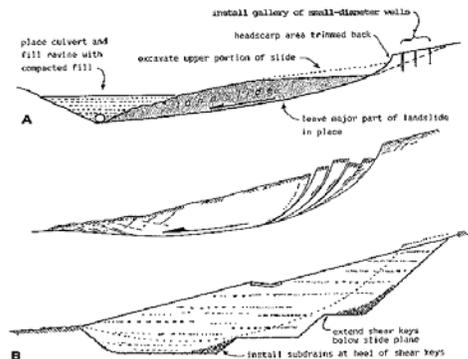


# Mass Wasting Mitigation

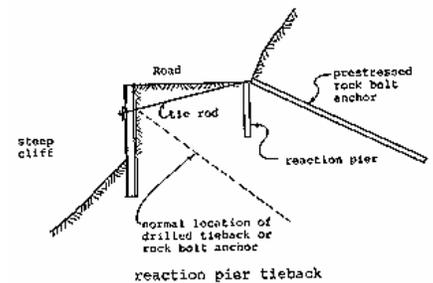
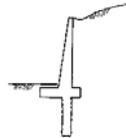
## 1. Debris Flows (mud flows)

- a. Revegetation after fires (grasses – may slow natural recovery)
- b. Flood control
  - i. Debris basins
  - ii. Diversion channels
  - iii. Plastic sheeting (small areas)



## 2. Slides & Slumps

- a. Dewatering (subdrainage)
- b. Pins, columns, anchors
- c. Trim head & buttressing toe
- d. Remove & compact whole slide mass
- e. Retaining walls



## 3. Rock Falls

- a. Barriers - walls and fences (I-5 to 110)
- b. Chain-link covers
- c. Shot-crete

## 4. Engineering (building codes, grading)

- a. Mapping and zoning
- b. Limits on buildable slopes (varies by jurisdiction, ~25%)
- c. Proper design
- d. 90% compaction of fill
- e. Monitoring