Logan County, Colorado Print date: 09/09/2003

Table ENG-3.--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.)

Map symbol and soil name	Pct. of map unit	basements	, ·		1	Small commercial buildings 	
		Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
1: Albinas	 - 80 	Flooding	1 1.00	· -	 1.00 0.50	·	1 1.00
2: Alda	 - 80 		 0.07 	 Very limited Depth to saturated zone	11.00	 Somewhat limited Depth to saturated zone	0.07
3: Alda	 - 85 	Flooding	 1.00 0.07	,	11.00	,	 1.00 0.07
4: Altvan	 - 50	 Somewhat limited Shrink-swell	1 1 1 0.50	 Not limited 		 Somewhat limited Shrink-swell	1 1 1 1 0.50
Eckley	- 30 	 Not limited 	 	Not limited	 	 Not limited 	

Table ENG-3.--Building Site Development--Continued

and soil name	 Pct. of map unit	basements	Dwellings without basements			 Small commercial buildings 	
	 	 Rating class and limiting features 		Rating class and limiting features		 Rating class and limiting features 	Value
5: Altvan	50	 Somewhat limited Shrink-swell	 0.50	 Not limited 		 Somewhat limited Slope Shrink-swell	 0.88 0.50
Eckley	30	 Not limited 		 Not limited 		 Somewhat limited Slope	10.88
6*: Aquolls	 80 	Depth to saturated zone	 1.00 0.81 0.50	Depth to saturated zone	11.00	Depth to saturated zone	 1.00 0.81 0.50
7*: Argiustolls, wet	 75 	 Not limited 	 	 Very limited Depth to saturated zone	11.00	 Somewhat limited Slope 	10.50
8*: Argiustolls	 30 	 Not limited 	 	 Very limited Depth to hard bedrock	1 1.00	 Somewhat limited Slope 	 0.12

Table ENG-3.--Building Site Development--Continued

	Pct. of map unit				Dwellings with basements		1
	 			Rating class and limiting features			
8*: Rock outcrop	30	Not rated;		 	İ	 	
	 	Depth to hard bedrock 	1.00 	Depth to hard bedrock 		bedrock	1.00 0.12
9: Arvada	 85	 		 Not limited	 	 Not limited	
10: Ascalon	85	 		 Not limited	 	 Not limited	
11: Ascalon	 85	 		 Not limited	 	 Not limited	
12: Ascalon	90	 Not limited 		 Not limited 	 	 Somewhat limited Slope	10.88
13*: Badland	 70 	 Somewhat limited Depth to soft bedrock 		 Very limited Depth to soft bedrock 	1.00	bedrock	 1.00 1.00

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	basements	Dwellings without basements		ı	Small commercial buildings 	
		 Rating class and limiting features 		Rating class and limiting features		Rating class and limiting features	Value
14: Bankard	80 	· =	1 .00	 	1 1.00	 	1 1.00
15: Bayard	 65 	 Not limited 	 	 Not limited	 	 Somewhat limited Slope	0.12
Canyon	30 	. 4	11.00	 Very limited Depth to hard bedrock	11.00	 Very limited Depth to hard bedrock Slope	 1.00 0.12
16: Bridgeport	 85	 Not limited 	 	 Not limited 	 	 Not limited 	
17: Canyon	 75 	 Very limited Depth to hard bedrock Slope	 1.00 0.84	bedrock	 1.00 0.84	bedrock	 1.00 1.00
18: Chappell	 85 	·	1 1.00	 Very limited Flooding	1 1.00	 Very limited Flooding 	1 1 1 1 1 1 1 1 1 1

