

## Construction Material

### General

Soils are rated as sources for roadfill, topsoil, sand, and gravel. Suitability ratings of good, fair, or poor are given for soils used as a source of roadfill and topsoil. Ratings of probable and improbable are given for sand and gravel. A rating of probable means that on the basis of the available evidence, the source material is likely to be in or below the soil. A rating of improbable means that the source material is unlikely to be in or below the soil. The ratings for sand and gravel do not consider the quality of the source material because quality depends on how the source material is to be used.

### Roadfill

Roadfill consists of soil material that is excavated from its original position and used in road embankments elsewhere. The evaluations for roadfill are for low embankments that generally are less than 6 feet in height and are less exacting in design than high embankments such as those along superhighways. The rating is given for the whole soil, from the surface to a depth of about 5 feet, based on the assumption that soil horizons will be mixed in loading, dumping, and spreading. Soils are rated as to the amount of material available for excavation, the ease of excavation, and how well the material performs after it is in place.

### Sand

Sand as a construction material is usually defined as particles ranging in size from 0.074 mm (sieve #200) to 4.75 mm (sieve #4) in diameter. Sand is used in great quantities in many kinds of construction. Specifications for each purpose vary widely. The intent of this rating is to show only the probability of finding material in suitable quantity. The suitability of the sand for specific purposes is not evaluated. If the lowest layer of the soil contains sand, the soil is rated as a probable source regardless of thickness. The assumption is that the sand layer below the depth of observation exceeds the minimum thickness.

### Gravel

Gravel as a construction material is defined as particles ranging in size from 4.76 mm (sieve #4) to 76 mm (3 inches) in diameter. Gravel is used in great quantities in many kinds of construction. Specifications for each purpose vary widely. The intent of this rating is to show only the probability of finding material in suitable quantity. The suitability of the gravel for specific purposes is not evaluated. If the lowest layer of the soil contains gravel, the soil is rated as a probable source regardless of thickness. The assumption is that the gravel layer below the depth of observation exceeds the minimum thickness.

### Topsoil

The term "topsoil" has several meanings. As used here, the term describes soil material used to cover an area so as to improve soil conditions for establishment and maintenance of adapted vegetation. Generally, the upper part of the soil, which is richest in organic matter, is most desirable; however, material excavated from deeper layers is also used. In this rating, the upper 40 inches of soil material is evaluated for use as topsoil. In the borrow area, the material below 40 inches is evaluated for its suitability for plant growth after the upper 40 inches is removed. The soil properties that are used to rate the soil as topsoil are those that affect plant growth, the ease of excavation, loading, and spreading, and those that affect the reclamation of the borrow area.

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

**CONSTRUCTION MATERIALS**

**Somerset County, Southern Part**

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<b>Soil name and map symbol</b>	<b>Roadfill</b>	<b>Sand</b>	<b>Gravel</b>	<b>Topsoil</b>
<b>AaB</b> ADAMS	Good.	Probable.	Improbable: too sandy.	Poor: too sandy.
<b>AaC</b> ADAMS	Good.	Probable.	Improbable: too sandy.	Poor: too sandy.
<b>AaD</b> ADAMS	Fair: slope.	Probable.	Improbable: too sandy.	Poor: slope, too sandy.
<b>BaB</b> BANGOR	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>BaC2</b> BANGOR	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>BgB</b> BANGOR	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>BgC</b> BANGOR	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>BgD</b> BANGOR	Fair: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
<b>BhB</b> BERKSHIRE	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.

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<b>BhC</b> BERKSHIRE	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones.
<b>BkB</b> BERKSHIRE	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>BkC</b> BERKSHIRE	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>BkE</b> BERKSHIRE	Poor: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
<b>Bo</b> BIDDEFORD	Poor: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, wetness.
<b>BuB</b> BUXTON	Poor: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, wetness.
<b>BuC2</b> BUXTON	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey.
<b>CnC</b> COLTON	Good.	Probable.	Probable.	Poor: small stones, too sandy.
<b>CnD</b> COLTON	Fair: slope.	Probable.	Probable.	Poor: slope, small stones, too sandy.

