

## 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.

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**York County**

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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>AdB</b> ADAMS	Severe: cutbanks cave	Slight:	Slight:	Moderate: slope	Slight:	Severe: droughty
<b>AdC</b> ADAMS	Severe: cutbanks cave	Moderate: slope	Moderate: slope	Severe: slope	Moderate: slope	Severe: droughty
<b>AdD</b> ADAMS	Severe: cutbanks cave, slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: droughty, slope
<b>AgB</b> ADAMS	Severe: cutbanks cave	Slight:	Slight:	Moderate: slope	Slight:	Severe: droughty
URBAN LAND	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable
<b>AlB</b> ALLAGASH	Severe: cutbanks cave	Slight:	Slight:	Moderate: slope	Moderate: frost action	Moderate: droughty
<b>AlC</b> ALLAGASH	Severe: cutbanks cave	Moderate: slope	Moderate: slope	Severe: slope	Moderate: frost action, slope	Moderate: droughty, slope

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<b>Ba</b> BEACHES	Severe: cutbanks cave, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Severe: droughty, excess salt, wetness
<b>BcB</b> BECKET	Moderate: wetness	Slight:	Moderate: wetness	Moderate: slope	Moderate: frost action	Moderate: small stones
<b>BcC</b> BECKET	Moderate: slope, wetness	Moderate: slope	Moderate: slope, wetness	Severe: slope	Moderate: frost action, slope	Moderate: slope, small stones
<b>BcD</b> BECKET	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope
<b>BeB</b> BECKET	Moderate: wetness	Slight:	Moderate: wetness	Moderate: slope	Moderate: frost action	Moderate: large stones
<b>BeC</b> BECKET	Moderate:	Moderate: slope	Moderate: slope, wetness	Severe: slope	Moderate: frost action, slope	Moderate: large stones, slope
<b>BeD</b> BECKET	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope

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<b>Bm</b> BIDDEFORD	Severe: ponding	Severe: ponding	Severe: ponding	Severe: ponding	Severe: frost action, low strength, ponding	Severe: excess humus, ponding
<b>BrB</b> BRAYTON	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: frost action, wetness	Severe: wetness
<b>BsB</b> WESTBURY	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: droughty, wetness
<b>BsB</b> BRAYTON	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: frost action, wetness	Severe: wetness
<b>BsB</b> WESTBURY	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: frost action, wetness	Severe: droughty, wetness
<b>BuB</b> BUXTON	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: frost action, low strength, wetness	Severe: wetness
<b>BuC</b> BUXTON	Severe: wetness	Moderate: shrink-swell, slope, wetness	Severe: wetness	Severe: slope	Severe: frost action, low strength	Moderate: slope, wetness

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<b>BuD</b> BUXTON	Severe: slope, wetness	Severe: slope	Severe: slope, wetness	Severe: slope	Severe: frost action, low strength, slope	Severe: slope
<b>Ch</b> CHOCORUA	Severe: cutbanks cave, excess humus, ponding	Severe: low strength, ponding, shrink-swell	Severe: ponding	Severe: low strength, ponding, shrink-swell	Severe: frost action, low strength, ponding	Severe: excess humus, ponding
<b>CoB</b> COLTON	Severe: cutbanks cave	Slight:	Slight:	Moderate: slope	Slight:	Severe: droughty, small stones
<b>CoC</b> COLTON	Severe: cutbanks cave	Moderate: slope	Moderate: slope	Severe: slope	Moderate: slope	Severe: droughty, small stones
<b>CoD</b> COLTON	Severe: cutbanks cave, slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: droughty, slope, small stones
<b>CoE</b> COLTON	Severe: cutbanks cave, slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: droughty, slope, small stones
<b>CrB</b> CROGHAN	Severe: cutbanks cave, wetness	Moderate: wetness	Severe: wetness	Moderate: slope, wetness	Moderate: frost action, wetness	Severe: droughty