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name					h Small comme buildir 			
				Rating class and limiting features				
19: Colby	 85 	 Somewhat limited Slope		 Somewhat limited Slope				
20: Dacono	85 	•	10.50	 Not limited		 Somewhat limited Shrink-swell	10.50	
21: Dailey	 90	 Not limited 	 	 Not limited 		 Not limited 	 	
22: Dailey	 85 	 Not limited 		 Not limited 		 Somewhat limited Slope	 0.50	
23: Dailey, thick surface	 80	 Not limited 	 	 Not limited	 	 Not limited 	 	
24: Dix	50 	-	11.00	 Very limited Slope		 Very limited Slope	1 1.00	
Altvan	30 	•	•	 Somewhat limited Slope		 Very limited Slope 	1 1.00	

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	basements	ut	Dwellings with basements	ı	Small commercia buildings	al
	 			 Rating class and limiting features			
25: Dix	50 	 - Very limited Slope	1 1 1 . 0 0	 	1 1.00	 - Very limited Slope	1 1.00
Eckley	30 	 Somewhat limited Slope		•	0.16	 Very limited Slope	11.00
26: Els	 85 	 Very limited Flooding 	1 1.00	 Very limited Flooding Depth to saturated zone	11.00	 Very limited Flooding 	1 1.00
27: Epping	 90 	 Somewhat limited Depth to soft bedrock 	1.00	 Very limited Depth to soft bedrock	1.00	 Somewhat limited Depth to soft bedrock Slope	11.00
28*: Fluvaquentic Haplaquolls	 90 	Flooding	11.00		1.00	. 2	 1.00 1.00

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	basements	Dwellings without basements			Small commercial buildings 	
		Rating class and limiting features 		Rating class and limiting features			Value
29*: Fluvaquents	90	 	1.00 1.00	Flooding Depth to	1.00 1.00	Flooding	
30: Glenberg	 90 			 Very limited Flooding	1 1.00	 Very limited Flooding	1 1.00
31: Gravel pits	 95 	 Not rated Not rated; Fragments > 75mm	i I	 Not rated Not rated; Fragments > 75mm	İ	 Not rated Not rated; Fragments > 75mm	
32: Haverson	 87	 Not limited	 	 Not limited		 Not limited	
33: Haverson	 85	 Not limited	 	 Not limited		 Not limited	
34: Haverson, frequently flooded		_	 1.00	 Very limited Flooding 	 1.00	 Very limited Flooding 	1 1.00

Table ENG-3.--Building Site Development--Continued

and soil name	 Pct. of map unit	basements	·			Small commercial buildings 	
	 			Rating class and limiting features			
35: Haverson, saline		-		· -		 Very limited Flooding	1 1.00
36: Haxtun	85	 Not limited	 	 Not limited		 Not limited	
37: Haxtun	80	 Not limited		 Not limited		 Not limited	
38: Haxtun	80	 Not limited		 Not limited		 Not limited	
39: Hayford	 80 			 Very limited Depth to saturated zone			11.00
40: Hayford, saline	 80 			 Very limited Depth to saturated zone			1 1.00
41: Heldt	90			 Very limited Shrink-swell 			1 1.00

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name	of map	Pct. Dwellings without of basements		Dwellings with basements			al
	 			Rating class and limiting features			
42:	 	 	 				
Heldt, saline	90 	· <u>=</u>	11.00	Very limited Shrink-swell	11.00	Very limited Shrink-swell	11.00
43: Iliff	 75 	•	1 1 1 1 1 1 1 1 1 1	 Very limited Depth to hard bedrock		 Somewhat limited Shrink-swell	 0.50
		Depth to hard bedrock	0.42	•	0.50	Depth to hard bedrock	0.42
44: Julesburg	 85 	 Not limited 		 Not limited	 	 Not limited 	
45: Julesburg	 85 	 Not limited 		 Not limited 		 Somewhat limited Slope	 0.50
46: Julesburg	 85	 Not limited 		 Not limited	 	 Not limited	
47: Julesburg	85	 Not limited	 	 Not limited	 	 Not limited	İ I
48: Julesburg	 90 	' Not limited 		 Not limited 		 Somewhat limited Slope	1 0.88

