

# RECLAMATION WORK FOR A RESIDENTIAL DEVELOPMENT

## JOHOR BAHRU, MALAYSIA



### Key achievements

- Keller completed the work in less than three months
- Overcame the challenges thru proper planning, especially the mobilization of machineries

### • The project

On a reclaimed area at Tanjung Puteri, Johor Bahru, Malaysia a luxury residential building is to be constructed. The residential building consists of 23 blocks of 4,000 no. of units. Keller delivered a ground improvement solution to improve the soil in the area where the residential building is to be built.

### • The challenge

The main challenge was no land access, all the machinery and materials need to be transported using marine barges. Proper planning of the transportation of materials and machinery was required.

### • The solution

Working near a busy highway and existing structures, Keller installed more than 17,300 lin m of Vibro stone columns using wet method to improve the soil and to enhance the stability of the reclaimed slope embankment. The work involved installation of 1 m diameter stone columns to depths down to 13 m.

### Application

Ground improvement

### Technique

Vibro replacement

### Market

Multi-Family residential

### Client

R&F Development Sdn. Bhd.

### Main contractor

JBB Builders (M) Sdn. Bhd.

### Contract Value

RM 3M

### Keller business unit (s)

Keller ASEAN

“Keller delivered the works with full commitment in terms of quality, time and safety. I’m happy that Keller completed the works just 2 days before contract ended.”

**Project Manager, Main Contractor**