

Construction Materials and Excavating

(The information in this report indicates the dominant soil condition but does not eliminate the need for onsite investigation. The numbers in the value columns range from 0.00 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	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value
60003: Menfro-----	Very limited ~low strength (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Limited ~slope (limited)	0.63	Limited ~slope (limited)	0.63
	~shrink-swell (moderately limited)	0.45	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (limited)	0.61	~cutbanks cave (slightly limited)	0.29
									~too clayey (slightly limited)	0.06
60024: Menfro-----	Very limited ~low strength (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Limited ~too clayey (limited)	0.63	Slightly limited ~cutbanks cave (slightly limited)	0.29
	~shrink-swell (moderately limited)	0.45	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too acid (slightly limited)	0.18	~too clayey (slightly limited)	0.07
60025: Urban land----	Not rated		Not rated		Not rated		Not rated		Not rated	
Harvester-----	Very limited ~low strength (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Moderately limited ~too clayey (moderately limited)	0.50	Moderately limited ~wetness (moderately limited)	0.56
	~shrink-swell (moderately limited)	0.45	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too acid (slightly limited)	0.24	~cutbanks cave (slightly limited)	0.29
60037: Wrengart-----	Very limited ~low strength (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Limited ~excess fines (thickest layer)	1.00	Limited ~too clayey (limited)	0.66	Very limited ~wetness (very limited)	1.00
	~shrink-swell (moderately limited)	0.45	~excess fines (bottom layer)	1.00	~small stones (bottom layer)	0.83	~slope (limited)	0.63	~slope (limited)	0.63
	~wetness (slightly limited)	0.15	~small stones (bottom layer)	0.83	~excess fines (bottom layer)	0.75	~wetness (slightly limited)	0.15	~cutbanks cave (slightly limited)	0.29
60038: Pevely-----	Very limited ~depth to bedrock (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~cutbanks cave (very limited)	1.00
	~slope (moderately limited)	0.50	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~depth to bedrock (limited)	0.62	~hard bedrock <40" (very limited)	1.00
	~shrink-swell (slightly limited)	0.28					~too clayey (slightly limited)	0.25	~slope (very limited)	1.00

Construction Materials and Excavating--Continued

Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value
60043: Menfro-----	Very limited ~slope (very limited) ~low strength (very limited) ~shrink-swell (moderately limited)	 1.00 1.00 0.45	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	 1.00 1.00	Very limited ~excess fines (bottom layer) ~excess fines (thickest layer)	 1.00 1.00	Very limited ~slope (very limited) ~too clayey (moderately limited) ~too acid (slightly limited)	 1.00 0.46 0.18	Very limited ~slope (very limited) ~cutbanks cave (slightly limited)	 1.00 0.29
60044: Minnith-----	Very limited ~low strength (very limited) ~shrink-swell (slightly limited)	 1.00 0.04	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	 1.00 1.00	Very limited ~excess fines (bottom layer) ~excess fines (thickest layer)	 1.00 1.00	Moderately limited ~too clayey (moderately limited) ~too acid (slightly limited)	 0.33 0.24	Limited ~wetness (limited) ~cutbanks cave (slightly limited)	 0.95 0.29
60045: Minnith-----	Very limited ~low strength (very limited) ~shrink-swell (slightly limited)	 1.00 0.04	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	 1.00 1.00	Very limited ~excess fines (bottom layer) ~excess fines (thickest layer)	 1.00 1.00	Limited ~slope (limited) ~too clayey (moderately limited) ~too acid (slightly limited)	 0.63 0.33 0.24	Limited ~wetness (limited) ~slope (limited) ~cutbanks cave (slightly limited)	 0.95 0.63 0.29
60046: Minnith-----	Very limited ~low strength (very limited) ~slope (limited) ~shrink-swell (slightly limited)	 1.00 0.92 0.04	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	 1.00 1.00	Very limited ~excess fines (bottom layer) ~excess fines (thickest layer)	 1.00 1.00	Very limited ~slope (very limited) ~too clayey (moderately limited) ~too acid (slightly limited)	 1.00 0.33 0.24	Very limited ~slope (very limited) ~wetness (limited) ~cutbanks cave (slightly limited)	 1.00 0.95 0.29
60047: Urban land-----	Not rated		Not rated		Not rated		Not rated		Not rated	
Harvester-----	Very limited ~low strength (very limited) ~shrink-swell (moderately limited)	 1.00 0.45	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	 1.00 1.00	Very limited ~excess fines (bottom layer) ~excess fines (thickest layer)	 1.00 1.00	Limited ~slope (limited) ~too clayey (moderately limited) ~too acid (slightly limited)	 0.63 0.50 0.24	Limited ~slope (limited) ~wetness (moderately limited) ~cutbanks cave (slightly limited)	 0.63 0.56 0.29

