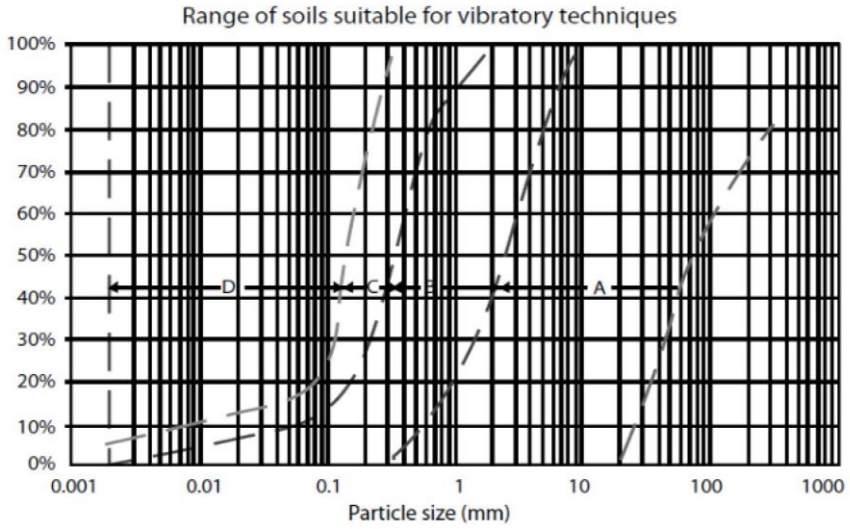
4.1 technologies for enhancing soil liquefaction are classified/ categorized to: Intensification, drainage, soil reinforcement, mixing, replacement, compaction, Vipro soil replacement (stone columns), deep dynamic compaction or any other technology approved by codes and standards.



Zone A:	The soils of this zone are very well compactable. The right borderline indicates an empirically found limit where the amount of cobbles and boulders prevents compaction because the Viboprobe connot reach the compaction depth
Zone B:	The soils in this zone are suited for Vibro Compaction. They have a fines content of less than 10%
Zone C:	Compaction is only possible by adding suitable backfill (Material from zones A or b) from the surface (Stone or sand columns)
Zone D:	Stone columns are a solution for a foundation in these soils. There is a resulting increase in bearing capacity and reduction on total and differential settlement

E) Piles

1. Design requirements

Compliance with all the requirements mentioned in the table below

Crack width due to tension	Cracks due to upward ground water pressure= 0.1mm Cracks due to secondary forces (wind, seismic) = 0.2 mm