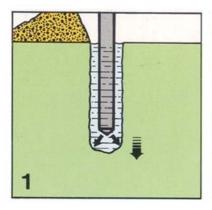
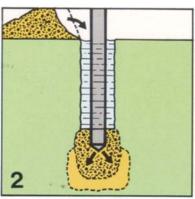
DESIGN GUIDELINE OF VIBRO COMPACTION (VBC)

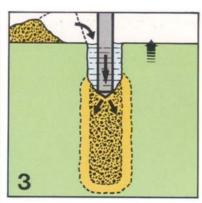
FOR PRACTICING ENGINEERS

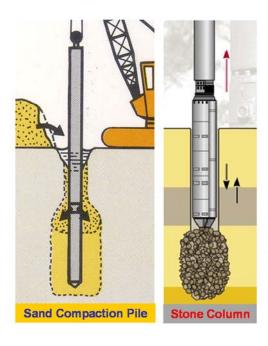


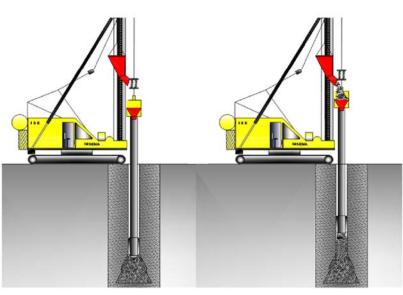












Dr. GOUW TJIE-LIONG, ChFC 2021

DESIGN GUIDELINE OF VIBRO COMPACTION (VBC)

FOR PRACTICING ENGINEERS

1.	Introduction	VBC-2
	Various ground improvement techniques	
	What is vibro-compaction	
2.	Objective and Mechanism	VBC-4
3.	Execution	VBC-7
	 Insertion of probes 	
	 Dry and wet process 	
	 Dry process: vibro – displacement 	
	• Wet process: vibro – displacement, vibrofloatation, stone colur	mn, vibrocat
4.	Suitability of Ground	VBC-19
5.	Design Guidelines of Vibro-Compaction	VBC-21
6.	Design Guidelines of Stone Column	VBC-26
7.	Stone Column Calculation Example	VBC-36
8.	Vibration Issue	VBC-50
9.	References	VBC-52