Construction Materials and Excavating--Continued

Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value
60048:										
Weingarten-----	Very limited		Very limited		Possible source		Very limited		Very limited	
	~low strength	1.00	~excess fines	1.00	~excess fines	1.00	~slope	1.00	~slope	1.00
	(very limited)		(thickest layer)		(thickest layer)		(very limited)		(very limited)	
	~slope	1.00	~excess fines	1.00	~possible source	0.25	~too clayey	0.66	~cutbanks cave	1.00
	(very limited)		(bottom layer)		(bottom layer)		(limited)		(very limited)	
	~shrink-swell	0.40					~too acid	0.24	~too clayey	0.09
	(moderately limited)						(slightly limited)		(slightly limited)	
60049:										
Urban land-----	Not rated		Not rated		Not rated		Not rated		Not rated	
Horsecreek-----	Very limited		Very limited		Very limited		Not limited		Slightly limited	
	~low strength	1.00	~excess fines	1.00	~excess fines	1.00			~cutbanks cave	0.29
	(very limited)		(thickest layer)		(bottom layer)				(slightly limited)	
			~excess fines	1.00	~excess fines	1.00				
			(bottom layer)		(thickest layer)					
60050:										
Urban land-----	Not rated		Not rated		Not rated		Not rated		Not rated	
Deible-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~wetness	1.00	~excess fines	1.00	~excess fines	1.00	~wetness	1.00	~wetness	1.00
	(very limited)		(thickest layer)		(bottom layer)		(very limited)		(very limited)	
			~excess fines	1.00	~excess fines	1.00			~too clayey	0.60
			(bottom layer)		(thickest layer)				(moderately limited)	
									~cutbanks cave	0.29
									(slightly limited)	
64007:										
Freeburg-----	Very limited		Very limited		Very limited		Limited		Very limited	
	~low strength	1.00	~excess fines	1.00	~excess fines	1.00	~wetness	0.91	~wetness	1.00
	(very limited)		(thickest layer)		(bottom layer)		(limited)		(very limited)	
	~wetness	0.91	~excess fines	1.00	~excess fines	1.00	~too clayey	0.50	~flooding	0.60
	(limited)		(bottom layer)		(thickest layer)		(moderately limited)		(moderately limited)	
	~shrink-swell	0.30					~too acid	0.36	~cutbanks cave	0.29
	(slightly limited)						(moderately limited)		(slightly limited)	
64008, 64009:										
Freeburg-----	Very limited		Very limited		Very limited		Limited		Very limited	
	~low strength	1.00	~excess fines	1.00	~excess fines	1.00	~wetness	0.91	~wetness	1.00
	(very limited)		(thickest layer)		(bottom layer)		(limited)		(very limited)	
	~wetness	0.91	~excess fines	1.00	~excess fines	1.00	~too clayey	0.50	~cutbanks cave	0.29
	(limited)		(bottom layer)		(thickest layer)		(moderately limited)		(slightly limited)	
	~shrink-swell	0.30					~too acid	0.36		
	(slightly limited)						(moderately limited)			

