

570-04 Silt Fence Installation for Shallow or No Ditch

(This section last updated 08-17-16)

This detail was developed to address two situations: ditches shallower than 19 inches, and no ditch situations.

Shallow Ditches

This is based on the height of the silt fence being 19 inches. If a ditch is less than 19 inches deep, stormwater could pond deep enough to flow around a silt fence ditch check. Detail 570-04 has been developed to include a run of longitudinal silt fence running parallel to the ditch to capture stormwater. For ditches deeper than 19 inches, Standard Road Plan [EC-201](#) is used.

No Ditch

This detail is also used for no ditch situations. A run of longitudinal silt fence runs approximately parallel to the toe of the foreslope to capture stormwater.

For both shallow ditch and no ditch situations, if the ditch grade (shallow ditch situations) or grade along the toe of foreslope (no ditch situations) is less than 0.5%, place a run of silt fence 5 feet parallel to the shallow or no ditch installation to capture stormwater that could run around the end of the installation. An additional run of silt fence is always placed at the right-of-way line.

Note 3 provides an equation to use to calculate the end span on the foreslope. The idea is to run the silt fence up the foreslope to the point where the top of the silt fence in the ditch is below the bottom of the silt fence on the foreslope. To be conservative (and to simplify calculations), the silt fence is assumed to be 2 feet tall, thus the end span is simply $2 \times \text{foreslope}$. For a 6:1 foreslope, the minimum end span is $2 \times 6 = 12$ feet.