

Works Completed during the last week.

Week 190: Monday 13 June to Friday 17 July 2009

- With the crane on site and assembled, work on placing of the pre-cast concrete revetment units commenced this week. Each unit measures 4 metres long by 2.7 metres slope wide by 0.6 metres deep with a stepped profile and weighs in at over 14 tonnes with half units being half the length and half the weight. The units are laid in rows in a stretcher bond pattern similar to brickwork with half unit placed at the end of a panel. Male and female 'Joggles' around the faces of the units ensure that when laid, all the units are interlocked and act as a single mass.
- Prior to placing the unit a screed of dry mix concrete is laid onto the blinding concrete to the correct profile, packers ensuring the unit is correctly supported at each corner. To avoid unsightly holes in the units which would normally be used for fixings to lift the units, a vacuum lifter has been developed specifically for this task. A vacuum pump attached to the crane provides suction to 10 pads which fit evenly spaced over the smooth stepped profile of the revetment. Once lifted into position, the unit is checked and adjusted for line and level and the whole process is repeated. When placing adjacent units, packers are installed between to ensure a 25mm joint is maintained around the whole unit. A total of 12 full units and 4 half units were placed to the southern most panel 10 this week.



Setting out of the first revetment being carried out.



Screed and packers placed to line and level.

- Work on the revetment preparation works continued this week with the remaining 3 pours of panel 8 and the first 3 pours of panel 7 being complete.



First unit being lifted into position using the vacuum lifter. Female 'joggle' can be seen on the face of the unit.



Four rows of panel 10 units complete. Male 'joggle' can be seen on the face of the units.

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

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