

Engineering Interpretations

Building Site Development

Soil properties influence development of building sites, including the selection of the site, the design of the structure, construction, post construction performance, and maintenance. Soil limitation ratings of slight, moderate, and severe are given for shallow excavations, dwellings with and without basements, small commercial buildings, local roads and streets, and lawns, landscaping, and golf fairways.

Shallow Excavations

Shallow excavations are trenches or holes dug in the soil to a maximum depth of 5 or 6 feet. They are used for pipelines, sewer lines, telephone and power transmission lines, basements, open ditches, and cemeteries. The ratings are based on the soil properties that influence ease of digging and resistance to sloughing.

Dwellings With or Without Basements

These are single-family houses of three stories or less. The foundation is assumed to be spread footings of reinforced concrete built on undisturbed soil at a depth of 2 feet or the depth of maximum frost penetration, whichever is deeper, for houses without basements, or at a depth of 7 feet if a basement is constructed. The ratings are based on properties affecting soil strength and settlement under a load, and those that affect excavation and construction costs.

Small Commercial Buildings

Limitation ratings are given for the undisturbed soil on which small commercial buildings of less than three stories without basements are built. The foundation is assumed to be placed on spread footings of reinforced concrete at a depth of 2 feet or the depth of maximum frost penetration, whichever is deeper.

Local Roads and Streets

Limitation ratings are given for the use of soils for construction of improved local roads and streets that have all-weather surfacing, commonly of asphalt, gravel with binder in it, or concrete, and that are expected to carry automobile traffic all year. These roads and streets are graded to shed water, and conventional drainage measures are provided. With the probable exception of the hard surface, roads and streets are built mainly from the soil at hand.

Lawns, Landscaping, and Golf Fairways

The soils are rated for their use in establishing and maintaining turf for lawns and golf fairways and ornamental trees and shrubs for residential type landscaping. The ratings are based on the use of soil material at the location with some land smoothing. Irrigation may or may not be needed and is not a criterion in rating. Traps, trees, roughs, and greens are not considered as part of the golf fairway. The properties considered are those listed that affect plant growth and trafficability after vegetation is established.

This subsection includes:

- **(a) Building Site Development**

Henry County, Missouri: Detailed Soil Map Legend

Building Site Development

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BaB: Barco-----	Moderately limited ~shrink-swell (moderately limited)	0.45	Slightly limited ~shrink-swell (slightly limited)	0.04	Moderately limited ~shrink-swell (moderately limited) ~slope (slightly limited)	0.45 0.15	Limited ~low strength (limited) ~shrink-swell (moderately limited)	0.78 0.45	Not limited	
BaB2: Barco-----	Moderately limited ~shrink-swell (moderately limited)	0.45	Slightly limited ~shrink-swell (slightly limited)	0.11	Moderately limited ~shrink-swell (moderately limited) ~slope (slightly limited)	0.45 0.15	Limited ~low strength (limited) ~shrink-swell (moderately limited)	0.78 0.45	Not limited	
BaC: Barco-----	Moderately limited ~shrink-swell (moderately limited) ~slope (moderately limited)	0.45 0.30	Moderately limited ~slope (moderately limited) ~shrink-swell (slightly limited)	0.30 0.04	Limited ~slope (limited) ~shrink-swell (moderately limited)	0.99 0.45	Limited ~low strength (limited) ~shrink-swell (moderately limited)	0.78 0.45	Not limited	
BaC2: Barco-----	Moderately limited ~shrink-swell (moderately limited) ~slope (moderately limited)	0.45 0.30	Moderately limited ~slope (moderately limited) ~shrink-swell (slightly limited)	0.30 0.11	Limited ~slope (limited) ~shrink-swell (moderately limited)	0.99 0.45	Limited ~low strength (limited) ~shrink-swell (moderately limited)	0.78 0.45	Not limited	
BaC3: Barco-----	Moderately limited ~slope (moderately limited) ~shrink-swell (moderately limited)	0.60 0.45	Moderately limited ~slope (moderately limited) ~shrink-swell (slightly limited)	0.60 0.11	Very limited ~slope (very limited) ~shrink-swell (moderately limited)	1.00 0.45	Limited ~low strength (limited) ~shrink-swell (moderately limited) ~slope (slightly limited)	0.78 0.45 0.16	Slightly limited ~slope (slightly limited)	0.16

