

# Works Completed during the last week.

**Week 215: Monday 4th January to Friday 8th January 2010.**

- Work resumed on the project this week following the Christmas and New Year holidays. Unfortunately, due to the weather conditions, progress was slow. One of the main reasons progress is affected during adverse weather conditions is the fact that in situ concrete cannot be poured with the temperature around freezing. As some activities involve an element of in situ concrete, progress is limited.
- With large plant no longer required on the promenade, the remaining precast rear wall units were placed to complete the rear wall this week followed by fabrication of the reinforcement cage to the base of these units.



Remaining precast rear units placed and reinforcement to base being fabricated.



Highway side of completed precast rear wall placement.

- The promenade intermediate wave walls which step the split level promenade continued on both waves 2 and 1 this week with the lower units of both waves being completed.
- The two groynes incorporated in these works comprise of timber planks bolted to timber piles driven into the beach and are protected from scour and undermining by a curtain of steel sheet piles also driven into the beach. The groyne partially extends into the new revetment at the pedestrian access step locations. Unfortunately, the post that supports the timber planks in this location cannot be driven into the beach as there is a concrete structure in the way. In this location, a core of concrete is removed through the revetment by rotary diamond drilling and the post placed in this core along with a galvanised steel adaptor bolted to both the post and revetment. Diamond rotary drilling of the cores was carried out this week along with coring through the steps to facilitate the posts for the pedestrian handrailing.
- The revetment groyne posts in the completed phases of works were not fitted in the same manner as described above. Instead the post was fitted into the cored hole and the void between post and hole filled with concrete. Unfortunately, these all lifted during rough weather and became detached. Remedial work commenced this week on repairs to these posts using the steel adaptor bolted to post and revetment described above.



Excavation adjacent to groyne to allow timber works.



Remedial works to phase 2 groynes.