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<b>CuB</b> CROGHAN	Severe: cutbanks cave, wetness	Moderate: wetness	Severe: wetness	Moderate: slope, wetness	Moderate: frost action, wetness	Severe: droughty
URBAN LAND	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable
<b>Dm</b> DUMPS	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable
<b>EmB</b> ELMWOOD	Severe: wetness	Moderate: shrink-swell, wetness	Severe: wetness	Moderate: shrink-swell, slope, wetness	Severe: frost action, low strength	Moderate: wetness
<b>EmC</b> ELMWOOD	Severe: wetness	Moderate: shrink-swell, slope, wetness	Severe: wetness	Severe: slope	Severe: frost action, low strength	Moderate: slope, wetness
<b>HeB</b> HERMON	Severe: cutbanks cave	Moderate: large stones	Moderate: large stones	Moderate: large stones, slope	Moderate: large stones	Severe: droughty
<b>HeC</b> HERMON	Severe: cutbanks cave	Moderate: large stones, slope	Moderate: large stones, slope	Severe: slope	Moderate: large stones, slope	Severe: droughty

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<b>HeD</b> HERMON	Severe: cutbanks cave, slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: droughty, slope
<b>HmB</b> HERMON	Severe: cutbanks cave	Moderate: large stones	Moderate: large stones	Moderate: large stones, slope	Moderate: large stones	Severe: droughty
<b>HmC</b> HERMON	Severe: cutbanks cave	Moderate: large stones, slope	Moderate: large stones, slope	Severe: slope	Moderate: large stones, slope	Severe: droughty
<b>HmD</b> HERMON	Severe: cutbanks cave, slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: droughty, slope
<b>HnC</b> HERMON	Severe: cutbanks cave	Moderate: large stones, slope	Moderate: large stones, slope	Severe: slope	Moderate: large stones, slope	Severe: droughty, large stones
<b>HnE</b> HERMON	Severe: cutbanks cave, slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: droughty, large stones, slope
<b>LnB</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>LnC</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>LnD</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>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
ROCK OUTCROP	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>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
ROCK OUTCROP	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>LyE</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

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<b>LyE</b> ROCK OUTCROP	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>MaB</b> MADAWASKA	Severe: cutbanks cave, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Moderate: frost action, wetness	Moderate: droughty, wetness
<b>MrB</b> MARLOW	Moderate: dense layer	Slight:	Moderate: wetness	Moderate: slope	Moderate: frost action	Slight:
<b>MrC2</b> MARLOW	Moderate: dense layer, slope	Moderate: slope	Moderate: slope, wetness	Severe: slope	Moderate: frost action	Moderate: slope
<b>MrD2</b> MARLOW	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope
<b>MvB</b> MARLOW	Moderate: dense layer, wetness	Slight:	Moderate: wetness	Moderate: slope	Moderate: frost action	Moderate: large stones
<b>MvC</b> MARLOW	Moderate: dense layer, slope, wetness	Moderate: slope	Moderate: slope, wetness	Severe: slope	Moderate: frost action, slope	Moderate: large stones, slope

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<b>MvD</b> MARLOW	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: slope
<b>Na</b> NAUMBURG	Severe: cutbanks cave, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness
<b>On</b> ONDAWA	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding	Severe: flooding	Moderate: flooding
<b>PeB</b> PERU	Severe: wetness	Moderate: wetness	Severe: wetness	Moderate: slope, wetness	Severe: frost action	Moderate: wetness
<b>Pg</b> PITS	Severe: cutbanks cave	Slight:	Slight:	Slight:	Slight:	Severe: droughty, small stones
<b>Po</b> PODUNK	Severe: cutbanks cave, wetness	Severe: flooding	Severe: flooding, wetness	Severe: flooding	Severe: flooding, frost action	Moderate: flooding, wetness
<b>WINOOSKI</b>	Severe: cutbanks cave, wetness	Severe: flooding	Severe: flooding, wetness	Severe: flooding	Severe: flooding, frost action	Moderate: flooding, wetness

