



2 ft (min)
2:1 or flatter
Stabilization

OBJECTIVES

- 9 Housekeeping Practices
- 9 Contain Waste
- 9 Minimize Disturbed Areas
- 9 Stabilize Disturbed Areas
- : Protect Slopes/Channels
- : Control Site Perimeter
- : Control Internal Erosion

DESCRIPTION:

Temporary drains and swales are used to divert off-site runoff around the construction site, divert runoff from stabilized areas around disturbed areas, and direct runoff into sediment.

APPLICATIONS:

- < Temporary drains and swales are appropriate for diverting any upslope runoff around unstabilized or disturbed areas of the construction site.
- < Prevent slope failures. Prevent damage to adjacent property. Prevents erosion and transport of sediments into water ways. Increases the potential for infiltration. Diverts sediment-laden runoff into sediment basins or traps.

INSTALLATION/APPLICATION:

- < Temporary drainage swales will effectively convey runoff and avoid erosion if built properly:
- < Size temporary drainage swales using local drainage design criteria. A permanent drainage channel must be designed by a professional engineer (see the local drainage design criteria for proper design).
- < At a minimum, the drain/swale should conform to predevelopment drainage patterns and capacities.
- < Construct the drain/swale with an uninterrupted, positive grade to a stabilized outlet. Provide erosion protection or energy dissipation measures if the flow out of the drain or swale can reach an erosive velocity.

LIMITATIONS:

- < Temporary drains and swales or any other diversion of runoff should not adversely impact upstream or downstream properties.
- < Temporary drains and swales must conform to local floodplain management requirements.

MAINTENANCE:

- < Inspect weekly and after each rain.
- < Repair any erosion immediately.
- < Remove sediment which builds up in the swale and restricts its flow capacity.



TARGETED POLLUTANTS

- ▬ Sediment
- 9 Nutrients
- 9 Toxic Materials
- 9 Oil & Grease
- 9 Floatable Materials

▬ High Impact
: Medium Impact
9 Low or Unknown Impact

9 Other Waste

IMPLEMENTATION REQUIREMENTS

- : Capital Costs
- 9 O&M Costs
- 9 Maintenance

▬ High	: Medium	9 Low
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9 Training