Table ENG-3.--Building Site Development--Continued

Map symbol	 Pct.	 Dwellings witho	+	 Dwellings with		 Small commercia	1
and soil name	of		uc	basements		buildings	
	map					<u> </u>	
	unit	 				 	
	i			Rating class and			
		limiting features	 	limiting features		limiting features	
					¦		·
49: Julesburg		 Not limited		 Not limited		 Somewhat limited	
Julesburg	33	 				•	0.12
Eckley	 - 35	 Not limited	 	 Not limited		 Somewhat limited	
Lonicy						•	0.88
50 :		 	 			 	
Keith	85	Not limited	İ	Not limited	į	Not limited	į
51:		 	 			 	
Kim	85	Not limited		Not limited		Somewhat limited Slope	10.50
		 				Slobe	10.30
52:							
Kuma	· 85 	Not limited 	 	Not limited		Not limited	
53:					İ		
Kutch	· 90 	'	1 10 . 50	•	•	Somewhat limited Shrink-swell	10.50
	į			Depth to soft	0.42	•	į
		 	 	bedrock		 	
54:	i			İ	İ		İ
Kutch	· 95 	•	 0.50	Somewhat limited Shrink-swell	 0.50	Somewhat limited Slope	10.50
	İ			Depth to soft		·	0.50
	 	 	 	bedrock		 	
	1	1	1	1	1	1	1

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name	 Pct. of map unit	basements		Dwellings with basements		Small commercial buildings	
		 Rating class and		 Rating class and limiting features			Value
55: Lebsack	80	 Very limited Shrink-swell		 	1 1.00	 - Very limited Shrink-swell	1 1.00
56: Lebsack, saline	 	· <u>=</u>	11.00		1 1.00		11.00
57: Lebsack, wet	 80 	· <u>=</u>	11.00	 Very limited Shrink-swell Depth to saturated zone	1 1.00 10.03	 Very limited Shrink-swell 	1 1.00
58: Loveland	 85 	Flooding Shrink-swell 	1 1 1 0 0 1 0 . 5 0 1 1 1 0 0 . 3 9	Depth to saturated zone	1 1 00 1 1 00 1 1 1 1 1		1.00 0.50
59: Manter	 85 	 Not limited 		 Not limited	 	 Not limited 	

Table ENG-3.--Building Site Development--Continued

	 Pct. of map unit		ut	 Dwellings with basements 		 Small commercia buildings 	al
	 			Rating class and limiting features 		Rating class and limiting features 	
60: Manter	 85 	 Not limited 	 	 Not limited 	 	 Somewhat limited Slope 	 0.50
61: Manter	 85	 Not limited	 	 Not limited	 	 Not limited	
62: Manter	85	 Not limited	 	 Not limited		 Not limited	
63: Manter	 85 	 Not limited 	 	 Not limited 		 Somewhat limited Slope	
64: Manter, watertable	90	 Not limited 	 	 Somewhat limited Depth to saturated zone	0.61	 Not limited 	
65: Manter, wet	 95 	 Not limited 	 	 Somewhat limited Depth to saturated zone		 Not limited 	
66: Manzanola	 90 	•	 0.50	 Somewhat limited Shrink-swell 	•	 Somewhat limited Shrink-swell 	 0.50

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name	 Pct. of map unit	basements	ut	Dwellings with basements		 Small commercia buildings 	1
		 Rating class and		Rating class and limiting features			
67: Midway	 - 85 	Depth to soft	1.00 	Depth to soft bedrock	1 1.00	Depth to soft bedrock	1.00
68: Mitchell	 - 85	 Not limited		 Not limited		 Not limited	
69: Mitchell	 - 55	 Not limited		 Not limited	 	 Not limited	
Keota	- 35 	Not limited 	 	Somewhat limited Depth to soft bedrock		Not limited 	
70: Mitchell	 - 55	 Not limited	 	 Not limited		 Not limited	
Keota	- 35 	Not limited 	 	Somewhat limited Depth to soft bedrock	•	Somewhat limited Slope 	0.88
71: Mitchell	 - 50	 Not limited		 Not limited		 Not limited	
Norka	- 40 	 Not limited 	 	 Not limited 		 Not limited 	