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BaD2: Barco-----	Limited ~slope (limited) ~shrink-swell (moderately limited)	0.99 0.45	Limited ~slope (limited) ~shrink-swell (slightly limited)	0.99 0.11	Very limited ~slope (very limited) ~shrink-swell (moderately limited)	1.00 0.45	Very limited ~slope (very limited) ~low strength (limited) ~shrink-swell (moderately limited)	1.00 0.78 0.45	Very limited ~slope (very limited)	1.00
BoB: Bolivar-----	Not limited		Moderately limited ~depth to bedrock (moderately limited)	0.48	Slightly limited ~slope (slightly limited)	0.15	Slightly limited ~low strength (slightly limited)	0.22	Not limited	
BoB2: Bolivar-----	Not limited		Moderately limited ~depth to bedrock (moderately limited)	0.48	Slightly limited ~slope (slightly limited)	0.15	Slightly limited ~low strength (slightly limited)	0.22	Not limited	
BoC2: Bolivar-----	Moderately limited ~slope (moderately limited)	0.30	Moderately limited ~depth to bedrock (moderately limited) ~slope (moderately limited)	0.48 0.30	Limited ~slope (limited)	0.99	Slightly limited ~low strength (slightly limited)	0.22	Not limited	
BoD2: Bolivar-----	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited) ~depth to bedrock (moderately limited)	1.00 0.48	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited) ~low strength (slightly limited)	1.00 0.22	Very limited ~slope (very limited)	1.00

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BrC: Bolivar-----	Moderately limited ~slope (moderately limited)	0.45	Moderately limited ~depth to bedrock (moderately limited) ~slope (moderately limited)	0.48 0.45	Very limited ~slope (very limited)	1.00	Slightly limited ~low strength (slightly limited) ~slope (slightly limited)	0.22 0.04	Slightly limited ~slope (slightly limited)	0.04
Rock land-----	Not rated		Not rated		Not rated		Not rated		Not rated	
BrE: Bolivar-----	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited) ~depth to bedrock (moderately limited)	1.00 0.48	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited) ~low strength (slightly limited)	1.00 0.22	Very limited ~slope (very limited)	1.00
Rock land-----	Not rated		Not rated		Not rated		Not rated		Not rated	
ChB: Cherokee-----	Very limited ~shrink-swell (very limited) ~wetness (very limited)	1.00 1.00	Very limited ~wetness (very limited) ~shrink-swell (very limited)	1.00 1.00	Very limited ~shrink-swell (very limited) ~wetness (limited)	1.00 0.99	Very limited ~low strength (very limited) ~shrink-swell (very limited) ~wetness (limited)	1.00 1.00 0.99	Limited ~wetness (limited)	0.99

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
ChB2: Cherokee-----	Very limited ~shrink-swell (very limited) ~wetness (very limited)	1.00 1.00	Very limited ~wetness (very limited) ~shrink-swell (very limited)	1.00 1.00	Very limited ~shrink-swell (very limited) ~wetness (limited)	1.00 0.99	Very limited ~low strength (very limited) ~shrink-swell (very limited) ~wetness (limited)	1.00 1.00 0.99	Limited ~wetness (limited)	0.99
CoC: Coweta-----	Not limited		Limited ~soft bedrock <40" (limited)	0.93	Limited ~slope (limited)	0.68	Not limited		Limited ~droughty (limited) ~depth to bedrock (limited) ~large stones (slightly limited)	0.87 0.73 0.19
CoD: Coweta-----	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited) ~soft bedrock <40" (limited)	1.00 0.93	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited) ~droughty (limited) ~depth to bedrock (limited)	1.00 0.87 0.73
CrB: Crelton-----	Moderately limited ~shrink-swell (moderately limited) ~wetness (moderately limited)	0.45 0.44	Very limited ~wetness (very limited) ~shrink-swell (moderately limited)	1.00 0.36	Moderately limited ~shrink-swell (moderately limited) ~slope (slightly limited)	0.45 0.15	Very limited ~low strength (very limited) ~shrink-swell (moderately limited)	1.00 0.45	Slightly limited ~too acid (slightly limited)	0.12

