

BUILDING SITE DEVELOPMENT
Reno County, Kansas

Building Site Development

Soil properties influence the development of building sites, including the selection of the site, the design of the structure, construction, performance after construction, and maintenance. The following tables show the degree and kind of soil limitations that affect dwellings with and without basements, small commercial buildings, local roads and streets, shallow excavations, and lawns and landscaping.

The ratings in the tables are both verbal and numerical. Rating class terms indicate the extent to which the soils are limited by all of the soil features that affect building site development. Not limited indicates that the soil has features that are very favorable for the specified use. Good performance and very low maintenance can be expected. Slightly limited indicates that the soil has features that are favorable for the specified use. The limitations are minor and can be easily overcome. Good performance and low maintenance can be expected. Somewhat limited indicates that the soil has features that are moderately favorable for the specified use. The limitations can be overcome or minimized by special planning, design, or installation. Fair performance and moderate maintenance can be expected. Very limited indicates that the soil has one or more features that are unfavorable for the specified use. The limitations generally cannot be overcome without major soil reclamation, special design, or expensive installation procedures. Poor performance and high maintenance can be expected.

Numerical ratings in the tables indicate the severity of individual limitations. The ratings are shown as decimal fractions ranging from 0.00 to 1.00. They indicate gradations between the point at which a soil feature has the greatest negative impact on the use (1.00) and the point at which the soil feature is not a limitation (0.00).

Dwellings are single-family houses of three stories or less. For dwellings without basements, the foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper. For dwellings with basements, the foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of about 7 feet. The ratings for dwellings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility. Compressibility is inferred from the Unified classification. The properties that affect the ease and amount of excavation include depth to a water table, ponding, flooding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

Small commercial buildings are structures that are less than three stories high and do not have basements. The foundation is assumed to consist of spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or at the depth of maximum frost penetration, whichever is deeper. The ratings are based on the soil properties that affect the capacity of the soil to support a load without movement and on the properties that affect excavation and construction costs. The properties that affect the load-supporting capacity include depth to a water table, ponding, flooding, subsidence, linear extensibility (shrink-swell potential), and compressibility (which is inferred from the Unified classification). The properties that affect the ease and amount of excavation include flooding, depth to a water table, ponding, slope, depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, and the amount and size of rock fragments.

Local roads and streets have an all-weather surface and carry automobile and light truck traffic all year. They have a subgrade of cut or fill soil material; a base of gravel, crushed rock, or soil material stabilized by lime or cement; and a surface of flexible material (asphalt), rigid material (concrete), or gravel with a binder. The ratings are based on the soil properties that affect the ease of excavation and grading and the traffic-supporting capacity. The properties that affect the ease of excavation and grading are depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, depth to a water table, ponding, flooding, the amount of large stones, and slope. The properties that affect the traffic-supporting capacity are soil strength (as inferred from the AASHTO group index number), subsidence, linear extensibility (shrink-swell potential), the potential for frost action, depth to a water table, and ponding.

Shallow excavations are trenches or holes dug to a maximum depth of 5 or 6 feet for graves, utility lines, open ditches, or other purposes. The ratings are based on the soil properties that influence the ease of digging and the resistance to sloughing. Depth to bedrock or a cemented pan, hardness of bedrock or a cemented pan, the amount of large stones, and dense layers influence the ease of digging, filling, and compacting. Depth to the seasonal high water table, flooding, and ponding may restrict the period when excavations can be made. Slope influences the ease of using machinery. Soil texture, depth to the water table, and linear extensibility (shrink-swell potential) influence the resistance to sloughing.

Lawns and landscaping require soils on which turf and ornamental trees and shrubs can be established and maintained. Irrigation is not considered in the ratings. The ratings are based on the soil properties that affect plant growth and trafficability after vegetation is established. The properties that affect plant growth are reaction; depth to a water table; ponding; depth to bedrock or a cemented pan; the available water capacity in the upper 40 inches; the content of salts, sodium, or calcium carbonate; and sulfidic materials. The properties that affect trafficability are flooding, depth to a water table, ponding, slope, stoniness, and the amount of sand, clay, or organic matter in the surface layer.

