strength (very limited) shrink-swell (very limited) depth to bedrock (very limited)	1.00 1.00 1.00	Very limited: slope >15% (very limited) too clayey (very limited) too acid (limited)	1.00 1.00 0.60	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: slope >15% (very limited) too clayey (moderately limited) cutbanks cave (slightly limited)	1.00 0.33 0.29
73: Sandover-----	Moderately limited: wetness (moderately limited)	0.33	Very limited: too sandy (very limited) wetness (moderately limited) too acid (slightly limited)	1.00 0.33 0.14	Possible: possible source (thickest layer) possible source (bottom layer)	0.10 0.10	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: cutbanks cave (very limited) wetness (very limited) flooding (moderately limited)	1.00 1.00 0.60
74: Dockery-----	Limited: wetness (limited) shrink-swell (moderately limited)	0.86 0.45	Limited: wetness (limited)	0.86	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) flooding (moderately limited) cutbanks cave (slightly limited)	1.00 0.60 0.29
78: Colo-----	Very limited: low strength (very limited) wetness (very limited) shrink-swell (moderately limited)	1.00 1.00 0.45	Very limited: wetness (very limited) too acid (slightly limited)	1.00 0.10	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) flooding (moderately limited) cutbanks cave (slightly limited)	1.00 0.60 0.29

Construction Materials and Excavating--Continued

Map symbol and soil name	Roadfill		Topsoil		Source for sand		Source for gravel		Shallow excavations	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
80: Tice-----	Very limited: wetness (very limited) shrink-swell (moderately limited) low strength (slightly limited)	1.00 0.45 0.22	Very limited: wetness (very limited) too acid (slightly limited)	1.00 0.08	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) flooding (moderately limited) cutbanks cave (slightly limited)	1.00 0.60 0.29
81: Tice-----	Limited: wetness (limited) shrink-swell (moderately limited) low strength (slightly limited)	0.93 0.45 0.22	Limited: wetness (limited) too acid (moderately limited)	0.93 0.42	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) flooding (moderately limited) cutbanks cave (slightly limited)	1.00 0.60 0.29
82A: Triplett----	Very limited: low strength (very limited) wetness (very limited) shrink-swell (very limited)	1.00 1.00 1.00	Very limited: too clayey (very limited) wetness (very limited) too acid (slightly limited)	1.00 1.00 0.30	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) too clayey (moderately limited) cutbanks cave (slightly limited)	1.00 0.51 0.29
84: Vesser-----	Very limited: low strength (very limited) wetness (very limited) shrink-swell (moderately limited)	1.00 1.00 0.45	Very limited: wetness (very limited) too acid (moderately limited)	1.00 0.54	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) flooding (moderately limited) cutbanks cave (slightly limited)	1.00 0.60 0.29
92: Carlow-----	Very limited: low strength (very limited) wetness (very limited) shrink-swell (very limited)	1.00 1.00 1.00	Very limited: too clayey (very limited) wetness (very limited) too acid (slightly limited)	1.00 1.00 0.30	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) too clayey (limited) flooding (moderately limited)	1.00 0.66 0.60

Construction Materials and Excavating--Continued

Map symbol and soil name	Roadfill		Topsoil		Source for sand		Source for gravel		Shallow excavations	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
94: Zook-----	Very limited: low strength (very limited) wetness (very limited) shrink-swell (very limited)	1.00 1.00 1.00	Very limited: wetness (very limited) too clayey (very limited) too acid (slightly limited)	1.00 1.00 0.10	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) flooding (moderately limited) too clayey (moderately limited)	1.00 0.60 0.49
98: Wabash-----	Very limited: shrink-swell (very limited) low strength (very limited) wetness (very limited)	1.00 1.00 1.00	Very limited: too clayey (very limited) wetness (very limited) too acid (slightly limited)	1.00 1.00 0.26	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Very limited: wetness (very limited) too clayey (limited) flooding (moderately limited)	1.00 0.64 0.60
99F: Putco-----	Very limited: shrink-swell (very limited) low strength (very limited)	1.00 1.00	Very limited: too clayey (very limited) small stones >20% (very limited) area reclaim (limited)	1.00 1.00 0.68	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Moderately limited: too clayey (moderately limited) slope (moderately limited) cutbanks cave (slightly limited)	0.60 0.37 0.29
Pits-----	Not rated		Not rated		Not rated		Not rated		Not rated	
Dumps-----	Not rated		Not rated		Not rated		Not rated		Not rated	
99002: Orthents-----	Moderately limited: shrink-swell (moderately limited)	0.45	Slightly limited: too clayey (slightly limited)	0.02	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Improbable: excess fines (thickest layer) excess fines (bottom layer)	1.00 1.00	Not limited	
99005: Orthents-----	Not rated		Not rated		Not rated		Not rated		Not rated	
M-W: Miscellaneous water-----	Not rated		Not rated		Not rated		Not rated		Not rated	

Construction Materials and Excavating--Continued

Map symbol and soil name	Roadfill		Topsoil		Source for sand		Source for gravel		Shallow excavations	
	Rating class and limiting features	Value								
W: Water-----	Not rated									