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
CrC: Crelton-----	Moderately limited ~shrink-swell (moderately limited)	0.45	Very limited ~wetness (very limited)	1.00	Limited ~slope (limited)	0.83	Very limited ~low strength (very limited)	1.00	Slightly limited ~too acid (slightly limited)	0.12
	~wetness (moderately limited)	0.44	~shrink-swell (moderately limited)	0.36	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45		
	~slope (slightly limited)	0.15	~slope (slightly limited)	0.15						
CsB: Crider-----	Not limited		Slightly limited ~shrink-swell (slightly limited)	0.15	Slightly limited ~slope (slightly limited)	0.15	Very limited ~low strength (very limited)	1.00	Not limited	
CsB2: Crider-----	Not limited		Slightly limited ~shrink-swell (slightly limited)	0.15	Slightly limited ~slope (slightly limited)	0.15	Very limited ~low strength (very limited)	1.00	Not limited	
CsC2: Crider-----	Moderately limited ~slope (moderately limited)	0.60	Moderately limited ~slope (moderately limited)	0.60	Very limited ~slope (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Slightly limited ~slope (slightly limited)	0.16
			~shrink-swell (slightly limited)	0.15			~slope (slightly limited)	0.16		
DeB: Deepwater-----	Moderately limited ~shrink-swell (moderately limited)	0.45	Limited ~wetness (limited)	0.73	Moderately limited ~shrink-swell (moderately limited)	0.45	Moderately limited ~shrink-swell (moderately limited)	0.45	Not limited	
	~wetness (slightly limited)	0.08	~shrink-swell (slightly limited)	0.30	~slope (slightly limited)	0.15				

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
DeB2: Deepwater-----	Moderately limited ~shrink-swell (moderately limited) ~wetness (slightly limited)	0.45 0.08	Limited ~wetness (limited) ~shrink-swell (slightly limited)	0.73 0.30	Moderately limited ~shrink-swell (moderately limited) ~slope (slightly limited)	0.45 0.15	Moderately limited ~shrink-swell (moderately limited)	0.45	Not limited	
DeC: Deepwater-----	Moderately limited ~shrink-swell (moderately limited) ~slope (moderately limited) ~wetness (slightly limited)	0.45 0.30 0.08	Limited ~wetness (limited) ~slope (moderately limited) ~shrink-swell (slightly limited)	0.73 0.30 0.30	Limited ~slope (limited) ~shrink-swell (moderately limited)	0.99 0.45	Moderately limited ~shrink-swell (moderately limited)	0.45	Not limited	
DeC2: Deepwater-----	Moderately limited ~shrink-swell (moderately limited) ~slope (moderately limited) ~wetness (slightly limited)	0.45 0.30 0.08	Limited ~wetness (limited) ~slope (moderately limited) ~shrink-swell (slightly limited)	0.73 0.30 0.30	Limited ~slope (limited) ~shrink-swell (moderately limited)	0.99 0.45	Moderately limited ~shrink-swell (moderately limited)	0.45	Not limited	
DpB3: Deepwater-----	Moderately limited ~shrink-swell (moderately limited) ~wetness (slightly limited)	0.45 0.08	Limited ~wetness (limited) ~shrink-swell (slightly limited)	0.73 0.30	Moderately limited ~shrink-swell (moderately limited) ~slope (slightly limited)	0.45 0.15	Moderately limited ~shrink-swell (moderately limited)	0.45	Moderately limited ~too clayey (moderately limited)	0.60

