Streambank Protection

I. Types of Protection Material

1. Rock riprap
2. Walls
   a) concrete
   b) sheet piling
   c) timber
3. Gabion baskets
4. Natural material
5. Inter-locking block
6. Poured concrete

II. When and Where needed

1. Bridges
2. Natural streambank erosion
3. Manmade structures
   a) Outfalls
   b) Drainage ways

III. Basic

1. Backfill washed out area
2. Filter fabric
3. Protection Material

IV. Problems

1. Many sites difficult to control
2. Magnitude of project
3. Expense

V. Permit Requirements

1. Plans and specifications
2. Fee
3. Notification of affected property owners
4. Verified application.
A project cannot be approved under the 1945 Flood Control Act if flood stages are raised above the base condition on adjacent property unless a flood easement is obtained.

A flood easement is a prepared document and recorded in the County Recorder's Office. It states an easement is granted to increase flood elevations to a certain height of adjacent property. The easement must go with the property.