

## Building Site Development

### General

Soil properties influence development of building sites, including the selection of the site, the design of the structure, construction, performance after construction, 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, sewerlines, telephone and power transmission lines, basements, open ditches, and cemeteries. The excavations are most commonly made by trenching machines or backhoes. 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 undisturbed soil on which small commercial buildings of less than three stories without basements are built. The foundation is assumed to be 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, tees, roughs, and greens are not considered as part of the golf fairway. The properties considered are those that affect plant growth and trafficability after vegetation is established.

See the National Soil Survey Handbook, Part 620, for criteria used in rating specific uses.

**BUILDING SITE DEVELOPMENT****Somerset County, Southern part**

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<b>Soil name and map symbol</b>	<b>Shallow Excavations</b>	<b>Dwellings without Basememts</b>	<b>Dwellings with Basements</b>	<b>Small Commercial Buildings</b>	<b>Local Roads</b>	<b>Lawns and Landscaping</b>
<b>AaB</b> ADAMS	Severe: cutbanks cave	Slight:	Slight:	Moderate: slope	Slight:	Severe: droughty
<b>AaC</b> ADAMS	Severe: cutbanks cave	Moderate: slope	Moderate: slope	Severe: slope	Moderate: slope	Severe: droughty
<b>AaD</b> ADAMS	Severe: cutbanks cave, slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: droughty, slope
<b>BaB</b> BANGOR	Moderate: dense layer	Slight:	Slight:	Moderate: slope	Moderate: frost action	Moderate: large stones
<b>BaC2</b> BANGOR	Moderate: dense layer, slope	Moderate: slope	Moderate: slope	Severe: slope	Moderate: frost action, slope	Moderate: large stones, slope
<b>BgB</b> BANGOR	Moderate: dense layer	Slight:	Slight:	Moderate: slope	Moderate: frost action	Moderate: large stones, small stones
<b>BgC</b> BANGOR	Moderate: dense layer, slope	Moderate: slope	Moderate: slope	Severe: slope	Moderate: frost action, slope	Moderate: large stones, slope, small stones

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<b>BgD</b> BANGOR	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope
<b>BhB</b> BERKSHIRE	Slight:	Slight:	Slight:	Moderate: slope	Moderate: frost action	Moderate: large stones, small stones
<b>BhC</b> BERKSHIRE	Moderate: slope	Moderate: slope	Moderate: slope	Severe: slope	Moderate: frost action, slope	Moderate: large stones, slope, small stones
<b>BkB</b> BERKSHIRE	Slight:	Slight:	Slight:	Moderate: slope	Moderate: frost action	Moderate: large stones, small stones
<b>BkC</b> BERKSHIRE	Moderate: slope	Moderate: slope	Moderate: slope	Severe: slope	Moderate: frost action, slope	Moderate: large stones, small stones
<b>BkE</b> BERKSHIRE	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope
<b>Bo</b> BIDDEFORD	Severe: ponding	Severe: ponding	Severe: ponding	Severe: ponding	Severe: frost action, low strength, ponding	Severe: excess humus, ponding

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<b>BuB</b> BUXTON	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: frost action, low strength, wetness	Severe: wetness
<b>BuC2</b> BUXTON	Severe: wetness	Moderate: shrink-swell, slope, wetness	Severe: wetness	Severe: slope	Severe: frost action, low strength	Moderate: slope, wetness
<b>CnC</b> COLTON	Severe: cutbanks cave	Moderate: slope	Moderate: slope	Severe: slope	Moderate: slope	Severe: droughty, small stones
<b>CnD</b> COLTON	Severe: cutbanks cave, slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: droughty, slope, small stones
<b>CnE</b> COLTON	Severe: cutbanks cave, slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: droughty, slope, small stones
<b>DxB</b> DIXMONT	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: frost action	Moderate: wetness
<b>DxC</b> DIXMONT	Severe: wetness	Severe: wetness	Severe: wetness	Severe: slope, wetness	Severe: frost action	Moderate: slope, wetness

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<b>DyB</b> DIXMONT	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: frost action	Moderate: large stones, wetness
<b>DyC</b> DIXMONT	Severe: wetness	Severe: wetness	Severe: wetness	Severe: slope, wetness	Severe: frost action	Moderate: large stones, slope, wetness
<b>Dz</b> DUNE LAND	Severe: cutbanks cave, slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: droughty, slope
<b>Ha</b> HADLEY	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding, frost action	Moderate: flooding
<b>Lc</b> LEICESTER	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: frost action, wetness	Severe: wetness
<b>Lk</b> LIMERICK	Severe: cutbanks cave, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, frost action, wetness	Severe: wetness
<b>LyB</b> LYMAN	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock

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<b>LyC</b> LYMAN	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock
<b>LzC</b> LYMAN	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock
<b>LzE</b> LYMAN	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope
<b>MbB</b> MADAWASKA	Severe: cutbanks cave, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Moderate: frost action, wetness	Moderate: droughty, wetness
<b>MeB</b> MELROSE	Moderate: too clayey	Moderate: shrink-swell	Moderate: shrink-swell	Moderate: shrink-swell, slope	Severe: low strength	Slight:
<b>Mn</b> MIXED ALLUVIAL LAND	Severe: cutbanks cave, ponding	Severe: flooding, ponding	Severe: flooding, ponding	Severe: flooding, ponding	Severe: flooding, frost action, ponding	Severe: flooding, ponding
<b>Mo</b> MONARDA	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: frost action, wetness	Severe: wetness

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<b>Mr</b> MONARDA	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: frost action, wetness	Severe: wetness
<b>Pa</b> PEAT	Severe: excess humus, ponding	Severe: low strength, ponding	Severe: low strength, ponding	Severe: low strength, ponding	Severe: frost action, ponding	Severe: excess humus, ponding
<b>MUCK</b>	Severe: excess humus, ponding	Severe: low strength, ponding	Severe: low strength, ponding	Severe: low strength, ponding	Severe: frost action, ponding	Severe: excess humus, ponding
<b>PcB</b> PERU	Severe: wetness	Moderate: wetness	Severe: wetness	Moderate: slope, wetness	Severe: frost action	Moderate: wetness
<b>PdB</b> PERU	Severe: wetness	Moderate: wetness	Severe: wetness	Moderate: slope, wetness	Severe: frost action	Moderate: large stones, wetness
<b>PdC</b> PERU	Severe: wetness	Moderate: slope, wetness	Severe: wetness	Severe: slope	Severe: frost action	Severe: large stones, slope, wetness
<b>PgB</b> PLAISTED	Moderate: dense layer	Slight:	Moderate: wetness	Moderate: slope	Moderate: frost action	Slight:

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<b>PgC</b> PLAISTED	Moderate: dense layer, slope	Moderate: slope	Moderate: slope, wetness	Severe: slope	Moderate: frost action	Moderate: slope
<b>PrB</b> PLAISTED	Moderate: dense layer, wetness	Slight:	Moderate: wetness	Moderate: slope	Moderate: frost action	Moderate: large stones
<b>PrC</b> PLAISTED	Moderate: dense layer, slope, wetness	Moderate: slope	Moderate: slope, wetness	Severe: slope	Moderate: frost action, slope	Moderate: large stones, slope
<b>PrD</b> PLAISTED	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope
<b>RtC</b> ROCK LAND	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock
<b>THORNDIKE</b>	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock, small stones
<b>LYMAN</b>	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock

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<b>RtE</b> ROCK LAND	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock
<b>THORNDIKE</b>	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope, small stones
<b>LYMAN</b>	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope
<b>Sc</b> SCANTIC	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: frost action, low strength, wetness	Severe: wetness
<b>Sk</b> SKOWHEGAN	Severe: cutbanks cave, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Moderate: frost action, wetness	Moderate: droughty, wetness
<b>StB</b> STETSON	Severe: cutbanks cave	Slight:	Slight:	Moderate: slope	Slight:	Moderate: droughty
<b>SuC2</b> SUFFIELD	Severe: wetness	Moderate: shrink-swell, slope, wetness	Severe: wetness	Severe: slope	Severe: frost action, low strength	Moderate: slope, wetness

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<b>SuD2</b> SUFFIELD	Severe: slope, wetness	Severe: slope	Severe: slope, wetness	Severe: slope	Severe: frost action, low strength, slope	Severe: slope
<b>TkC</b> THORNDIKE	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock, small stones
<b>TkD</b> THORNDIKE	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope, small stones
<b>TpB</b> THORNDIKE	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, small stones
<b>PLAISTED</b>	Moderate: dense layer	Slight:	Moderate: wetness	Moderate: slope	Moderate: frost action	Slight:
<b>TpC</b> THORNDIKE	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock, small stones
<b>PLAISTED</b>	Moderate: dense layer, slope	Moderate: slope	Moderate: slope, wetness	Severe: slope	Moderate: frost action	Moderate: slope

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<b>TpD</b> THORNDIKE	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope, small stones
<b>PLAISTED</b>	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope
<b>TtB</b> THORNDIKE	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, small stones
<b>BANGOR</b>	Moderate: dense layer	Slight:	Slight:	Moderate: slope	Moderate: frost action	Moderate: large stones
<b>TtC</b> THORNDIKE	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock, small stones
<b>BANGOR</b>	Moderate: dense layer, slope	Moderate: slope	Moderate: slope	Severe: slope	Moderate: frost action, slope	Moderate: large stones, slope
<b>TtD</b> THORNDIKE	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope, small stones

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<b>TtD</b> BANGOR	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope
<b>Wa</b> WALPOLE	Severe: cutbanks cave, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: frost action, wetness	Severe: wetness
<b>Wn</b> WINOOSKI	Severe: cutbanks cave, wetness	Severe: flooding	Severe: flooding, wetness	Severe: flooding	Severe: flooding, frost action	Moderate: flooding, wetness