





Topsoiling

PROJECT NO.

SHEET

STANDARD PLAN NO. 903-01 FEBRUARY 25, 2008 10 OF 11

STORM WATER POLLUTION PREVENTION PLAN BEST MANAGEMENT PRACTICES

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	ENGINEERING DIVISION				
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DESCRIPTION REVISIONS		DESIGNED	DRAWN	CHECKED	APPROVED
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the tank to reduce suspended sediment volume. The filter opening in the TST should have an EOS (see silt fence BMP) of 70 or smaller.

LIMITATIONS

This is a specialized technique for the situations listed. It is not cost effective for normal sediment removal conditions.

The use of a temporary sediment tank is limited by the capacity of the tank, the time required for settlement of suspended material, and disposal of the water and the sediment.

MAINTENANCE REQUIREMENTS

The temporary sediment tank should be inspected periodically during and after use. A tank should be cleaned out when it becomes 1/3 full of sediment.

Public Works

Permanent Structural Controls

foundation and washout of sediment at the edges of the structure. Where applicable, proper

Stream bank erosion protection such as rip rap provides limited protection unless used extensively due

Most stone or concrete structures require little maintenance, but may be subject to vandalism. As

mentioned above, erosion around the structure may undermine the integrity of the structure. When

anchoring in the form of embedment or 'toe in' of the structure is required,

to the potential for erosion at the edges of the rip rap.

maintenance is required, it is typically very extensive and costly.

MAINTENANCE REQUIREMENTS

The initial cost is an important consideration in selection of permanent structural controls.

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BMP

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Organic matter content should not be less than 0.75 percent by weight; pH range should be from 5.0 - 7.5. Stripping and Stockpiling Stripping should be confined to the immediate construction area. A 4-6 inch stripping depth is common, but may vary depending on the particular soil. Topsoil should be stockpiled so that natural drainage is not

debris, objectionable weeds

and stones, and contain no toxic substances that may be harmful to plant growth.

obstructed and off-site sediment damage does not occur. stockpile sideslopes should not exceed 2:1. A perimeter dike with a outlet or straw bale barriers should surround the stockpiles. Temporary seeding should be completed within 15 days of stockpile formation.

Site Preparation When topsoiling, maintain needed erosion control practices such as diversion dikes, sediment basins, waterways, etc.

Grading - Grades on the areas to be topsoiled, which have been previously established, should be maintained.

Where the pH of the subsoil is .0 or less or the soil is composed of heavy clays, agricultural lime be spread in accordance with the soil test on the vegetative establishment practice being

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