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value								
DpC3: Deepwater-----	Moderately limited ~shrink-swell (moderately limited)	0.45	Limited ~wetness (limited)	0.73	Limited ~slope (limited)	0.99	Moderately limited ~shrink-swell (moderately limited)	0.45	Moderately limited ~too clayey (moderately limited)	0.60
	~slope (moderately limited)	0.30	~slope (moderately limited)	0.30	~shrink-swell (moderately limited)	0.45				
	~wetness (slightly limited)	0.08	~shrink-swell (slightly limited)	0.30						
ELB: Eldon-----	Moderately limited ~shrink-swell (moderately limited)	0.45	Moderately limited ~shrink-swell (moderately limited)	0.32	Moderately limited ~shrink-swell (moderately limited)	0.45	Moderately limited ~shrink-swell (moderately limited)	0.45	Moderately limited ~large stones (moderately limited)	0.45
					~slope (slightly limited)	0.15	~low strength (slightly limited)	0.22	~droughty (slightly limited)	0.22
ELC: Eldon-----	Moderately limited ~shrink-swell (moderately limited)	0.45	Moderately limited ~shrink-swell (moderately limited)	0.32	Limited ~slope (limited)	0.99	Moderately limited ~shrink-swell (moderately limited)	0.45	Moderately limited ~large stones (moderately limited)	0.45
	~slope (moderately limited)	0.30	~slope (moderately limited)	0.30	~shrink-swell (moderately limited)	0.45	~low strength (slightly limited)	0.22	~droughty (slightly limited)	0.22
EID: Eldon-----	Limited ~slope (limited)	0.99	Limited ~slope (limited)	0.99	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00
	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.32	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~large stones (moderately limited)	0.45
							~low strength (slightly limited)	0.22	~droughty (slightly limited)	0.22

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
GoC: Goss-----	Moderately limited ~slope (moderately limited)	0.45	Moderately limited ~slope (moderately limited)	0.45	Very limited ~slope (very limited)	1.00	Slightly limited ~slope (slightly limited)	0.04	Slightly limited ~small stones (slightly limited)	0.27
	~large stones (slightly limited)	0.03	~shrink-swell (slightly limited)	0.15	~large stones (slightly limited)	0.03	~large stones (slightly limited)	0.03	~droughty (slightly limited)	0.17
			~large stones (slightly limited)	0.03					~slope (slightly limited)	0.04
GoD: Goss-----	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00
	~large stones (slightly limited)	0.03	~shrink-swell (slightly limited)	0.15	~large stones (slightly limited)	0.03	~large stones (slightly limited)	0.03	~small stones (slightly limited)	0.27
			~large stones (slightly limited)	0.03					~droughty (slightly limited)	0.17
HtA: Hartwell-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~shrink-swell (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Limited ~wetness (limited)	0.99
	~wetness (very limited)	1.00	~shrink-swell (moderately limited)	0.38	~wetness (limited)	0.99	~shrink-swell (very limited)	1.00		
							~wetness (limited)	0.99		
HtB: Hartwell-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~wetness (very limited)	1.00	Very limited ~shrink-swell (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Limited ~wetness (limited)	0.99
	~wetness (very limited)	1.00	~shrink-swell (moderately limited)	0.38	~wetness (limited)	0.99	~shrink-swell (very limited)	1.00		
							~wetness (limited)	0.99		