Construction Materials and Excavating--Continued

Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value
66000:										
Moniteau-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~wetness (very limited)	1.00	~excess fines (thickest layer)	1.00	~excess fines (bottom layer)	1.00	~wetness (very limited)	1.00	~wetness (very limited)	1.00
	~low strength (very limited)	1.00	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (slightly limited)	0.25	~flooding (moderately limited)	0.60
	~shrink-swell (moderately limited)	0.37					~too acid (slightly limited)	0.24	~cutbanks cave (slightly limited)	0.29
66014:										
Haymond-----	Not limited		Very limited		Very limited		Not limited		Moderately limited	
			~excess fines (thickest layer)	1.00	~excess fines (bottom layer)	1.00			~flooding (moderately limited)	0.60
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00			~cutbanks cave (slightly limited)	0.29
66020:										
Haynie-----	Not limited		Very limited		Very limited		Slightly limited		Moderately limited	
			~excess fines (thickest layer)	1.00	~excess fines (bottom layer)	1.00	~excess lime (slightly limited)	0.03	~flooding (moderately limited)	0.60
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00			~cutbanks cave (slightly limited)	0.29
66024:										
Wilbur-----	Limited		Very limited		Very limited		Limited		Very limited	
	~wetness (limited)	0.86	~excess fines (thickest layer)	1.00	~excess fines (bottom layer)	1.00	~wetness (limited)	0.86	~wetness (very limited)	1.00
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00			~flooding (moderately limited)	0.60
									~cutbanks cave (slightly limited)	0.29
66050:										
Tice-----	Very limited		Very limited		Very limited		Limited		Very limited	
	~low strength (very limited)	1.00	~excess fines (thickest layer)	1.00	~excess fines (bottom layer)	1.00	~wetness (limited)	0.71	~wetness (very limited)	1.00
	~wetness (limited)	0.71	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00			~flooding (moderately limited)	0.60
	~shrink-swell (moderately limited)	0.45							~cutbanks cave (slightly limited)	0.29

Construction Materials and Excavating--Continued

Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value
66051:										
Perche-----	Slightly limited		Very limited		Very limited		Slightly limited		Very limited	
	~wetness	0.21	~excess fines	1.00	~excess fines	1.00	~wetness	0.21	~cutbanks cave	1.00
	(slightly limited)		(thickest layer)		(bottom layer)		(slightly limited)		(very limited)	
			~excess fines	1.00	~excess fines	1.00	~too sandy	0.20	~wetness	1.00
			(bottom layer)		(thickest layer)		(slightly limited)		(very limited)	
									~flooding	0.60
									(moderately limited)	
66052:										
Waldron-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~low strength	1.00	~excess fines	1.00	~excess fines	1.00	~too clayey	1.00	~wetness	1.00
	(very limited)		(thickest layer)		(bottom layer)		(very limited)		(very limited)	
	~shrink-swell	1.00	~excess fines	1.00	~excess fines	1.00	~wetness	0.48	~flooding	0.60
	(very limited)		(bottom layer)		(thickest layer)		(moderately limited)		(moderately limited)	
	~wetness	0.48							~too clayey	0.38
	(moderately limited)								(moderately limited)	
66053:										
Fishpot-----	Very limited		Very limited		Very limited		Not limited		Limited	
	~low strength	1.00	~excess fines	1.00	~excess fines	1.00			~wetness	0.82
	(very limited)		(thickest layer)		(bottom layer)				(limited)	
	~shrink-swell	0.45	~excess fines	1.00	~excess fines	1.00			~cutbanks cave	0.29
	(moderately limited)		(bottom layer)		(thickest layer)				(slightly limited)	
Urban land----	Not rated		Not rated		Not rated		Not rated		Not rated	
73046:										
Wrengart-----	Very limited		Very limited		Very limited		Limited		Very limited	
	~low strength	1.00	~excess fines	1.00	~excess fines	1.00	~too clayey	0.65	~cutbanks cave	1.00
	(very limited)		(thickest layer)		(bottom layer)		(limited)		(very limited)	
	~shrink-swell	0.45	~excess fines	1.00	~excess fines	1.00	~wetness	0.15	~wetness	1.00
	(moderately limited)		(bottom layer)		(thickest layer)		(slightly limited)		(very limited)	
	~wetness	0.15							~too clayey	0.08
	(slightly limited)								(slightly limited)	
73090:										
Useful-----	Very limited		Very limited		Very limited		Slightly limited		Limited	
	~low strength	1.00	~excess fines	1.00	~excess fines	1.00	~too acid	0.12	~wetness	0.99
	(very limited)		(thickest layer)		(bottom layer)		(slightly limited)		(limited)	
	~shrink-swell	1.00	~excess fines	1.00	~excess fines	1.00	~wetness	0.03	~too clayey	0.51
	(very limited)		(bottom layer)		(thickest layer)		(slightly limited)		(moderately limited)	
	~depth to bedrock	0.10							~depth to bedrock	0.35
	(slightly limited)								(moderately limited)	

