

CASE HISTORY : ROAD SIDE DRAINAGE – WITH DRENTER- MANOPPELLO (CHIETI)-ITALY 2015

1 - Description of the land defense intervention



The DRENTER® system has been requested for the construction of a low drainage system depth in the trench, in order to remove as much water as possible that would have infiltrated below the roadway, creating instability.

2 - Executive phases

The installation work of the DRENTER®1.000 system took place in the following phases:

- 1) excavation and construction of a trench using a mechanical excavator;
- 2) junction of the sheath to the draining modules;
- 3) filling the excavation with the previously excavated material;

The individual construction phases followed for the realization are described in detail below work.

2.1 - Excavation and construction of the trench

The first phase of work was the realization of the excavation excavation by excavator mechanical equipped with universal digging bucket (Figure 2). Particular attention has been paid to control of the regularization of the excavation bottom to give the right slope to the trench.



Figure 2 - excavation carried out with a mechanical excavator for the installation of the DRENTER system

2.2 – Arrangement of the liner under the panels and union of draining modules



Figure 3-Laying the liner and draining panels along the trench for the drainage, note the liner positioned at L



Fig.4-DRENTER modules mounted along the trench of the first drain

2.3 – Laying in the trench and filling the excavation



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