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HtB2: Hartwell-----	Very limited ~shrink-swell (very limited) ~wetness (very limited)	1.00 1.00	Very limited ~wetness (very limited) ~shrink-swell (moderately limited)	1.00 0.38	Very limited ~shrink-swell (very limited) ~wetness (limited) ~slope (slightly limited)	1.00 0.99 0.15	Very limited ~low strength (very limited) ~shrink-swell (very limited) ~wetness (limited)	1.00 1.00 0.99	Limited ~wetness (limited)	0.99
HyB3: Hartwell-----	Very limited ~shrink-swell (very limited) ~wetness (very limited)	1.00 1.00	Very limited ~wetness (very limited) ~shrink-swell (moderately limited)	1.00 0.38	Very limited ~shrink-swell (very limited) ~wetness (limited) ~slope (slightly limited)	1.00 0.99 0.15	Very limited ~low strength (very limited) ~shrink-swell (very limited) ~wetness (limited)	1.00 1.00 0.99	Limited ~wetness (limited)	0.99
Ls: Lightning-----	Very limited ~flooding (very limited) ~shrink-swell (very limited) ~wetness (very limited)	1.00 1.00 1.00	Very limited ~flooding (very limited) ~wetness (very limited) ~shrink-swell (very limited)	1.00 1.00 1.00	Very limited ~flooding (very limited) ~shrink-swell (very limited) ~wetness (very limited)	1.00 1.00 1.00	Very limited ~low strength (very limited) ~flooding (very limited) ~shrink-swell (very limited)	1.00 1.00 1.00	Very limited ~wetness (very limited) ~flooding (moderately limited)	1.00 0.60
MaB: Mandeville-----	Not limited		Not limited		Slightly limited ~slope (slightly limited)	0.15	Very limited ~low strength (very limited)	1.00	Not limited	
MaC2: Mandeville-----	Moderately limited ~slope (moderately limited)	0.30	Moderately limited ~slope (moderately limited)	0.30	Limited ~slope (limited)	0.99	Very limited ~low strength (very limited)	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	Rating class and limiting features	Value	Rating class and limiting features	Value
MaD: Mandeville-----	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited)	1.00	Very limited ~slope (very limited) ~low strength (very limited)	1.00 1.00	Very limited ~slope (very limited)	1.00
Mp: Mine pits and dumps-----	Not rated		Not rated		Not rated		Not rated		Not rated	
Mu: Muldrow-----	Very limited ~wetness (very limited) ~shrink-swell (moderately limited)	1.00 0.45	Very limited ~wetness (very limited) ~shrink-swell (moderately limited)	1.00 0.37	Very limited ~wetness (very limited) ~shrink-swell (moderately limited)	1.00 0.45	Very limited ~low strength (very limited) ~wetness (very limited) ~shrink-swell (moderately limited)	1.00 1.00 0.45	Very limited ~wetness (very limited)	1.00
NeB: Newtonia-----	Very limited ~shrink-swell (very limited)	1.00	Very limited ~shrink-swell (very limited)	1.00	Very limited ~shrink-swell (very limited)	1.00	Very limited ~low strength (very limited) ~shrink-swell (very limited)	1.00 1.00	Not limited	
NoD2: Norris-----	Very limited ~slope (very limited) ~soft bedrock <20" (limited)	1.00 0.80	Very limited ~soft bedrock <20" (very limited) ~slope (very limited)	1.00 1.00	Very limited ~slope (very limited) ~soft bedrock <20" (limited)	1.00 0.80	Very limited ~slope (very limited) ~soft bedrock <20" (limited)	1.00 1.00 0.80	Very limited ~shallow to bedrock (very limited) ~droughty (very limited) ~slope (very limited)	1.00 1.00 1.00 1.00

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	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Os: Osage-----	Very limited ~wetness (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Very limited ~wetness (very limited)	1.00
	~flooding (very limited)	1.00	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~too clayey (moderately limited)	0.60
	~shrink-swell (very limited)	1.00	~shrink-swell (very limited)	1.00	~shrink-swell (very limited)	1.00	~flooding (very limited)	1.00	~flooding (moderately limited)	0.60
Ot: Osage-----	Very limited ~wetness (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Very limited ~wetness (very limited)	1.00
	~flooding (very limited)	1.00	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~too clayey (moderately limited)	0.60
	~shrink-swell (very limited)	1.00	~shrink-swell (very limited)	1.00	~shrink-swell (very limited)	1.00	~flooding (very limited)	1.00	~flooding (moderately limited)	0.60
Oy: Osage-----	Very limited ~wetness (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Very limited ~wetness (very limited)	1.00
	~flooding (very limited)	1.00	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~wetness (very limited)	1.00	~too clayey (very limited)	1.00
	~shrink-swell (very limited)	1.00	~shrink-swell (very limited)	1.00	~shrink-swell (very limited)	1.00	~flooding (very limited)	1.00	~flooding (moderately limited)	0.60
Qu: Quarles-----	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~flooding (very limited)	1.00	Very limited ~low strength (very limited)	1.00	Very limited ~wetness (very limited)	1.00
	~shrink-swell (very limited)	1.00	~wetness (very limited)	1.00	~shrink-swell (very limited)	1.00	~flooding (very limited)	1.00	~flooding (moderately limited)	0.60
	~wetness (very limited)	1.00	~shrink-swell (limited)	0.63	~wetness (very limited)	1.00	~shrink-swell (very limited)	1.00	~too acid (slightly limited)	0.30