BUILDING SITE DEVELOPMENT--Continued
Reno County, Kansas

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Map symbol and soil name	Pct of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
990: Abbyville-----	95	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone Shrink-swell	0.95 0.50	Somewhat limited Shrink-swell	0.50
991: Abbyville, rarely flooded-----	45	Very limited Flooding Shrink-swell	 1.00 0.50	Very limited Flooding Depth to saturated zone Shrink-swell	 1.00 0.95 0.50	Very limited Flooding Shrink-swell	 1.00 0.50
Kisiwa, occasionally flooded-----	40	Very limited Ponding Flooding Depth to saturated zone Shrink-swell	 1.00 1.00 1.00 0.50	Very limited Ponding Flooding Depth to saturated zone Shrink-swell	 1.00 1.00 1.00 0.50	Very limited Ponding Flooding Depth to saturated zone Shrink-swell	 1.00 1.00 1.00 0.50
1004: Albion-----	90	Not limited		Not limited		Not limited	
1011: Albion-----	70	Not limited		Not limited		Not limited	
Shellabarger-----	30	Not limited		Not limited		Not limited	
1057: Aguents-----	100	Very limited Ponding Depth to saturated zone	1.00 1.00	Very limited Ponding Depth to saturated zone	1.00 1.00	Very limited Ponding Depth to saturated zone	1.00 1.00
1061: Arents, Earthen Dam-	100	Not rated		Not rated		Not rated	
1062: Arents, Landfill----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
1070: Avans-----	100	Somewhat limited Shrink-swell	0.50	Not limited		Somewhat limited Shrink-swell	0.50
1071: Avans-----	85	Somewhat limited Shrink-swell	0.50	Not limited		Somewhat limited Shrink-swell	0.50
1072: Avans-----	85	Somewhat limited Shrink-swell	0.50	Not limited		Somewhat limited Shrink-swell Slope	0.50 0.12
1191: Blazefork-----	90	Very limited Flooding Shrink-swell	1.00 1.00	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 0.61 0.50	Very limited Flooding Shrink-swell	1.00 1.00
1192: Blazefork-----	60	Very limited Flooding Shrink-swell	1.00 1.00	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 0.61 0.50	Very limited Flooding Shrink-swell	1.00 1.00
Kaskan-----	40	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.16	Very limited Flooding	1.00
1200: Buhler-----	65	Very limited Flooding Shrink-swell	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 0.16	Very limited Flooding Shrink-swell	1.00 1.00
Blazefork-----	30	Very limited Flooding Shrink-swell	1.00 1.00	Very limited Flooding Depth to saturated zone Shrink-swell	1.00 0.61 0.50	Very limited Flooding Shrink-swell	1.00 1.00

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Map symbol and soil name	Pct of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
1324: Carway-----	50	Very limited Ponding Depth to saturated zone	1.00 1.00	Very limited Ponding Depth to saturated zone Shrink-swell	1.00 1.00 1.00	Very limited Ponding Depth to saturated zone	1.00 1.00
Carbika-----	30	Very limited Ponding Depth to saturated zone	1.00 1.00	Very limited Ponding Depth to saturated zone	1.00 1.00	Very limited Ponding Depth to saturated zone	1.00 1.00
1357: Carway-----	40	Very limited Ponding Depth to saturated zone	1.00 1.00	Very limited Ponding Depth to saturated zone Shrink-swell	1.00 1.00 1.00	Very limited Ponding Depth to saturated zone	1.00 1.00
Dillhut-----	30	Somewhat limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
Solvay-----	30	Not limited		Somewhat limited Depth to saturated zone	0.95	Not limited	
1359: Clark-----	70	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.00
Ost-----	30	Not limited		Not limited		Somewhat limited Slope	0.12
1428: Crete-----	100	Very limited Shrink-swell	1.00	Very limited Shrink-swell	1.00	Very limited Shrink-swell	1.00
1429: Crete-----	100	Very limited Shrink-swell	1.00	Very limited Shrink-swell	1.00	Very limited Shrink-swell	1.00
1553: Darlow-----	70	Not limited		Not limited		Not limited	
Elmer-----	20	Not limited		Not limited		Not limited	
1554: Dillhut-----	70	Somewhat limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
1555: Dillhut-----	35	Not limited		Not limited		Not limited	
Plev-----	35	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
1556: Dillhut-----	30	Not limited		Not limited		Not limited	
Solvay-----	30	Not limited		Somewhat limited Depth to saturated zone	0.95	Not limited	
1725: Farnum-----	40	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50
Funmar-----	40	Not limited		Somewhat limited Shrink-swell	0.50	Not limited	
1727: Funmar-----	55	Not limited		Somewhat limited Shrink-swell	0.50	Not limited	
Taver-----	45	Very limited Shrink-swell	1.00	Very limited Shrink-swell	1.00	Very limited Shrink-swell	1.00
1804: Geary-----	100	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50
1807: Geary, Moderately Eroded-----	100	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Slope	0.50 0.12
1985: Hayes-----	60	Not limited		Very limited Shrink-swell	1.00	Not limited	
1986: Hayes-----	55	Not limited		Very limited Shrink-swell	1.00	Not limited	
Solvay-----	20	Not limited		Somewhat limited Depth to saturated zone	0.95	Not limited	