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name	 Pct. of map unit	basements	ut	Dwellings with basements		Small commercia buildings 	1
				Rating class and limiting features			Value
72: Mosher	90	•	1		 0.50 0.35	•	
73: Mosher	 - 88 		0.50	•		 Somewhat limited Shrink-swell 	0.50
74: Norka	 - 90	 Not limited	 	 Not limited	 	 Not limited	
75: Norka	- 50	 Not limited		 Not limited		 Not limited	
Ulysses	- 35	 Not limited	 	 Not limited		 Not limited	
76: Nunn	- 90	 Somewhat limited Shrink-swell	0.50	 Not limited 		 Somewhat limited Shrink-swell	1 0.50
77: Nunn	- 90 	 Somewhat limited Shrink-swell	10.50	 Not limited 		 Somewhat limited Shrink-swell	 0.50

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	basements	Dwellings without basements		1	Small commercial buildings 	
		Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
78: Nunn	- - 90	 Somewhat limited Shrink-swell		 Not limited 	 	 Somewhat limited Shrink-swell	0.50
79: Nunn	 - 90 	 Somewhat limited Shrink-swell 	 0.50	 Not limited 	 	 Somewhat limited Slope Shrink-swell	 0.88 0.50
80: Nunn	 - 90 	 Somewhat limited Shrink-swell 	10.50	 Not limited 	 	 Somewhat limited Shrink-swell 	10.50
81: Nunn	 - 90 	 Somewhat limited Shrink-swell 	 0.50 	 Not limited 	 	 Somewhat limited Slope Shrink-swell	 0.50 0.50
82: Nunn, watertable	 - 85 	 Somewhat limited Shrink-swell 	 0.50 		0.61	 Somewhat limited Shrink-swell 	 0.50

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name	 Pct. of map unit	basements	ut	Dwellings with basements		Small commercia buildings 	al
		Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	
83: Nunn, wet	 - 85 	•	1 1 1 0.50	saturated zone		 Somewhat limited Shrink-swell	 0.50
84: Olney	 - 90	 Not limited	 	 Not limited	 	 Not limited	
85: Olney	 - 85 	 Not limited	 	 Not limited		 Somewhat limited Slope	0.88
86: Peetz	 - 85 	· -	1 1.00	 Very limited Slope	1.00	 Very limited Slope	1 1.00
87: Platner	 - 85 	•	0.50	 Not limited 		 Somewhat limited Shrink-swell	10.50
88: Platner	 - 95 		0.50	 Not limited 		 Somewhat limited Shrink-swell	10.50
89: Platner	 - 85 	•	10.50	 Not limited 		 Somewhat limited Shrink-swell	10.50

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	basements	ut	Dwellings with basements		Small commercia buildings 	1
	 	 Rating class and limiting features 		Rating class and limiting features		Rating class and limiting features 	Value
90: Platner	- - 80	•		 Not limited 		 Somewhat limited Shrink-swell	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
91: Platner	 - 45 	•	0.50	 Not limited		 Somewhat limited Shrink-swell	0.50
Rago	- 25 	•	1 0.50	Not limited		Somewhat limited Shrink-swell	1 0.50
Dacono	- 20 	•	1 0.50	 Not limited 		 Somewhat limited Shrink-swell	1 0.50
92: Rago	 - 80 	•	 0.50	 Not limited 	 	 Somewhat limited Shrink-swell	 0.50
93: Rago	 - 85 		10.50	 Not limited 		 Somewhat limited Shrink-swell	10.50
94: Renohill	 - 60 	•	1.00	 Very limited Shrink-swell Depth to soft bedrock	 1.00 0.42 		 1.00 0.12