Henry County, Missouri: Detailed Soil Map Legend

Building Site Development

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
RgD: Rock land-----	Not rated		Not rated		Not rated		Not rated		Not rated	
Gasconade-----	Very limited ~hard bedrock <20" (very limited)	1.00	Very limited ~hard bedrock <40" (very limited)	1.00	Very limited ~hard bedrock <20" (very limited)	1.00	Very limited ~hard bedrock <20" (very limited)	1.00	Very limited ~shallow to bedrock (very limited)	1.00
	~slope (very limited)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00	~slope (very limited)	1.00	~droughty (very limited)	1.00
	~large stones (limited)	0.81	~large stones (limited)	0.81	~large stones (limited)	0.81	~large stones (limited)	0.81	~slope (very limited)	1.00
RoC: Roseland-----	Moderately limited ~shrink-swell (moderately limited)	0.45	Moderately limited ~shrink-swell (moderately limited)	0.41	Limited ~slope (limited)	0.68	Moderately limited ~shrink-swell (moderately limited)	0.45	Slightly limited ~too acid (slightly limited)	0.12
					~shrink-swell (moderately limited)	0.45				
RoD: Roseland-----	Limited ~slope (limited)	0.83	Limited ~slope (limited)	0.83	Very limited ~slope (very limited)	1.00	Limited ~slope (limited)	0.84	Limited ~slope (limited)	0.84
	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.41	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~too acid (slightly limited)	0.12
RsD3: Roseland-----	Moderately limited ~slope (moderately limited)	0.60	Moderately limited ~slope (moderately limited)	0.60	Very limited ~slope (very limited)	1.00	Moderately limited ~shrink-swell (moderately limited)	0.45	Moderately limited ~small stones (moderately limited)	0.33
	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~shrink-swell (moderately limited)	0.45	~slope (slightly limited)	0.16	~slope (slightly limited)	0.16
									~too acid (slightly limited)	0.12

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
SnB: Snead-----	Very limited ~shrink-swell (very limited) ~wetness (moderately limited)	1.00 0.44	Very limited ~shrink-swell (very limited) ~wetness (very limited) ~soft bedrock <40" (limited)	1.00 1.00 0.90	Very limited ~shrink-swell (very limited) ~slope (slightly limited)	1.00 0.15	Very limited ~low strength (very limited) ~shrink-swell (very limited)	1.00 1.00	Very limited ~too clayey (very limited) ~depth to bedrock (limited) ~droughty (moderately limited)	1.00 0.66 0.36
SnB2: Snead-----	Very limited ~shrink-swell (very limited) ~wetness (moderately limited)	1.00 0.44	Very limited ~shrink-swell (very limited) ~wetness (very limited) ~soft bedrock <40" (limited)	1.00 1.00 0.90	Very limited ~shrink-swell (very limited) ~slope (slightly limited)	1.00 0.15	Very limited ~low strength (very limited) ~shrink-swell (very limited)	1.00 1.00	Very limited ~too clayey (very limited) ~depth to bedrock (limited) ~droughty (moderately limited)	1.00 0.66 0.36
SnC2: Snead-----	Very limited ~shrink-swell (very limited) ~slope (moderately limited) ~wetness (moderately limited)	1.00 0.60 0.44	Very limited ~shrink-swell (very limited) ~wetness (very limited) ~soft bedrock <40" (limited)	1.00 1.00 0.90	Very limited ~shrink-swell (very limited) ~slope (very limited)	1.00 1.00	Very limited ~low strength (very limited) ~shrink-swell (very limited) ~slope (slightly limited)	1.00 1.00 0.16	Very limited ~too clayey (very limited) ~depth to bedrock (limited) ~droughty (moderately limited)	1.00 0.66 0.36
SuB: Summit-----	Very limited ~shrink-swell (very limited) ~wetness (moderately limited)	1.00 0.49	Very limited ~wetness (very limited) ~shrink-swell (very limited)	1.00 1.00	Very limited ~shrink-swell (very limited) ~slope (slightly limited) ~wetness (slightly limited)	1.00 0.15 0.09	Very limited ~shrink-swell (very limited) ~low strength (very limited) ~wetness (slightly limited)	1.00 1.00 0.09	Moderately limited ~too clayey (moderately limited) ~wetness (slightly limited)	0.60 0.09