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<b>Ra</b> RAYNHAM	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: frost action, wetness	Severe: wetness
<b>RoC</b> ROCK OUTCROP	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>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
<b>RoE</b> ROCK OUTCROP	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>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>Ru</b> RUMNEY	Severe: cutbanks cave, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, frost action, wetness	Severe: flooding, wetness
<b>Sa</b> SACO	Severe: cutbanks cave, ponding	Severe: flooding, ponding	Severe: flooding, ponding	Severe: flooding, ponding	Severe: flooding, frost action, ponding	Severe: flooding, ponding

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<b>Sc</b> SCANTIC	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: frost action, low strength, wetness	Severe: wetness
<b>SeB</b> SCIO	Severe: wetness	Severe: frost action	Severe: wetness	Severe: frost action	Severe: frost action	Slight:
<b>SeC</b> SCIO	Severe: wetness	Severe: frost action	Severe: wetness	Severe: frost action, slope	Severe: frost action	Moderate: slope
<b>SeD</b> SCIO	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Severe: frost action, slope	Severe: slope
<b>Sg</b> SEBAGO	Severe: excess humus, ponding	Severe: flooding, low strength, ponding	Severe: flooding, low strength, ponding	Severe: flooding, low strength, ponding	Severe: frost action, ponding	Severe: excess humus, ponding
<b>SkB</b> SKERRY	Severe: wetness	Moderate: wetness	Severe: wetness	Moderate: slope, wetness	Severe: frost action	Moderate: small stones, wetness
<b>SkC</b> SKERRY	Severe: wetness	Moderate: slope, wetness	Severe: wetness	Severe: slope	Severe: frost action	Moderate: slope, small stones, wetness

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<b>SrB</b> SKERRY	Severe: wetness	Moderate: wetness	Severe: wetness	Moderate: slope, wetness	Severe: frost action	Moderate: large stones, wetness
<b>SrC</b> SKERRY	Severe: wetness	Moderate: slope, wetness	Severe: wetness	Severe: slope	Severe: frost action	Moderate: large stones, slope, wetness
<b>Su</b> SULFIHEMISTS	Severe: excess humus, ponding	Severe: flooding, low strength, ponding	Severe: flooding, low strength, ponding	Severe: flooding, low strength, ponding	Severe: flooding, low strength, ponding	Severe: excess salt, excess sulfur, ponding
<b>Ud</b> UDIPSAMMENTS	Severe: cutbanks cave	Severe: flooding	Severe: flooding	Severe: flooding, slope	Moderate: flooding, slope	Severe: droughty
<b>Ud</b> DUNE LAND	Severe: cutbanks cave	Slight:	Slight:	Moderate: slope	Slight:	Severe: droughty
<b>Ur</b> URBAN LAND	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable
<b>UsA</b> URBAN LAND	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable

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<b>UsA</b> SCANTIC	Severe: wetness	Severe: wetness	Severe: wetness	Severe: wetness	Severe: frost action, low strength, wetness	Severe: wetness
<b>Va</b> VASSALBORO	Severe: excess humus, wetness	Severe: flooding, low strength, wetness	Severe: flooding, low strength, wetness	Severe: flooding, low strength, wetness	Severe: frost action, wetness	Severe: excess humus, wetness
<b>Vp</b> VASSALBORO	Severe: excess humus, ponding	Severe: flooding, low strength, ponding	Severe: flooding, low strength, ponding	Severe: flooding, low strength, ponding	Severe: frost action, ponding	Severe: excess humus, ponding
<b>Wa</b> WASKISH	Severe: excess humus, wetness	Severe: low strength, wetness	Severe: low strength, wetness	Severe: low strength, wetness	Severe: frost action, wetness	Severe: excess humus, too acid, wetness