Construction Materials and Excavating--Continued

Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value
73200: Sonsac-----	Very limited ~depth to bedrock (very limited) ~shrink-swell (very limited)	1.00 1.00 1.00	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00 1.00 1.00	Possible source ~excess fines (bottom layer) ~possible source (thickest layer)	1.00 1.00 0.42	Very limited ~small stones (very limited) ~too clayey (very limited) ~depth to bedrock (limited)	1.00 1.00 1.00 0.97	Very limited ~cutbanks cave (very limited) ~hard bedrock <40" (very limited) ~too clayey (limited)	1.00 1.00 1.00 0.99
73201: Sonsac-----	Very limited ~depth to bedrock (very limited) ~slope (very limited) ~shrink-swell (very limited)	1.00 1.00 1.00	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00 1.00	Possible source ~excess fines (bottom layer) ~possible source (thickest layer)	1.00 0.42	Very limited ~slope (very limited) ~small stones (very limited) ~too clayey (very limited)	1.00 1.00 1.00	Very limited ~slope (very limited) ~cutbanks cave (very limited) ~hard bedrock <40" (very limited)	1.00 1.00 1.00
73202: Rueter-----	Not limited		Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00 1.00	Possible source ~possible source (bottom layer) ~possible source (thickest layer)	0.50 0.25	Very limited ~small stones (very limited) ~area reclaim (very limited) ~large stones (limited)	1.00 1.00 0.64	Very limited ~cutbanks cave (very limited) ~too clayey (very limited) ~slope (slightly limited)	1.00 1.00 1.00 0.04
73203: Rueter-----	Very limited ~slope (very limited)	1.00	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00 1.00	Possible source ~possible source (bottom layer) ~possible source (thickest layer)	0.50 0.25	Very limited ~slope (very limited) ~small stones (very limited) ~area reclaim (very limited)	1.00 1.00 1.00	Very limited ~slope (very limited) ~cutbanks cave (very limited) ~too clayey (very limited)	1.00 1.00 1.00
Sonsac-----	Very limited ~depth to bedrock (very limited) ~slope (very limited) ~shrink-swell (very limited)	1.00 1.00 1.00	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00 1.00	Possible source ~excess fines (bottom layer) ~possible source (thickest layer)	1.00 0.42	Very limited ~slope (very limited) ~small stones (very limited) ~too clayey (very limited)	1.00 1.00 1.00	Very limited ~slope (very limited) ~cutbanks cave (very limited) ~hard bedrock <40" (very limited)	1.00 1.00 1.00

Construction Materials and Excavating--Continued

Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value
73204:										
Ramsey-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~depth to bedrock (very limited)	1.00	~excess fines (bottom layer)	1.00	~excess fines (bottom layer)	1.00	~depth to bedrock (very limited)	1.00	~hard bedrock <40" (very limited)	1.00
	~slope (very limited)	1.00	~excess fines (thickest layer)	0.99	~excess fines (thickest layer)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00
							~too sandy (limited)	0.87	~cutbanks cave (slightly limited)	0.29
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	
73205:										
Useful-----	Very limited		Very limited		Very limited		Limited		Very limited	
	~low strength (very limited)	1.00	~excess fines (thickest layer)	1.00	~excess fines (bottom layer)	1.00	~slope (limited)	0.63	~cutbanks cave (very limited)	1.00
	~shrink-swell (very limited)	1.00	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too acid (slightly limited)	0.12	~wetness (limited)	0.99
	~depth to bedrock (slightly limited)	0.10					~wetness (slightly limited)	0.03	~slope (limited)	0.63
73206:										
Useful-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~low strength (very limited)	1.00	~excess fines (thickest layer)	1.00	~excess fines (bottom layer)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00
	~slope (very limited)	1.00	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too acid (slightly limited)	0.12	~cutbanks cave (very limited)	1.00
	~shrink-swell (very limited)	1.00					~wetness (slightly limited)	0.03	~wetness (limited)	0.99
73207:										
Caneyville----	Very limited		Very limited		Very limited		Limited		Very limited	
	~low strength (very limited)	1.00	~excess fines (thickest layer)	1.00	~excess fines (bottom layer)	1.00	~depth to bedrock (limited)	0.89	~hard bedrock <40" (very limited)	1.00
	~depth to bedrock (very limited)	1.00	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (limited)	0.83	~too clayey (limited)	0.68
	~shrink-swell (moderately limited)	0.45							~cutbanks cave (slightly limited)	0.29
73208:										
Caneyville----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~low strength (very limited)	1.00	~excess fines (thickest layer)	1.00	~excess fines (bottom layer)	1.00	~small stones (very limited)	1.00	~cutbanks cave (very limited)	1.00
	~depth to bedrock (very limited)	1.00	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (very limited)	1.00	~hard bedrock <40" (very limited)	1.00
	~shrink-swell (moderately limited)	0.30					~depth to bedrock (limited)	0.79	~too clayey (limited)	0.91

