

EW-402 Temporary Stream Diversion

(This section last updated 11-16-16)

Temporary Stream Diversions are used only in areas where flows are low enough and/or the watershed is small enough to allow normal base flows to be handled practically in a small diversion channel or a pipe or hose.

The most common application for temporary stream diversions is projects involving installation or extension of:

- Reinforced or precast concrete box culverts:
 - When both the height and width are 6 feet or larger, or
 - Multiple box culverts with a total end area of 36 square feet or more.
- Pipe culverts:
 - 7 foot diameter circular pipe culvert,
 - Low clearance pipe with equivalent diameter of 7 feet.
 - Multiple pipe culverts with an equal end area of 38 square feet or more.

For these situations, EW-402 should be included whether the stream is perennial or not.

Designers do not need to specify which type of temporary stream diversion (Diversion Channel or Pipe or Hose) to use. The contractor makes this choice.

Designers typically won't know the size of the work area, so to bid silt fence to contain material from pipe or hose excavation, add 150 feet to each end of the culvert and bid the culvert length (including aprons) plus 300 feet, see Figure 1 below. Include this with the other silt fence quantities.

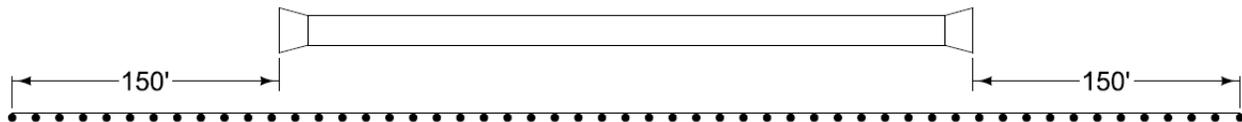


Figure 1: Bidding silt fence to contain material from pipe or hose excavation.