

Works Completed during the last week.

Week 131: Monday 25 May to Friday 30 May 2008

- Work commenced on the ground stabilisation element on Phase 4 of works this week. Site investigation conducted last month revealed a soft band of material underlying the beach. Left untreated this material would be unsuitable as a foundation for the new promenade works. The method of ground stabilisation used on this project is known as Vibro Stone Columns. A steel tube known as a flot is driven into the ground up to depths of 10 metres by means of vibration and water, displacing the ground around it. After the flot reaches the required depth it is slowly withdrawn and the void left replaced by compacted stone.
- Once completed, a grid of 900 stone column piles, 800mm in diameter will be in place on the beach between the completed steel pile line and existing structure for the length of the works. This work significantly improves the load bearing capacity of the soils allowing the permanent works to be constructed on a sound foundation.



The vibro stone column piling rig in place on the beach.



The rig hopper being loaded with stone.

- Delivery and placement of rock armour on the beach continued throughout the week. Some 3000 tonnes of stone is being placed along the length of the works to safeguard the site from tidal action during the beach stabilisation works.



Rock armour being placed on the beach.



Rock armour in place.

Further information about the scheme can be viewed at
www.wyrebc.gov.uk
www.cleveleys-seawall.co.uk

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