



The Drainage trench and swale is created between two slopes to redirect ground surface and subsurface water flows and thereby reduces moisture at the immediate soils around the foundation.

The drainage trench should ideally be about 3 to 4 feet deep. Perforations at the 4 inch pipe should face down in the 4 and 8 o'clock positions. Many people make the mistake of facing them upwards. The gravel should be two-thirds of the way toward the top of the trench.

Don't forget the landscape fabric between the sand and gravel layers. Fabric socks are available to cover the perforated pipe and prevent blockage from roots or soil.

Do not use a finish cover of Earth with high clay content. If Sandy are soils are not available, mix clayey soil with sand to a well-drained mixture.