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Map symbol and soil name	Pct of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
1987: Hayes-----	40	Not limited		Very limited Shrink-swell	1.00	Not limited	
Turon-----	35	Not limited		Not limited		Not limited	
2204: Jamash-----	50	Very limited Depth to soft bedrock	1.00	Very limited Shrink-swell	1.00	Very limited Depth to soft bedrock	1.00
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Shrink-swell	1.00
Piedmont-----	50	Very limited Shrink-swell	1.00	Very limited Shrink-swell Depth to soft bedrock	1.00 0.29	Very limited Shrink-swell	1.00
2205: Jamash-----	60	Very limited Depth to soft bedrock	1.00	Very limited Shrink-swell	1.00	Very limited Depth to soft bedrock	1.00
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Shrink-swell	1.00
Piedmont-----	40	Very limited Shrink-swell	1.00	Very limited Shrink-swell Depth to soft bedrock	1.00 0.29	Very limited Shrink-swell	1.00
2206: Jamash-----	60	Very limited Depth to soft bedrock	1.00	Very limited Shrink-swell	1.00	Very limited Depth to soft bedrock	1.00
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Shrink-swell	1.00
Piedmont-----	40	Very limited Shrink-swell	1.00	Very limited Shrink-swell Depth to soft bedrock	1.00 0.29	Slope Very limited Shrink-swell Slope	0.48 1.00 0.48
2207: Jamash-----	80	Very limited Depth to soft bedrock	1.00	Very limited Shrink-swell	1.00	Very limited Depth to soft bedrock	1.00
		Shrink-swell	1.00	Depth to soft bedrock	1.00	Shrink-swell	1.00
						Slope	0.12
2381: Kanza-----	50	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
Ninnescah-----	50	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
		Depth to saturated zone	0.44	Depth to saturated zone	1.00	Depth to saturated zone	0.44
2390: Kaskan-----	85	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
				Depth to saturated zone	0.16		
2391: Kaskan-----	75	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
				Depth to saturated zone	0.16		
2395: Kisiwa-----	90	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Shrink-swell	0.50	Shrink-swell	0.50	Shrink-swell	0.50
2509: Ladysmith-----	100	Very limited Shrink-swell	1.00	Very limited Depth to saturated zone	1.00	Very limited Shrink-swell	1.00
				Shrink-swell	0.50		
2556: Langdon-----	50	Somewhat limited Slope	0.00	Somewhat limited Slope	0.00	Very limited Slope	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
2587: Imano-----	85	Very limited Flooding Shrink-swell	1.00 0.50	Very limited Flooding Depth to saturated zone	1.00 0.95	Very limited Flooding Shrink-swell	1.00 0.50
2588: Longford, Moderately Eroded-----	90	Very limited Shrink-swell	 1.00	Very limited Shrink-swell	 1.00	Very limited Shrink-swell Slope	 1.00 0.00
2812: Mahone-----	95	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.16	Very limited Flooding	1.00
2948: Nalim-----	80	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50
2949: Naron, Moderately Eroded-----	85	Not limited		Not limited		Somewhat limited Slope	 0.00
2950: Naron, Moderately Eroded-----	85	Somewhat limited Slope	 0.16	Somewhat limited Slope	 0.16	Very limited Slope	 1.00
2951: Nash-----	90	Not limited		Somewhat limited Depth to soft bedrock	0.64	Not limited	
2952: Nash-----	60	Not limited		Somewhat limited Depth to soft bedrock	0.64	Somewhat limited Slope	0.12
Lucien-----	30	Somewhat limited Depth to soft bedrock	1.00	Very limited Depth to soft bedrock	1.00	Somewhat limited Depth to soft bedrock Slope	1.00 0.48
2953: Nash, Moderately Eroded-----	70	Somewhat limited Slope	 0.37	Somewhat limited Depth to soft bedrock Slope	 0.64 0.37	Very limited Slope	 1.00
Lucien-----	20	Somewhat limited Depth to soft bedrock Slope	1.00 0.63	Very limited Depth to soft bedrock Slope	1.00 0.63	Very limited Depth to soft bedrock Slope	1.00 1.00
2955: Nickerson-----	100	Not limited		Somewhat limited Depth to saturated zone	0.95	Not limited	
2956: Nickerson-----	85	Not limited		Somewhat limited Depth to saturated zone	0.95	Not limited	
2957: Nickerson-----	50	Not limited		Somewhat limited Depth to saturated zone	0.95	Not limited	
Punkin-----	50	Very limited Shrink-swell	1.00	Not limited		Very limited Shrink-swell	1.00
2958: Ninnescah-----	85	Very limited Flooding Depth to saturated zone	1.00 0.44	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 0.44
2959: Ninnescah, saline---	100	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00
3051: Ost-----	90	Not limited		Not limited		Not limited	
3052: Ost-----	55	Not limited		Not limited		Not limited	
Clark-----	45	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50