Construction Materials and Excavating--Continued

Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value
73209: Caneyville-----	Very limited ~low strength (very limited) ~depth to bedrock (very limited) ~slope (limited)	 1.00 1.00 0.67	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	 1.00 1.00	Very limited ~excess fines (bottom layer) ~excess fines (thickest layer)	 1.00 1.00	Very limited ~slope (very limited) ~small stones (very limited) ~too clayey (very limited)	 1.00 1.00 1.00	Very limited ~slope (very limited) ~cutbanks cave (very limited) ~hard bedrock <40" (very limited)	 1.00 1.00 1.00
73210: Goss-----	Very limited ~slope (very limited) ~large stones (limited) ~shrink-swell (moderately limited)	 1.00 0.70 0.45	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer) ~small stones (thickest layer)	 1.00 1.00 0.83	Limited ~excess fines (bottom layer) ~small stones (thickest layer) ~small stones (bottom layer)	 1.00 0.83 0.83	Very limited ~slope (very limited) ~too clayey (very limited) ~large surface stones (very limited)	 1.00 1.00 1.00	Very limited ~slope (very limited) ~too clayey (very limited) ~large stones (limited)	 1.00 1.00 0.70
73211: Gasconade-----	Very limited ~depth to bedrock (very limited) ~shrink-swell (very limited)	 1.00 1.00	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	 1.00 1.00	Limited ~excess fines (bottom layer) ~excess fines (thickest layer)	 1.00 0.99	Very limited ~depth to bedrock (very limited) ~small stones (very limited) ~large surface stones (very limited)	 1.00 1.00 1.00	Very limited ~hard bedrock <40" (very limited) ~too clayey (limited) ~cutbanks cave (slightly limited)	 1.00 0.64 0.29
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	
73212: Gasconade-----	Very limited ~depth to bedrock (very limited) ~slope (very limited) ~shrink-swell (very limited)	 1.00 1.00 1.00	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	 1.00 1.00	Limited ~excess fines (bottom layer) ~excess fines (thickest layer)	 1.00 0.99	Very limited ~depth to bedrock (very limited) ~slope (very limited) ~small stones (very limited)	 1.00 1.00 1.00	Very limited ~hard bedrock <40" (very limited) ~slope (very limited) ~too clayey (limited)	 1.00 1.00 0.64
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	

Construction Materials and Excavating--Continued

Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value
73213:										
Moko-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~depth to bedrock (very limited)	1.00	~excess fines (thickest layer)	1.00	~excess fines (bottom layer)	1.00	~depth to bedrock (very limited)	1.00	~hard bedrock <40" (very limited)	1.00
	~large stones (slightly limited)	0.16	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~small stones (very limited)	1.00	~cutbanks cave (slightly limited)	0.29
							~large surface stones (very limited)	1.00	~large stones (slightly limited)	0.16
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	
73214:										
Moko-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~depth to bedrock (very limited)	1.00	~excess fines (thickest layer)	1.00	~excess fines (bottom layer)	1.00	~depth to bedrock (very limited)	1.00	~hard bedrock <40" (very limited)	1.00
	~slope (very limited)	1.00	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00
	~large stones (slightly limited)	0.16					~small stones (very limited)	1.00	~cutbanks cave (slightly limited)	0.29
Rock outcrop---	Not rated		Not rated		Not rated		Not rated		Not rated	
73215:										
Crider-----	Very limited		Very limited		Very limited		Limited		Slightly limited	
	~low strength (very limited)	1.00	~excess fines (thickest layer)	1.00	~excess fines (bottom layer)	1.00	~too clayey (limited)	0.61	~cutbanks cave (slightly limited)	0.29
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00			~too clayey (slightly limited)	0.27
73216:										
Crider-----	Very limited		Very limited		Very limited		Limited		Limited	
	~low strength (very limited)	1.00	~excess fines (thickest layer)	1.00	~excess fines (bottom layer)	1.00	~slope (limited)	0.63	~slope (limited)	0.63
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too clayey (limited)	0.61	~cutbanks cave (slightly limited)	0.29
									~too clayey (slightly limited)	0.27
73217:										
Useful-----	Very limited		Very limited		Very limited		Very limited		Very limited	
	~low strength (very limited)	1.00	~excess fines (thickest layer)	1.00	~excess fines (bottom layer)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00
	~slope (very limited)	1.00	~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00	~too acid (slightly limited)	0.12	~cutbanks cave (very limited)	1.00
	~shrink-swell (very limited)	1.00					~wetness (slightly limited)	0.03	~wetness (limited)	0.99

