

STATEWIDE CRITICAL REQUIREMENT LIST - FISCAL YEAR 2019/2020

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

1. Has the CEI ensured that the signed and sealed certification report for select backfill has been submitted and approved prior to placement? [Spec. 548-2].
2. Has the CEI ensured that MSE walls supporting bridge abutments on spread footings and MSE walls in which coarse aggregate reinforced backfill is used, geotextile fabric type D-2 is used in accordance with the specifications? [Spec. 548-2].
3. Is the CEI staff enforcing the requirement that the fill is placed and compacted in accordance with plans and specifications? Does the Earthwork Records System (ERS) verify this? Does a field visit verify this? [Spec. 548-8]
4. Is the CEI staff verifying the vertical and horizontal alignment of the wall at regular intervals to ensure tolerance compliance [Spec. 548-8]? Are exceptions reported in the Daily Report of Construction? Does a field visit verify this?
5. Does the CEI staff ensure that at the end of each day's operation, the contractor 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]
6. Has the CEI staff ensured that the thick lift option for MSE Wall select backfill has gone through the Engineer's approval process and the approval is based on successful test wall results? Is the CEI staff ensuring that the lifts are no more than 10 inches compacted if the thick lift is approved, otherwise no more than 6-inch lifts? [Spec 548-8.8]