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Map symbol and soil name	Pct of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
3170: Penalosa-----	100	Somewhat limited Shrink-swell	0.50	Very limited Shrink-swell	1.00	Somewhat limited Shrink-swell	0.50
3171: Penalosa-----	100	Somewhat limited Shrink-swell	0.50	Very limited Shrink-swell	1.00	Somewhat limited Shrink-swell	0.50
3180: Pratt-----	85	Not limited		Not limited		Somewhat limited Slope	0.86
3181: Pratt-----	45	Not limited		Not limited		Not limited	
Turon-----	30	Not limited		Not limited		Not limited	
3190: Punkin-----	90	Very limited Shrink-swell	1.00	Very limited Shrink-swell	1.00	Very limited Shrink-swell	1.00
3191: Punkin-----	70	Very limited Shrink-swell	1.00	Very limited Shrink-swell	1.00	Very limited Shrink-swell	1.00
Taver-----	20	Very limited Shrink-swell	1.00	Very limited Shrink-swell	1.00	Very limited Shrink-swell	1.00
3403: Sand Pit-----	100	Not rated		Not rated		Not rated	
3469: Smolan-----	90	Very limited Shrink-swell	1.00	Somewhat limited Shrink-swell	0.50	Very limited Shrink-swell	1.00
3510: Saltcreek-----	50	Not limited		Very limited Shrink-swell	1.00	Not limited	
Funmar-----	30	Not limited		Somewhat limited Shrink-swell	0.50	Not limited	
Farnum-----	20	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50
3511: Saltcreek-----	70	Not limited		Very limited Shrink-swell	1.00	Not limited	
Naron, sandy substratum-----	30	Not limited		Not limited		Not limited	
3512: Saltcreek-----	50	Not limited		Very limited Shrink-swell	1.00	Not limited	
Naron-----	50	Not limited		Not limited		Not limited	
3520: Saxman-----	85	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding	1.00
3530: Shellabarger, Eroded	45	Somewhat limited Slope	0.16	Somewhat limited Slope	0.16	Very limited Slope	1.00
Albion-----	40	Somewhat limited Slope	0.16	Somewhat limited Slope	0.16	Very limited Slope	1.00
3531: Shellabarger, Moderately Eroded--	50	Not limited		Not limited		Somewhat limited	
Nalim-----	50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Slope Somewhat limited Shrink-swell Slope	0.00 0.50 0.00
3532: Shellabarger-----	80	Not limited		Not limited		Not limited	
3533: Shellabarger-----	85	Not limited		Not limited		Not limited	
3534: Shellabarger-----	85	Not limited		Not limited		Not limited	
3535: Shellabarger-----	55	Not limited		Not limited		Not limited	
Nalim-----	45	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell	0.50
3540: Solvay-----	90	Not limited		Somewhat limited Depth to saturated zone	0.95	Not limited	
3550: Spelvin-----	100	Not limited		Not limited		Not limited	
3639: Taver-----	90	Very limited Shrink-swell	1.00	Very limited Shrink-swell	1.00	Very limited Shrink-swell	1.00

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Map symbol and soil name	Pct of map unit	Dwellings without basements		Dwellings with basements		Small commercial buildings	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
3640: Tivin-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
3641: Tivin-----	45	Somewhat limited Slope	0.16	Somewhat limited Slope	0.16	Very limited Slope	1.00
Dillhut-----	40	Not limited		Not limited		Not limited	
3642: Tivin-----	70	Not limited		Somewhat limited Depth to saturated zone	0.03	Somewhat limited Slope	0.48
Willowbrook, occasionally flooded-----	30	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding Depth to saturated zone	1.00 0.95	Flooding	1.00
3643: Tobin-----	100	Very limited Flooding Shrink-swell	1.00 0.50	Very limited Flooding Shrink-swell	1.00 0.50	Very limited Flooding Shrink-swell	1.00 0.50
3644: Turon-----	65	Not limited		Not limited		Somewhat limited Slope	0.00
Carway-----	20	Very limited Ponding Depth to saturated zone	1.00 1.00	Very limited Ponding Depth to saturated zone Shrink-swell	1.00 1.00 1.00	Very limited Ponding Depth to saturated zone	1.00 1.00
3760: Urban Land, Protected-----	50	Not rated		Not rated		Not rated	
Blazefork, Protected	25	Very limited Shrink-swell	1.00	Somewhat limited Depth to saturated zone Shrink-swell	0.61 0.50	Very limited Shrink-swell	1.00
Kaskan, Protected---	25	Not limited		Somewhat limited Depth to saturated zone	0.16	Not limited	
3762: Urban Land-----	50	Not rated		Not rated		Not rated	
Darlow-----	25	Not limited		Not limited		Not limited	
Elmer-----	15	Not limited		Not limited		Not limited	
3763: Urban Land, Protected-----	50	Not rated		Not rated		Not rated	
Imano, Protected----	40	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to saturated zone	0.95	Somewhat limited Shrink-swell	0.50
3764: Urban Land, Protected-----	60	Not rated		Not rated		Not rated	
Mahone, Protected---	35	Not limited		Somewhat limited Depth to saturated zone	0.16	Not limited	
3765: Urban Land-----	50	Not rated		Not rated		Not rated	
Saltcreek-----	35	Not limited		Very limited Shrink-swell	1.00	Not limited	
Naron-----	15	Not limited		Not limited		Not limited	
3766: Urban Land, Protected-----	50	Not rated		Not rated		Not rated	
Saxman, Protected---	45	Not limited		Very limited Depth to saturated zone	1.00	Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
3767: Urban Land, Protected-----	50	Not rated		Not rated		Not rated	
Willowbrook, Protected-----	45	Not limited		Somewhat limited Depth to saturated zone	0.95	Not limited	
3768: Urban Land, Protected-----	50	Not rated		Not rated		Not rated	
Yaggy, Protected----	45	Not limited		Somewhat limited Depth to saturated zone	0.95	Not limited	
3900: Warnut-----	75	Very limited Ponding Depth to saturated zone	1.00 1.00	Very limited Ponding Depth to saturated zone	1.00 1.00	Very limited Ponding Depth to saturated zone	1.00 1.00
3926: Water-----	100	Not rated		Not rated		Not rated	
3966: Willowbrook-----	90	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.95	Very limited Flooding	1.00
4004: Yaggy-----	95	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.95	Very limited Flooding	1.00
4005: Yaggy-----	60	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 0.95	Very limited Flooding	1.00
Saxman-----	30	Very limited Flooding	1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding	1.00
4110: Zellmont-----	70	Somewhat limited Shrink-swell	0.50	Somewhat limited Shrink-swell Depth to soft bedrock	0.50 0.29	Somewhat limited Shrink-swell	0.50
Poxmash-----	30	Not limited		Not limited		Not limited	