Construction Materials and Excavating--Continued

Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value
73217: Sonsac-----	Very limited ~depth to bedrock (very limited) ~slope (very limited) ~shrink-swell (very limited)	1.00 1.00 1.00	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00 1.00	Possible source ~excess fines (bottom layer) ~possible source (thickest layer)	1.00 0.42	Very limited ~slope (very limited) ~small stones (very limited) ~too clayey (very limited)	1.00 1.00 1.00	Very limited ~slope (very limited) ~cutbanks cave (very limited) ~hard bedrock <40" (very limited)	1.00 1.00 1.00
73218: Tiff-----	Very limited ~low strength (very limited) ~shrink-swell (moderately limited) ~large stones (slightly limited)	1.00 0.45 0.10	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer) ~small stones (thickest layer)	1.00 1.00 0.10	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer) ~small stones (thickest layer)	1.00 1.00 0.10	Very limited ~too clayey (very limited) ~small stones (very limited) ~area reclaim (limited)	1.00 1.00 0.68	Limited ~too clayey (limited) ~cutbanks cave (slightly limited) ~slope (slightly limited)	0.99 0.29 0.16
73219: Rueter-----	Very limited ~slope (very limited)	1.00	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00 1.00	Possible source ~possible source (bottom layer) ~possible source (thickest layer)	0.50 0.25	Very limited ~slope (very limited) ~small stones (very limited) ~area reclaim (very limited)	1.00 1.00 1.00	Very limited ~slope (very limited) ~cutbanks cave (very limited) ~too clayey (very limited)	1.00 1.00 1.00
74644: Deible-----	Very limited ~wetness (very limited)	1.00	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00 1.00	Very limited ~excess fines (bottom layer) ~excess fines (thickest layer)	1.00 1.00	Very limited ~wetness (very limited)	1.00	Very limited ~wetness (very limited) ~too clayey (moderately limited) ~cutbanks cave (slightly limited)	1.00 0.60 0.29
74675: Horsecreek-----	Very limited ~low strength (very limited)	1.00	Very limited ~excess fines (thickest layer) ~excess fines (bottom layer)	1.00 1.00	Very limited ~excess fines (bottom layer) ~excess fines (thickest layer)	1.00 1.00	Not limited		Slightly limited ~cutbanks cave (slightly limited)	0.29
74676: Urban land-----	Not rated		Not rated		Not rated		Not rated		Not rated	

