

Evolution of the Stability Work from Classic Retaining Walls to Mechanically Stabilized Earth Walls

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Abstract text:

For the consolidation of soil mass and the construction of the stability works for roads infrastructure it was studied the evolution of these kinds of works from classical retaining walls - common concrete retaining walls, to the utilization in our days of the modern and competitive methods - mechanically stabilized earth walls. Like type of execution the variety of the reinforced soil is given by the utilization of different types of reinforcing inclusions (steel strips, geosynthetics, geogrids) or facing (precast concrete panels, dry cast modular blocks, metal sheets and plates, gabions, and wrapped sheets of geosynthetics).

Key Words:

Retaining Wall; Mechanically Stabilized Earth Walls; Reinforced Earth Wall.

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