

STATEWIDE CRITICAL REQUIREMENT LIST – FISCAL YEAR 2013/2014

Quality Assessment Category Number 11 Mechanically Stabilized Earth (MSE) Walls

1. Is the CEI staff enforcing the requirement that the fill is placed and compacted in accordance with plans and specifications? Does the density record system verify this? Does a field visit verify this? [Spec. 548-8]
2. Is the CEI staff enforcing the requirement that the batter of the MSE wall panels and the overall MSE wall batter be measured often and at regular intervals because the vertical alignment of the panels being installed may be affected by the compaction of the soil behind the panels being installed? Are exceptions reported in the Daily Report of Construction? Does a field visit verify this? [Spec. 548-8]
3. Is CEI staff enforcing requirement to use a structural extension to the connection of the wall panel wherever necessary to avoid cutting soil reinforcement straps or skewing them by more than 15 degrees from normal? Is CEI staff enforcing requirement to have shop drawings approved by the Engineer, which detail any cutting of the soil reinforcement grids before allowing such cutting? Is CEI staff enforcing requirement to have shop drawings approved by the Engineer which detail construction of the wall around obstructions including details addressing conflicts between the soil reinforcement and any obstructions within the wall volume? Is the Wall Design Engineer contacted immediately over any of the items described above which are missing from the shop drawings. Are exceptions reported in the Daily Report of Construction? Does a field visit verify this? [Indexes 6020-6130]
4. At the end of each day's operation, the contractor shall shape the last level of backfill to permit runoff of rainwater away from the wall face or provide a positive means of controlling run off away from the wall such as temporary pipe, etc. [Spec. 548-6.5]