

New construction **Strandhotel-Strandresidentie**

Pouring of underwater concrete August 2 - 4, 2016

On Boulevard De Wielingen in Cadzand-Bad the Strandhotel-Strandresidentie (Beach Hotel's Beach Residence) project is being realised. At this location amongst others, underground parking, apartments, hotel and commercial areas are being built. The project will finally be completed in 2018.

Until now, work has been done on the excavation of an area, enclosed by a cofferdam for the underground car park. Starting Tuesday, August 2nd, 8:00 am until Thursday, August 4th to 8:00 am (or as much shorter as possible) the floor within the cofferdam is being poured. 4,000 m³ underwater concrete will be poured into the cofferdam pit, which has recently been dug. The work for this will take approximately 44 hours continuously. Every six minutes, therefore a concrete mixer will arrive at the construction site. This means that during this period the possibility arises of noise and of the consequences of a lot of traffic.

Cofferdam

In recent months, an area, enclosed by a cofferdam is being dug out at the site of the future expansion of the *Strandhotel-Strandresidentie* and the construction of the Strandresidentie. Around the cofferdam tubular piles have been placed which, as a wall, hold of soil and water so that a pit could be made. The wall is going down to a depth of approximately 12 meters and all of this puts enormous forces on the wall. To cope with these forces, horizontal tie rods and bracing structures (oblique struts) are being applied. The bottom of the excavation is now being closed with a floor of underwater concrete.

Underwater concrete

The floor of the cofferdam area will be constructed one meter thick and acts as a kind of stamp in order to keep the structure stable. The floor thus prevents the walls, that in fact are under great pressure, from collapsing. To achieve this, a specially formulated underwater concrete is used, provided with steel fibres.

Traffic congestion

Concrete is being supplied by three concrete plants, in Bruges, Terneuzen and Breskens. Ten concrete mixers will be driving back and forth to the job site each hour. They will be spread over two to three routes (depending on the day, see map). These concrete mixers will be waiting in a work terrain of Duinhof East and on demand they will drive to the building pit. After pouring the concrete, they will be rinsed in this location before they set off again for another load.

(Traffic) measures

- Concrete mixers drive at speeds of up to 30 km/h through the town centres.
- On the route in Cadzand there are traffic wardens. Please see the map for the exact locations of the traffic wardens.
- At the entrance near the Duiplein there are fences to guide pedestrian flow.
- Roads will be swept regularly.
- Drivers have instructions, and are aware that the work is done under special circumstances (recreation area).

Noise

The activities will go on day and night. Concrete trucks will be driving back and forth and the pump, pouring the concrete into the pit, will run continuously. Around the building site, fencing will capture a portion of the noise that is produced. The production of noise, however, can not be prevented.

More information

Do you have any questions or complaints? Please call 0031 6 13644012, which will be available day and night. Progression of the work can be followed on www.facebook.com/vanderpoelbv.



**Aannemersbedrijf
Van der Poel
Terneuzen**