BUILDING SITE DEVELOPMENT--Continued
Reno County, Kansas

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Map symbol and soil name	Pct of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
990: Abbyville-----	95	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.95	Very limited Sodium content	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10		
991: Abbyville, rarely flooded-----	45	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.95	Very limited Sodium content	1.00
		Shrink-swell	0.50	Cutbanks cave	0.10		
		Flooding	0.40				
Kisiwa, occasionally flooded-----	40	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Sodium content	1.00
		Flooding	1.00	Cutbanks cave	1.00	Depth to saturated zone	1.00
		Low strength	1.00	Flooding	0.60	Flooding	0.60
		Shrink-swell	0.50	Too clayey	0.08		
1004: Albion-----	90	Not limited		Very limited Cutbanks cave	1.00	Not limited	
1011: Albion-----	70	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Shellabarger-----	30	Not limited		Very limited Cutbanks cave	1.00	Not limited	
1057: Aquents-----	100	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
				Cutbanks cave	1.00	Droughty	0.71
1061: Arents, Earthen Dam-	100	Not rated		Not rated		Not rated	
1062: Arents, Landfill----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Slope	1.00
		Low strength	1.00	Cutbanks cave	0.10		
1070: Avans-----	100	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
1071: Avans-----	85	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
1072: Avans-----	85	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
1191: Blazefork-----	90	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Shrink-swell	1.00	Too clayey	0.12		
		Flooding	0.40	Cutbanks cave	0.10		
1192: Blazefork-----	60	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Shrink-swell	1.00	Too clayey	0.12		
		Flooding	0.40	Cutbanks cave	0.10		
Kaskan-----	40	Somewhat limited Flooding	0.40	Very limited Cutbanks cave	1.00	Not limited	
				Depth to saturated zone	0.16		

BUILDING SITE DEVELOPMENT--Continued
Reno County, Kansas

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
1200: Buhler-----	65	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.16	Very limited Sodium content	1.00
		Shrink-swell	1.00	Cutbanks cave	0.10	Salinity	0.13
		Flooding	0.40	Too clayey	0.00		
Blazefork-----	30	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Shrink-swell	1.00	Too clayey	0.12		
		Flooding	0.40	Cutbanks cave	0.10		
1324: Carway-----	50	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
				Cutbanks cave	0.10		
Carbika-----	30	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
				Cutbanks cave	0.10		
				Too clayey	0.00		
1357: Carway-----	40	Very limited Ponding	1.00	Very limited Ponding	1.00	Very limited Ponding	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
				Cutbanks cave	0.10		
Dillhut-----	30	Somewhat limited Depth to saturated zone	0.75	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.75
				Cutbanks cave	1.00	Droughty	0.31
Solvay-----	30	Not limited		Very limited Cutbanks cave	1.00	Not limited	
				Depth to saturated zone	0.95		
1359: Clark-----	70	Somewhat limited Low strength	0.78	Somewhat limited Cutbanks cave	0.10	Not limited	
		Shrink-swell	0.50				
Ost-----	30	Somewhat limited Low strength	0.78	Somewhat limited Cutbanks cave	0.10	Not limited	
1428: Crete-----	100	Very limited Low strength	1.00	Somewhat limited Too clayey	0.12	Not limited	
		Shrink-swell	1.00	Cutbanks cave	0.10		
1429: Crete-----	100	Very limited Low strength	1.00	Somewhat limited Too clayey	0.12	Not limited	
		Shrink-swell	1.00	Cutbanks cave	0.10		
		Frost action	0.50				
1553: Darlow-----	70	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Very limited Sodium content	1.00
Elmer-----	20	Not limited		Somewhat limited Cutbanks cave	0.10	Very limited Sodium content	1.00
1554: Dillhut-----	70	Somewhat limited Depth to saturated zone	0.75	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.75
				Cutbanks cave	1.00	Droughty	0.31
1555: Dillhut-----	35	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.15
Plev-----	35	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
				Cutbanks cave	1.00	Droughty	0.92
1556: Dillhut-----	30	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.15
Solvay-----	30	Not limited		Very limited Cutbanks cave	1.00	Not limited	
				Depth to saturated zone	0.95		