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	basements	ut	Dwellings with basements	n	Small commerci buildings 	al
	 	 Rating class and limiting features 		Rating class and limiting features		 Rating class and limiting features 	
94: Shingle	 - 20 	•	 1.00 	 - Very limited Depth to soft bedrock	1 1.00	 Somewhat limited Depth to soft bedrock Slope	 1.00 0.88
95*:	l	 	 	1		 	
Rock outcrop	-i 70 	Not rated; Fragments > 75mm	i I	Not rated Not rated; Fragments > 75mm Depth to hard	İ	=	 1.00
		bedrock		bedrock	1	 slobe	11.00
		Slope 	1.00	Slope	1.00	Depth to hard bedrock	1.00
Argiustolls	- 20 	· <u>=</u>	 1.00	Very limited Depth to hard bedrock	1 1.00	 Very limited Slope 	11.00
		Depth to hard bedrock	0.84 		1.00	Depth to hard bedrock	0.84
96: Rosebud	 - 50 	 Not limited 	 	 Somewhat limited Depth to soft bedrock	1 1 0.42	 Not limited 	

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	Dwellings without basements		Dwellings with basements	ı	Small commercia buildings	al
	 	 Rating class and limiting features 		Rating class and limiting features		Rating class and limiting features	Value
96: Escabosa	30 		 0.42 	 - Very limited Depth to hard bedrock	1 1.00	 - Somewhat limited Depth to hard bedrock	 0.42
97: Rosebud	 50 	 Not limited 	 	 Somewhat limited Depth to soft bedrock	 0.42	 Somewhat limited Slope 	 0.88
Escabosa	30 	 Somewhat limited Depth to hard bedrock 		Very limited Depth to hard bedrock 	11.00	Somewhat limited Slope Depth to hard bedrock	1 0.88 1 0.42
98: Rosebud	 45 	 Not limited 	 	 Somewhat limited Depth to soft bedrock	1 1 1 1 1 1 1 1 1 1	 Not limited 	
Escabosa	30 	 Somewhat limited Depth to hard bedrock 	 0.42 	 Very limited Depth to hard bedrock	 1.00 	 Somewhat limited Depth to hard bedrock	 0.42

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit		ut	Dwellings with basements	ı	Small commercia buildings I	al
	 	=		Rating class and limiting features		-	Value
98: Iliff	20	Shrink-swell 	0.50 	 Very limited Depth to hard bedrock Shrink-swell	11.00		 0.50 0.42
99: Satanta	 80	 Not limited	 	 Not limited	 	 Not limited	
100: Satanta	 85	 Not limited		 Not limited		 Not limited	
101: Satanta	 90	 Not limited		 Not limited		 Not limited	
102: Satanta, watertable-	90	 Not limited 		 Somewhat limited Depth to saturated zone	0.15	 Not limited 	
103: Satanta, wet	 90 	 Not limited 	 	 Somewhat limited Depth to saturated zone		 Not limited 	

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name	-		ut	Dwellings with basements	n	Small commercial buildings	
	 	-		Rating class and limiting features		-	Value
104: Shingle	90 			 	'	 - Somewhat limited Depth to soft bedrock Slope	 1.00 0.12
105: Stoneham	90 	 Not limited 	 	 Not limited 	 	 Somewhat limited Slope	1 1 1 1 1 1 1 1 1 1
106: Stoneham	 85 	 Not limited 	 	 Not limited	 	 Not limited	
107: Stoneham	90 	 Not limited 	 	 Not limited	 	 Somewhat limited Slope	1 0.88
108: Stoneham	60 	 Not limited 		 Not limited		 Somewhat limited Slope	10.50
Cushman	35 	 Not limited 		Somewhat limited Depth to soft bedrock	0.42	Somewhat limited Slope 	10.50