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<b>CnE</b> COLTON	Poor: slope.	Probable.	Probable.	Poor: slope, small stones, too sandy.
<b>DxB</b> DIXMONT	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>DxC</b> DIXMONT	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>DyB</b> DIXMONT	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>DyC</b> DIXMONT	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>Dz</b> DUNE LAND	Fair: slope.	Probable.	Improbable: too sandy.	Poor: slope, too sandy.
<b>Ha</b> HADLEY	Good.	Improbable: excess fines.	Improbable: excess fines.	Fair: too sandy.
<b>Lc</b> LEICESTER	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones, wetness.
<b>Lk</b> LIMERICK	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: wetness.

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<b>LyB</b> LYMAN	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, depth to rock, small
<b>LyC</b> LYMAN	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, depth to rock, small
<b>LzC</b> LYMAN	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, small stones.
<b>LzE</b> LYMAN	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, slope, small stones.
<b>MbB</b> MADAWASKA	Fair: wetness.	Probable.	Improbable: too sandy.	Fair: small stones, thin layer.
<b>MeB</b> MELROSE	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey.
<b>Mn</b> MIXED ALLUVIAL LAND	Poor: wetness.	Probable.	Probable.	Poor: area reclaim, wetness.
<b>Mo</b> MONARDA	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,
<b>Mr</b> MONARDA	Poor: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: area reclaim, small stones,

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<b>Pa</b> PEAT	Poor: wetness.	Improbable: excess humus.	Improbable: excess humus.	Poor: excess humus, wetness.
MUCK	Poor: wetness.	Improbable: excess humus.	Improbable: excess humus.	Poor: excess humus, wetness.
<b>PcB</b> PERU	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>PdB</b> PERU	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>PdC</b> PERU	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>PgB</b> PLAISTED	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>PgC</b> PLAISTED	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>PrB</b> PLAISTED	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>PrC</b> PLAISTED	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.

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<b>PrD</b> PLAISTED	Fair: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
<b>RtC</b> ROCK LAND	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock.
THORNDIKE	Poor: depth to rock.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, small stones.
LYMAN	Poor: depth to rock.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, small stones.
<b>RtE</b> ROCK LAND	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, slope.
THORNDIKE	Poor: depth to rock, slope.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, slope, small stones.
LYMAN	Poor: depth to rock, slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: depth to rock, slope, small stones.
<b>Sc</b> SCANTIC	Poor: low strength, wetness.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey, wetness.
<b>Sk</b> SKOWHEGAN	Fair: wetness.	Probable.	Improbable: too sandy.	Poor: too sandy.

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<b>StB</b> STETSON	Good.	Probable.	Probable.	Poor: area reclaim, small stones.
<b>SuC2</b> SUFFIELD	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: too clayey.
<b>SuD2</b> SUFFIELD	Poor: low strength.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, too clayey.
<b>TkC</b> THORNDIKE	Poor: depth to rock.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, small stones.
<b>TkD</b> THORNDIKE	Poor: depth to rock.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, slope, small stones.
<b>TpB</b> THORNDIKE	Poor: depth to rock.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, small stones.
PLAISTED	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>TpC</b> THORNDIKE	Poor: depth to rock.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, small stones.
PLAISTED	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.

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<b>TpD</b> THORNDIKE	Poor: depth to rock.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, slope, small stones.
PLAISTED	Fair: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
<b>TtB</b> THORNDIKE	Poor: depth to rock.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, small stones.
BANGOR	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>TtC</b> THORNDIKE	Poor: depth to rock.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, small stones.
BANGOR	Good.	Improbable: excess fines.	Improbable: excess fines.	Poor: small stones.
<b>TtD</b> THORNDIKE	Poor: depth to rock.	Improbable: thin layer.	Improbable: thin layer.	Poor: depth to rock, slope, small stones.
BANGOR	Fair: slope.	Improbable: excess fines.	Improbable: excess fines.	Poor: slope, small stones.
<b>Wa</b> WALPOLE	Poor: wetness.	Probable.	Probable.	Poor: too sandy, wetness.

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<b>Wn</b> WINOOSKI	Fair: wetness.	Improbable: excess fines.	Improbable: excess fines.	Fair: too sandy.