BUILDING SITE DEVELOPMENT--Continued
Reno County, Kansas

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
1725: Farnum-----	40	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
Funmar-----	40	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
1727: Funmar-----	55	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
Taver-----	45	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
1804: Geary-----	100	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
1807: Geary, Moderately Eroded-----	100	Very limited Frost action Low strength Shrink-swell	 1.00 1.00 0.50	Somewhat limited Cutbanks cave	 0.10	Not limited	
1985: Hayes-----	60	Not limited		Somewhat limited Cutbanks cave Too clayey	0.10 0.02	Not limited	
1986: Hayes-----	55	Not limited		Somewhat limited Cutbanks cave Too clayey	0.10 0.02	Not limited	
Solvay-----	20	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.95	Not limited	
1987: Hayes-----	40	Not limited		Somewhat limited Cutbanks cave Too clayey	0.10 0.02	Not limited	
Turon-----	35	Not limited		Very limited Cutbanks cave Too clayey	1.00 0.01	Not limited	
2204: Jamash-----	50	Very limited Depth to soft bedrock Low strength	1.00 1.00	Very limited Depth to soft bedrock Depth to dense layer	1.00 0.50	Very limited Depth to bedrock Droughty	1.00 0.86
Piedmont-----	50	Shrink-swell Very limited Shrink-swell Low strength	1.00 1.00 1.00	Cutbanks cave Somewhat limited Too clayey Depth to dense layer Depth to soft bedrock Cutbanks cave	0.10 0.88 0.50 0.29 0.10	Somewhat limited Depth to bedrock	0.29
2205: Jamash-----	60	Very limited Depth to soft bedrock Low strength	1.00 1.00	Very limited Depth to soft bedrock Depth to dense layer	1.00 0.50	Very limited Depth to bedrock Droughty	1.00 0.86
Piedmont-----	40	Shrink-swell Very limited Shrink-swell Low strength	1.00 1.00 1.00	Cutbanks cave Somewhat limited Too clayey Depth to dense layer Depth to soft bedrock Cutbanks cave	0.10 0.88 0.50 0.29 0.10	Somewhat limited Depth to bedrock	0.29

BUILDING SITE DEVELOPMENT--Continued
Reno County, Kansas

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
2206: Jamash-----	60	Very limited Depth to soft bedrock Low strength	1.00 1.00	Very limited Depth to soft bedrock Depth to dense layer	1.00 0.50	Very limited Depth to bedrock Droughty	1.00 0.86
Piedmont-----	40	Shrink-swell Very limited Shrink-swell Low strength	1.00 1.00 1.00	Cutbanks cave Somewhat limited Too clayey Depth to dense layer Depth to soft bedrock Cutbanks cave	0.10 0.88 0.50 0.29 0.10	Somewhat limited Depth to bedrock	0.29
2207: Jamash-----	80	Very limited Depth to soft bedrock Low strength Shrink-swell	1.00 1.00 1.00	Very limited Depth to soft bedrock Depth to dense layer Cutbanks cave	1.00 0.50 0.10	Very limited Depth to bedrock Droughty	1.00 0.86
2381: Kanza-----	50	Very limited Flooding Depth to saturated zone	1.00 0.75	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 1.00 0.80	Very limited Flooding Depth to saturated zone Droughty	1.00 0.75 0.00
Ninnescah-----	50	Very limited Flooding Depth to saturated zone	1.00 0.19	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.19
2390: Kaskan-----	85	Somewhat limited Flooding	0.40	Very limited Cutbanks cave Depth to saturated zone	1.00 0.16	Not limited	
2391: Kaskan-----	75	Very limited Flooding	1.00	Very limited Cutbanks cave Flooding Depth to saturated zone	1.00 0.80 0.16	Very limited Flooding	1.00
2395: Kisiwa-----	90	Very limited Ponding Depth to saturated zone Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Ponding Depth to saturated zone Cutbanks cave Too clayey	1.00 1.00 1.00 0.08	Very limited Ponding Sodium content Depth to saturated zone	1.00 1.00 1.00
2509: Ladysmith-----	100	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Very limited Depth to saturated zone Too clayey Cutbanks cave	1.00 0.50 0.10	Not limited	
2556: Langdon-----	50	Somewhat limited Slope	0.00	Very limited Cutbanks cave Slope	1.00 0.00	Somewhat limited Droughty Slope	0.97 0.00
2587: Imano-----	85	Very limited Flooding Low strength Shrink-swell	1.00 1.00 0.50	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 0.95 0.60	Somewhat limited Flooding	0.60
2588: Longford, Moderately Eroded-----	90	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	