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Building Site Development

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
SuB2: Summit-----	Very limited ~shrink-swell (very limited) ~wetness (moderately limited)	1.00 0.49	Very limited ~shrink-swell (very limited) ~wetness (very limited)	1.00 1.00	Very limited ~shrink-swell (very limited) ~slope (slightly limited) ~wetness (slightly limited)	1.00 0.15 0.09	Very limited ~shrink-swell (very limited) ~low strength (very limited) ~wetness (slightly limited)	1.00 1.00 0.09	Moderately limited ~too clayey (moderately limited) ~wetness (slightly limited)	0.60 0.09
SuC: Summit-----	Very limited ~shrink-swell (very limited) ~wetness (moderately limited) ~slope (moderately limited)	1.00 0.49 0.30	Very limited ~wetness (very limited) ~shrink-swell (very limited) ~slope (moderately limited)	1.00 1.00 0.30	Very limited ~shrink-swell (very limited) ~slope (limited) ~wetness (slightly limited)	1.00 0.99 0.09	Very limited ~shrink-swell (very limited) ~low strength (very limited) ~wetness (slightly limited)	1.00 1.00 0.09	Moderately limited ~too clayey (moderately limited) ~wetness (slightly limited)	0.60 0.09
SuC2: Summit-----	Very limited ~shrink-swell (very limited) ~wetness (moderately limited) ~slope (moderately limited)	1.00 0.49 0.30	Very limited ~shrink-swell (very limited) ~wetness (very limited) ~slope (moderately limited)	1.00 1.00 0.30	Very limited ~shrink-swell (very limited) ~slope (limited) ~wetness (slightly limited)	1.00 0.99 0.09	Very limited ~shrink-swell (very limited) ~low strength (very limited) ~wetness (slightly limited)	1.00 1.00 0.09	Moderately limited ~too clayey (moderately limited) ~wetness (slightly limited)	0.60 0.09
Ur: Urich-----	Very limited ~flooding (very limited) ~shrink-swell (very limited) ~wetness (very limited)	1.00 1.00 1.00	Very limited ~flooding (very limited) ~wetness (very limited) ~shrink-swell (very limited)	1.00 1.00 1.00	Very limited ~flooding (very limited) ~shrink-swell (very limited) ~wetness (very limited)	1.00 1.00 1.00	Very limited ~low strength (very limited) ~flooding (very limited) ~shrink-swell (very limited)	1.00 1.00 1.00	Very limited ~wetness (very limited) ~flooding (moderately limited)	1.00 0.60

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Building Site Development

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Map symbol and soil name	Dwellings without basements		Dwellings with basements		Small commercial buildings		Local roads and streets		Lawns and landscaping	
	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ve: Verdigris-----	Very limited ~flooding (very limited) ~shrink-swell (moderately limited)	1.00 0.45	Very limited ~flooding (very limited) ~shrink-swell (moderately limited)	1.00 0.45	Very limited ~flooding (very limited) ~shrink-swell (moderately limited)	1.00 0.45	Very limited ~flooding (very limited) ~low strength (very limited) ~shrink-swell (moderately limited)	1.00 1.00 0.45	Moderately limited ~flooding (moderately limited)	0.60
W: Water-----	Not rated		Not rated		Not rated		Not rated		Not rated	