

## Description

## Suitable Applications

## Approach

Topsoil from the construction site should be preserved and used to enhance the final site stabilization with vegetative cover. This management practice is to be done in support of temporary or permanent seeding, in conjunction with erosion source control practices such as silt fences and mulching.

This technique is applicable to all types of areas where earth-disturbing activities expose subsoil layers that are poorly suited to supporting vegetation growth. Topsoil is generally not placed on areas that are steeper than $3: 1$ or which are not adequately graded and compacted.

Preservation and reuse of native topsoil helps to improve the success rate of new vegetation. Importing topsoil may be necessary for some areas which do not have fertile soil layers.

Typically, a minimum of 4 inches of stabilized topsoil is needed to support grass vegetation. Trees, shrubs and vines will require a good layer of topsoil in addition to the proper subsurface soils. If the site is excavated down to rock such as sandstone or shale, then 6 to 12 inches of topsoil is recommended for good plant growth.

## Stripping Topsoil

- Vegetative material that is cleared and grubbed during construction can be economically reused as compost or mulch onsite if handled correctly. Inspect to be sure that nuisance vegetation and weeds are not composted. Stockpile and water as necessary.
- Prior to stripping away topsoil, make certain that all downslope sediment control practices are in place and operational.
- Strip topsoil (typically 4 to 6 inches) only from those areas that will be disturbed by excavation, filling, road building, or compaction from equipment. Locate topsoil stockpiles where they will not erode, block drainage structures, or interfere with work on the site. Contain sediment using measures such as silt fences, straw bales, temporary seeding, erosion control mats, etc.