BUILDING SITE DEVELOPMENT--Continued
Reno County, Kansas

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
2812: Mahone-----	95	Somewhat limited Flooding	0.40	Somewhat limited Depth to saturated zone Cutbanks cave	0.16 0.10	Not limited	
2948: Nalim-----	80	Very limited Low strength Shrink-swell	1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
2949: Naron, Moderately Eroded-----	85	Not limited		Very limited Cutbanks cave	1.00	Not limited	
2950: Naron, Moderately Eroded-----	85	Somewhat limited Slope	0.16	Very limited Cutbanks cave Slope	1.00 0.16	Somewhat limited Slope	0.16
2951: Nash-----	90	Not limited		Somewhat limited Depth to soft bedrock Cutbanks cave	0.64 0.10	Somewhat limited Depth to bedrock	0.65
2952: Nash-----	60	Not limited		Somewhat limited Depth to soft bedrock Cutbanks cave	0.64 0.10	Somewhat limited Depth to bedrock	0.65
Lucien-----	30	Somewhat limited Depth to soft bedrock	1.00	Very limited Depth to soft bedrock Cutbanks cave	1.00 0.10	Very limited Depth to bedrock Droughty	1.00 0.96
2953: Nash, Moderately Eroded-----	70	Somewhat limited Slope	0.37	Somewhat limited Depth to soft bedrock Slope Cutbanks cave	0.64 0.37 0.10	Somewhat limited Depth to bedrock Slope	0.65 0.37
Lucien-----	20	Somewhat limited Depth to soft bedrock Slope	1.00 0.63	Very limited Depth to soft bedrock Slope Cutbanks cave	1.00 0.63 0.10	Very limited Depth to bedrock Droughty Slope	1.00 0.96 0.63
2955: Nickerson-----	100	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.95	Not limited	
2956: Nickerson-----	85	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.95	Not limited	
2957: Nickerson-----	50	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.95	Not limited	
Punkin-----	50	Very limited Low strength Shrink-swell	1.00 1.00	Very limited Cutbanks cave Too clayey	1.00 0.04	Very limited Sodium content	1.00
2958: Ninnescah-----	85	Very limited Flooding Depth to saturated zone	1.00 0.19	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.60	Somewhat limited Flooding Depth to saturated zone	0.60 0.19
2959: Ninnescah, saline---	100	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone Cutbanks cave Flooding	1.00 1.00 0.60	Very limited Depth to saturated zone Flooding Salinity	1.00 0.60 0.50

BUILDING SITE DEVELOPMENT--Continued
Reno County, Kansas

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Map symbol and soil name	Pct of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
3051: Ost-----	90	Somewhat limited Low strength	0.78	Somewhat limited Cutbanks cave	0.10	Not limited	
3052: Ost-----	55	Somewhat limited Low strength	0.78	Somewhat limited Cutbanks cave	0.10	Not limited	
Clark-----	45	Somewhat limited Low strength Shrink-swell	0.78 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
3170: Penalosa-----	100	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
3171: Penalosa-----	100	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
3180: Pratt-----	85	Not limited		Very limited Cutbanks cave	1.00	Not limited	
3181: Pratt-----	45	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Turon-----	30	Not limited		Very limited Cutbanks cave Too clayey	1.00 0.01	Not limited	
3190: Punkin-----	90	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Too clayey Cutbanks cave	0.11 0.10	Very limited Sodium content	1.00
3191: Punkin-----	70	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Too clayey Cutbanks cave	0.11 0.10	Very limited Sodium content	1.00
Taver-----	20	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
3403: Sand Pit-----	100	Not rated		Not rated		Not rated	
3469: Smolan-----	90	Very limited Low strength Shrink-swell Frost action	1.00 1.00 0.50	Somewhat limited Cutbanks cave Too clayey	0.10 0.03	Not limited	
3510: Saltcreek-----	50	Not limited		Somewhat limited Cutbanks cave Too clayey	0.10 0.00	Not limited	
Funmar-----	30	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
Farnum-----	20	Very limited Low strength Shrink-swell	1.00 0.50	Somewhat limited Cutbanks cave	0.10	Not limited	
3511: Saltcreek-----	70	Not limited		Somewhat limited Cutbanks cave Too clayey	0.10 0.00	Not limited	
Naron, sandy substratum-----	30	Not limited		Very limited Cutbanks cave	1.00	Not limited	
3512: Saltcreek-----	50	Not limited		Somewhat limited Cutbanks cave Too clayey	0.10 0.00	Not limited	
Naron-----	50	Not limited		Very limited Cutbanks cave	1.00	Not limited	
3520: Saxman-----	85	Somewhat limited Flooding	0.40	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Droughty	0.15

BUILDING SITE DEVELOPMENT--Continued
Reno County, Kansas

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
3530: Shellabarger, Eroded	45	Somewhat limited Slope	0.16	Very limited Cutbanks cave Slope	1.00 0.16	Somewhat limited Slope	0.16
Albion-----	40	Somewhat limited Slope	0.16	Very limited Cutbanks cave Slope	1.00 0.16	Somewhat limited Slope	0.16
3531: Shellabarger, Moderately Eroded--	50	Not limited		Very limited		Not limited	
Nalim-----	50	Very limited Low strength Shrink-swell	1.00 0.50	Cutbanks cave Very limited Cutbanks cave	1.00 1.00	Not limited	
3532: Shellabarger-----	80	Not limited		Very limited Cutbanks cave	1.00	Not limited	
3533: Shellabarger-----	85	Not limited		Very limited Cutbanks cave	1.00	Not limited	
3534: Shellabarger-----	85	Not limited		Very limited Cutbanks cave	1.00	Not limited	
3535: Shellabarger-----	55	Not limited		Very limited Cutbanks cave	1.00	Not limited	
Nalim-----	45	Very limited Low strength Shrink-swell	1.00 0.50	Very limited Cutbanks cave	1.00	Not limited	
3540: Solvay-----	90	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.95	Not limited	
3550: Spelvin-----	100	Not limited		Very limited Cutbanks cave	1.00	Not limited	
3639: Taver-----	90	Very limited Low strength Shrink-swell	1.00 1.00	Somewhat limited Cutbanks cave	0.10	Not limited	
3640: Tivin-----	95	Very limited Slope	1.00	Very limited Cutbanks cave Slope	1.00 1.00	Very limited Slope Droughty	1.00 0.98
3641: Tivin-----	45	Somewhat limited Slope	0.16	Very limited Cutbanks cave Slope	1.00 0.16	Somewhat limited Droughty Slope	0.98 0.16
Dillhut-----	40	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.15
3642: Tivin-----	70	Not limited		Very limited Cutbanks cave Depth to saturated zone	1.00 0.03	Somewhat limited Droughty	0.94
Willowbrook, occasionally flooded-----	30	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Cutbanks cave Depth to saturated zone Flooding	1.00 0.95 0.60	Flooding	0.60
3643: Tobin-----	100	Very limited Flooding Low strength Shrink-swell Frost action	1.00 1.00 0.50 0.50	Somewhat limited Flooding Cutbanks cave	0.60 0.10	Somewhat limited Flooding	0.60
3644: Turon-----	65	Not limited		Very limited Cutbanks cave Too clayey	1.00 0.01	Not limited	
Carway-----	20	Very limited Ponding Depth to saturated zone	1.00 1.00	Very limited Ponding Depth to saturated zone Cutbanks cave	1.00 1.00 0.10	Very limited Ponding Depth to saturated zone	1.00 1.00

