

Building Site Development

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

Palo Alto County, Iowa

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
6: Okoboji-----	90	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
34: Estherville-----	90	Not limited		Very limited cutbanks cave	0.90	Not limited	
34B: Estherville-----	95	Not limited		Very limited cutbanks cave	0.90	Not limited	
34C2: Estherville-----	100	Not limited		Very limited cutbanks cave	0.90	Not limited	
55: Nicollet-----	95	Very limited Frost action Low strength Shrink-swell	1.00 1.00 0.50	Somewhat limited Depth to saturated zone	0.73	Not limited	
62C: Storden-----	90	Somewhat limited Frost action	0.50	Not limited		Not limited	
62D: Storden-----	90	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
62E: Storden-----	90	Very limited Slope Frost action	1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
62F: Storden-----	90	Very limited Slope Frost action	1.00 0.50	Very limited Slope	1.00	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
72: Estherville-----	90	Not limited		Very limited cutbanks cave	0.90	Not limited	
72B: Estherville-----	100	Not limited		Very limited cutbanks cave	0.90	Not limited	
73C: Salida-----	95	Somewhat limited Slope	0.01	Somewhat limited Slope	0.01	Very limited Droughty Gravel content Slope	1.00 0.12 0.01
90: Okoboji-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
95: Harps-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
107: Webster-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
133: Colo-----	100	Very limited Depth to saturated zone Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
133B: Colo-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
138B: Clarion-----	85	Somewhat limited Frost action	0.50	Not limited		Not limited	
138C: Clarion-----	100	Somewhat limited Frost action	0.50	Not limited		Not limited	
138C2: Clarion-----	90	Somewhat limited Frost action	0.50	Not limited		Not limited	
138D2: Clarion-----	90	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
141: Watseka-----	95	Somewhat limited Frost action Depth to saturated zone	0.50 0.19	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Somewhat limited Droughty Depth to saturated zone	0.53 0.19
150: Hanska-----	95	Very limited Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
172: Wabash-----	100	Very limited Shrink-swell Depth to saturated zone Flooding Low strength Frost action	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding Too clayey	1.00 0.60 0.50	Very limited Depth to saturated zone Too clayey Flooding	1.00 1.00 0.60

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
181B: Clarion-----	50	Somewhat limited Frost action	0.50	Not limited		Not limited	
181C2: Clarion-----	50	Somewhat limited Frost action	0.50	Not limited		Not limited	
203: Cylinder-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
		Shrink-swell Low strength	0.50 0.22	cutbanks cave	0.90		
221: Palms-----	100	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Subsidence	1.00	Content of organic matter	1.00	Content of organic matter	1.00
		Frost action	1.00				
224: Linder-----	95	Very limited Frost action	1.00	Very limited Depth to saturated zone	0.95	Not limited	
				cutbanks cave	0.90		
253C: Farrar-----	95	Somewhat limited Frost action	0.50	Not limited		Not limited	
		Low strength	0.22				
259: Biscay-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				

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274: Rolfe-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Too clayey	1.00 1.00 0.01	Very limited Depth to saturated zone	1.00
308: Wadena-----	100	Not limited		Not limited		Not limited	
324: Dickman-----	100	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.44
324B: Dickman-----	100	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.41
339: Truman-----	100	Very limited Frost action Low strength	1.00 1.00	Not limited		Not limited	
339B: Truman-----	90	Very limited Frost action Low strength	1.00 1.00	Not limited		Not limited	
354: Marsh-----	95	Not rated		Not rated		Not rated	
390: Waldorf-----	95	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Too clayey	1.00 1.00 0.28	Very limited Depth to saturated zone	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
485: Spillville-----	95	Very limited Flooding	1.00	Somewhat limited Depth to saturated zone	0.61	Somewhat limited Flooding	0.60
		Low strength	1.00	Flooding	0.60		
		Shrink-swell	0.50				
		Frost action	0.50				
485B: Spillville-----	95	Very limited Low strength	1.00	Somewhat limited Depth to saturated zone	0.61	Not limited	
		Shrink-swell	0.50				
		Frost action	0.50				
506: Wacousta-----	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	1.00				
507: Canisteo-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				
511: Blue Earth-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
559: Talcot-----	90	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Frost action	1.00				
		Low strength	1.00				
		Shrink-swell	0.50				

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585B: Colo-----	75	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 0.50	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60
638B: Clarion-----	50	Somewhat limited Frost action	0.50	Not limited		Not limited	
639C: Storden-----	50	Somewhat limited Frost action	0.50	Not limited		Not limited	
639D: Storden-----	50	Somewhat limited Slope Frost action	0.63 0.50	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63
639E: Storden-----	50	Very limited Slope Frost action	1.00 0.50	Very limited Slope	1.00	Very limited Slope	1.00
655: Crippin-----	95	Very limited Frost action Low strength	1.00 1.00	Very limited Depth to saturated zone	0.95	Not limited	
658: Mayer-----	90	Very limited Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
733: Calco-----	100	Very limited Depth to saturated zone Frost action Flooding Low strength Shrink-swell	1.00 1.00 1.00 1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 0.60	Very limited Depth to saturated zone Flooding	1.00 0.60

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823: Flagler Variant-----	100	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.10
823B: Flagler Variant-----	100	Not limited		Very limited cutbanks cave	0.90	Somewhat limited Droughty	0.10
895: Mayer-----	90	Very limited Depth to saturated zone Frost action	1.00 1.00	Very limited Depth to saturated zone cutbanks cave	1.00 0.90	Very limited Depth to saturated zone	1.00
C485: Spillville-----	90	Very limited Flooding Low strength  Shrink-swell Frost action	1.00 1.00  0.50 0.50	Somewhat limited Flooding Depth to saturated zone	0.80 0.61	Very limited Flooding	1.00
T6: Okoboji-----	90	Very limited Depth to saturated zone Frost action Low strength Shrink-swell	1.00 1.00 1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
W: Water-----	100	Not rated		Not rated		Not rated	