

## Chapter 3 - OVERVIEW OF EROSION, SEDIMENT, AND STORMWATER CONTROL PRACTICES (BMPs)

### LINED WATERWAY OR OUTLET

Where flow velocities exceed allowable limits for grassed waterways, more durable liners such as riprap or paving should be used.

Riprap liners are considered flexible and are usually preferred to rigid liners. Riprap is less costly, adjusts to unstable foundation conditions, is less expensive to repair, and reduces outlet flow velocity.

Paved channels are preferred where space is limited, slopes are very steep, or the channel setting warrants the use of special paving materials. Care must be exercised to see that foundation conditions are stable and high exit velocities can be controlled to protect the receiving stream.

Riprap or paved channels can be constructed with grass-lined side slopes where site conditions warrant.

Riprap will be installed over the proper filter (geotextile) or bedding unless the soil investigation indicates otherwise.



**Lined waterway or outlets** are necessary where flow velocities are too high for vegetation.