BUILDING SITE DEVELOPMENT--Continued
Reno County, Kansas

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
3760: Urban Land, Protected-----	50	Not rated		Not rated		Not rated	
Blazefork, Protected	25	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Shrink-swell	1.00	Too clayey	0.12		
Kaskan, Protected---	25	Not limited		Cutbanks cave	0.10	Not limited	
				Very limited Cutbanks cave	1.00		
				Depth to saturated zone	0.16		
3762: Urban Land-----	50	Not rated		Not rated		Not rated	
Darlow-----	25	Very limited Low strength	1.00	Somewhat limited Cutbanks cave	0.10	Very limited Sodium content	1.00
Elmer-----	15	Not limited		Somewhat limited Cutbanks cave	0.10	Very limited Sodium content	1.00
3763: Urban Land, Protected-----	50	Not rated		Not rated		Not rated	
Imano, Protected----	40	Very limited Low strength Shrink-swell	1.00 0.50	Very limited Cutbanks cave	1.00 0.95	Not limited	
				Depth to saturated zone			
3764: Urban Land, Protected-----	60	Not rated		Not rated		Not rated	
Mahone, Protected---	35	Not limited		Somewhat limited Depth to saturated zone	0.16	Not limited	
				Cutbanks cave	0.10		
3765: Urban Land-----	50	Not rated		Not rated		Not rated	
Saltcreek-----	35	Not limited		Somewhat limited Cutbanks cave	0.10	Not limited	
				Too clayey	0.00		
Naron-----	15	Not limited		Very limited Cutbanks cave	1.00	Not limited	
3766: Urban Land, Protected-----	50	Not rated		Not rated		Not rated	
Saxman, Protected---	45	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.15
				Depth to saturated zone	1.00		
3767: Urban Land, Protected-----	50	Not rated		Not rated		Not rated	
Willowbrook, Protected-----	45	Not limited		Very limited		Not limited	
				Cutbanks cave	1.00		
				Depth to saturated zone	0.95		
3768: Urban Land, Protected-----	50	Not rated		Not rated		Not rated	
Yaggy, Protected----	45	Not limited		Very limited Cutbanks cave	1.00	Somewhat limited Droughty	0.04
				Depth to saturated zone	0.95		
				Depth to dense layer	0.50		

BUILDING SITE DEVELOPMENT--Continued
Reno County, Kansas

(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	Pct of map unit	Local roads and streets		Shallow excavations		Lawns and landscaping	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
3900: Warnut-----	75	Very limited Ponding Depth to saturated zone	1.00 1.00	Very limited Ponding Depth to saturated zone Cutbanks cave	1.00 1.00 1.00	Very limited Ponding Depth to saturated zone	1.00 1.00
3926: Water-----	100	Not rated		Not rated		Not rated	
3966: Willowbrook-----	90	Very limited Flooding	1.00	Very limited Cutbanks cave Depth to saturated zone Flooding	1.00 0.95 0.60	Somewhat limited Flooding	0.60
4004: Yaggy-----	95	Very limited Flooding	1.00	Very limited Cutbanks cave Depth to saturated zone Flooding Depth to dense layer	1.00 0.95 0.60 0.50	Somewhat limited Flooding Droughty	0.60 0.04
4005: Yaggy-----	60	Very limited Flooding	1.00	Very limited Cutbanks cave Depth to saturated zone Flooding Depth to dense layer	1.00 0.95 0.60 0.50	Somewhat limited Flooding Droughty	0.60 0.04
Saxman-----	30	Somewhat limited Flooding	0.40	Very limited Cutbanks cave Depth to saturated zone	1.00 1.00	Somewhat limited Droughty	0.15
4110: Zellmont-----	70	Somewhat limited Shrink-swell	0.50	Somewhat limited Depth to dense layer Depth to soft bedrock Cutbanks cave	0.50 0.29 0.10	Somewhat limited Depth to bedrock	0.29
Poxmash-----	30	Not limited		Very limited Cutbanks cave Depth to dense layer	1.00 0.50	Not limited	