Construction Materials and Excavating--Continued

Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value
74676:										
Freeburg-----	Very limited		Very limited		Very limited		Limited		Very limited	
	~low strength	1.00	~excess fines	1.00	~excess fines	1.00	~wetness	0.91	~wetness	1.00
	(very limited)		(thickest layer)		(bottom layer)		(limited)		(very limited)	
	~wetness	0.91	~excess fines	1.00	~excess fines	1.00	~too clayey	0.50	~cutbanks cave	0.29
	(limited)		(bottom layer)		(thickest layer)		(moderately limited)		(slightly limited)	
	~shrink-swell	0.30					~too acid	0.36		
	(slightly limited)						(moderately limited)			
75375:										
Horsecreek----	Very limited		Very limited		Very limited		Not limited		Moderately limited	
	~low strength	1.00	~excess fines	1.00	~excess fines	1.00			~flooding	0.60
	(very limited)		(thickest layer)		(bottom layer)				(moderately limited)	
			~excess fines	1.00	~excess fines	1.00			~cutbanks cave	0.29
			(bottom layer)		(thickest layer)				(slightly limited)	
75385:										
Gabriel-----	Very limited		Very limited		Very limited		Limited		Very limited	
	~low strength	1.00	~excess fines	1.00	~excess fines	1.00	~wetness	0.98	~wetness	1.00
	(very limited)		(thickest layer)		(bottom layer)		(limited)		(very limited)	
	~wetness	0.98	~excess fines	1.00	~excess fines	1.00	~too clayey	0.33	~flooding	0.60
	(limited)		(bottom layer)		(thickest layer)		(moderately limited)		(moderately limited)	
	~shrink-swell	0.37							~cutbanks cave	0.29
	(moderately limited)								(slightly limited)	
75390:										
Razort-----	Not limited		Very limited		Very limited		Very limited		Very limited	
			~excess fines	1.00	~excess fines	1.00	~area reclaim	1.00	~cutbanks cave	1.00
			(thickest layer)		(thickest layer)		(very limited)		(very limited)	
			~excess fines	1.00	~excess fines	1.00				
			(bottom layer)		(bottom layer)					
75398:										
Kaintuck-----	Not limited		Very limited		Very limited		Moderately limited		Very limited	
			~excess fines	1.00	~excess fines	1.00	~too sandy	0.40	~cutbanks cave	1.00
			(thickest layer)		(bottom layer)		(moderately limited)		(very limited)	
			~excess fines	1.00	~excess fines	1.00			~flooding	0.60
			(bottom layer)		(thickest layer)				(moderately limited)	
75450:										
Bloomsdale-----	Slightly limited		Very limited		Possible source		Very limited		Very limited	
	~shrink-swell	0.07	~excess fines	1.00	~excess fines	1.00	~area reclaim	1.00	~cutbanks cave	1.00
	(slightly limited)		(thickest layer)		(thickest layer)		(very limited)		(very limited)	
			~excess fines	1.00	~possible source	0.33			~flooding	0.60
			(bottom layer)		(bottom layer)				(moderately limited)	
			~small stones	0.10	~small stones	0.10				
			(thickest layer)		(thickest layer)					

Construction Materials and Excavating--Continued

Map symbol and soil name	Source for roadfill		Source for sand		Source for gravel		Source for topsoil		Shallow excavations	
	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value	Limitation	Value
75452: Gladden-----	Not limited		Very limited ~excess fines (thickest layer)	1.00	Possible source ~excess fines (thickest layer)	1.00	Very limited ~area reclaim (very limited)	1.00	Very limited ~cutbanks cave (very limited)	1.00
			~excess fines (bottom layer)	1.00	~possible source (bottom layer)	0.42	~too sandy (moderately limited)	0.40	~flooding (moderately limited)	0.60
75453: Sturkie-----	Very limited ~low strength (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Not limited		Moderately limited ~flooding (moderately limited)	0.60
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00			~cutbanks cave (slightly limited)	0.29
75454: Urban land-----	Not rated		Not rated		Not rated		Not rated		Not rated	
Razort-----	Not limited		Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~area reclaim (very limited)	1.00	Very limited ~cutbanks cave (very limited)	1.00
			~excess fines (bottom layer)	1.00	~excess fines (bottom layer)	1.00				
99000: Pits, quarries-----	Not rated		Not rated		Not rated		Not rated		Not rated	
99001: Water-----	Not rated		Not rated		Not rated		Not rated		Not rated	
99003: Miscellaneous water-----	Not rated		Not rated		Not rated		Not rated		Not rated	
99005: Landfills-----	Not rated		Not rated		Not rated		Not rated		Not rated	
99009: Udorthents-----	Very limited ~low strength (very limited)	1.00	Very limited ~excess fines (thickest layer)	1.00	Very limited ~excess fines (bottom layer)	1.00	Not limited		Not limited	
			~excess fines (bottom layer)	1.00	~excess fines (thickest layer)	1.00				
Pits-----	Not rated		Not rated		Not rated		Not rated		Not rated	