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	basements	ut	Dwellings with basements		Small commercia buildings 	al
	 -	Rating class and limiting features 		Rating class and limiting features		Rating class and limiting features 	Value
109: Thedalund	 - 45 	=	 1.00 	Slope	 1.00 0.42	 Very limited Slope 	1 1.00
Kim	- 30 		0.63	Somewhat limited Slope	0.63	 Very limited Slope	11.00
Shingle	- 20 	Depth to soft bedrock	1.00	bedrock	 1.00 1.00	i -	 1.00 1.00
110: Wagonwheel	 - 4 5 	 Somewhat limited Shrink-swell 	 0.50	 Not limited 	 	 Somewhat limited Shrink-swell 	 0.50
Stoneham	- j 30	Not limited	i I	Not limited	İ	Not limited	İ
111: Wagonwheel	 - 40 	Shrink-swell	 0.50 0.04		 0.04 	 Very limited Slope Shrink-swell 	11.00

Table ENG-3.--Building Site Development--Continued

		Dwellings witho	ut	Dwellings with		 Small commercia	.1
and soil name	of map unit 	I		basements 		buildings 	
	i 			Rating class and limiting features			
111: Colby	 35 			 Somewhat limited Slope 			 1.00
112*: Ustic Torriorthents-	 84 			· -	11.00	 Very limited Slope 	1.00
113: Valent	95	 Not limited	 	 Not limited	 	 Not limited	
114: Valent	 95 			 Very limited Slope	1 1.00	 Very limited Slope	11.00
115: Valent	90	•		 Somewhat limited Slope			11.00
116: Vona	 95 	 Not limited 	 	 Not limited 	 	 Somewhat limited Slope	0.50
117: Vona	95	 Not limited 	 	 Not limited 	 	 Somewhat limited Slope 	 0.50

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name	 Pct. of map unit	basements	Dwellings with basements	Small commercial buildings
	 _		 ue Rating class and Value limiting features 	
118: Wages	 - 85			
119: Wages	 - 85 		 Not limited 	
120: Wages	 - 85 		 Not limited	
121: Wages	 - 55			
Altvan	 - 25 		 Not limited	
122: Wages	 - 50			
Manter	- 30 		 Not limited	
123: Wages	 - 60			

Table ENG-3.--Building Site Development--Continued

Map symbol	 Pct.	Dwellings without		 Dwellings with		 Small commercial	
and soil name	of map unit	basements		basements		buildings	
	 -			Rating class and limiting features			Value
123: Rosebud	 - 30 	 Not limited 	 	 Somewhat limited Depth to soft bedrock	•	 Not limited 	
124: Wages	 - 50 	 Not limited 	 	 Not limited		 Somewhat limited Slope	0.88
Rosebud	- 30 	 Not limited 	 	Somewhat limited Depth to soft bedrock	0.42	Somewhat limited Slope 	10.88
125: Weld	 - 80 	•	 0.50	 Not limited 	 	 Somewhat limited Shrink-swell	1 0.50
126: Weld	 - 80 	•	 0.50	 Not limited 	 	 Somewhat limited Shrink-swell	 0.50
127: Westplain	 - 85 	 Very limited Flooding Depth to saturated zone 	11.00	Flooding	1.00	 Very limited Flooding Depth to saturated zone	11.00

Table ENG-3.--Building Site Development--Continued

Map symbol and soil name	Pct. of map unit	basements		Dwellings with basements		Small commercial buildings 	
	 	Rating class and limiting features		Rating class and limiting features		Rating class and limiting features	Value
128:		 		[[
Westplain	- i 55 	Flooding	11.00		1.00		11.00
		saturated zone 		saturated zone		saturated zone	
Alda	- 35 	Very limited Flooding 	 1.00 	Very limited Flooding Depth to saturated zone	 1.00 0.99 	Very limited Flooding 	 1.00
W: Water	 - 100	•		 Not rated	!	 Not rated	i !
	 	Not rated; Slope Not rated; Fragments > 75mm 	İ	Not rated; Slope Not rated; Fragments > 75mm 	Ì	Not rated; Slope Not rated; Fragments > 75mm 	 n