

Newsletter 4 Bicycle parking Koningin Julianaplein dd. December 12, 2017

In this newsletter, the municipality of The Hague and Mobilis provide you with information about the construction work for the underground bicycle parking on the Koningin Julianaplein. This newsletter is published every 2 months and is distributed in the immediate surrounding of Koningin Julianaplein and published on the website.

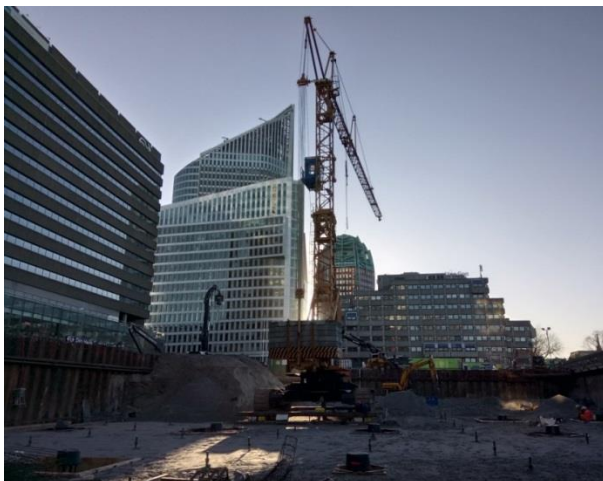


Photo 1. Overview of construction site

Building pit is closed

The past few weeks Mobilis has worked in the corner for the GWK and the

ChopChop. There, old foundation remains and other obstacles have been removed. Then the very last panels of the CSM wall are placed. The building pit is now officially closed. The building pit can now be excavated. The finishing of the building pit also means that there is no more need to hoist during this construction phase.

First long deposit day on Friday 22 December

The building pit of the bicycle parking is excavated and concreted in two phases (see figure 1). Phase 1 is the workspace at the Bezuidenhoutseweg. The excavation of this phase started in October. Following the excavation, the walls, fundation, floors and decks of the bicycle parking are poured. The concrete pouring of phase 1 starts in the course of November 2017 and lasts until March 2018.

On 22 December the first long pouring day for the floors.

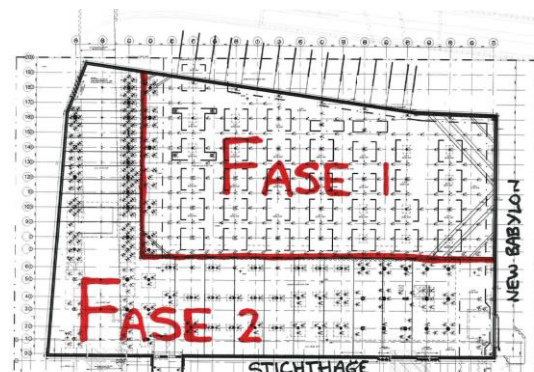


Figure 1. Overview of phases

Vlinderen

Immediately after pouring the floors and decks the concrete is finished off. This is called "Vlinderen". Vlinderen is the leveling and finishing of a freshly poured concrete floor. It is used to make the top layer watertight and smooth. A "vlindermachine" is used for the finishing off the concrete (see photo 2).

"Vlinderen" produces a humming sound that will last until about 23:00, depending on the weather conditions.



Photo 2. "Vlindermachine"

Residents and entrepreneurs directly at the Koningin Julianaplein will be informed about the specific day and estimated duration of the long days of concrete pouring.

Work until today

New Babylon tunnel

The municipality of The Hague owns the New Babylon connection tunnel. This tunnel was once constructed for a possible to be realized parking garage on the Koningin Julianaplein. The tunnel ran straight through the building pit. Mobilis has now closed the connection with Q-park at ground level (see photo 3 + 4)



Photo 3 New Babylon tunnel preparation

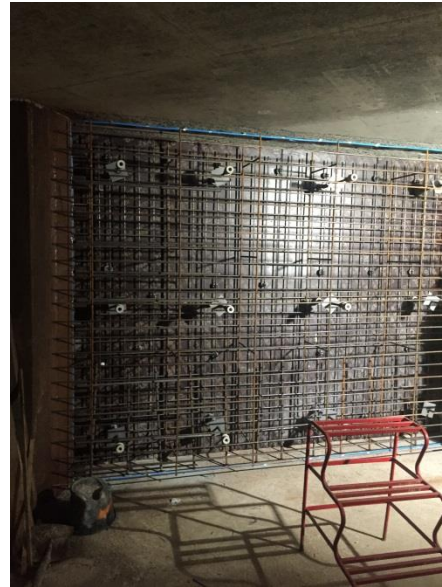


Photo 4 Tunnel New Babylon inside

Water pumping

In order to be able to excavate the building pit dry, the groundwater level within the building pit is temporarily reduced. The building pit is enclosed by walls and therefore the drainage does not affect the groundwater level outside the building pit. The groundwater level is measured with monitoring wells. These wells are placed inside and outside the building pit (see photo 5). They are monitored, so that there is insight into the height of the groundwater level. The amount of extracted groundwater is also measured continuously using water meters in the drainpipes.

After completion of the work, the drainage is cleared and the holes in which the monitoring wells have been seated are replenished.



Photo 5 Monitoring well in the building pit

Excavating the building pit

In October the excavation of phase 1 started (see photo 6). Meanwhile, the building pit is at depth. Around 4500 m³ of soil has been removed. These are about 75 trucks of land.



Photo 6 Excavation of the building pit

Put up girders and punch frame

In October a construction was installed to ensure that the walls of the building pit did not collapse under the pressure of the soil that is present outside the building pit.

This construction consists of grinders and punch frames (see photo 7). A punch frame is a construction of horizontal steel beams placed in all corners of the Stage 1 workspace. For the transfer of forces, girders have been provided at a number of levels of the CSM wall.



Photo 7 Girders (arrow left) and punch frame (arrow right) in the corner Rijnstraat / Bezuidenhoutseweg

Concrete reinforcement

Concrete reinforcement is a reinforcement that is put in the concrete. Concrete reinforcement is used in various constructions in bicycle parking with steel bars or nets.

The concrete reinforcement is put in on site by a steelfixer. Currently we are busy with the concrete reinforcement of the foundation piles (see photo 8).



Photo 8 Concrete reinforcement of the foundation piles

Remove obstacles

For the summer, Mobilis has been busy installing the CSM walls for the building pit. Work on the building pit was not finished yet. Near GWK and ChopChop there were old foundation piles that still had to be removed, to finish the building pit.

This work took weeks. In the first week the walkway was removed and all preparatory work was carried out.



Photo 9 Removing the walkway

In the 2nd week there is specialized drilling set up to remove the obstacles. Finally, four foundation piles were drilled away (photo 10).



Photo 10 Drilling of the obstacles



Photo 11 Removed foundation pile

In the first week of December the CSM machine appeared again at work and the building pit was completed.

Finally, the last panel was completed on 6 December.



Photo 12 CSM machine

The walkway has since been restored and on 13 December the walking route to Centrum has been taken into use again.

Preview

Excavation and pouring concrete Phase 2

The excavation and concrete pouring of Phase 1 will be completed by mid-March 2018. Subsequently, the construction of phase 2 will start (see figure 1). Work on phase 2 is similar to phase 1 and will last until October 2018.

Demolish BS poles / CSM wall Stichthage

The installed foundations pipe screw piles and CSM wall along the Stichthage façade are attached to the roof of the basement. To do this, the CSM wall and piles must be demolished at the top. For this, phased walkways and exits will be closed in the spring of 2018.

Construction of the Stichthage connection tunnel

At the height of the sliding door between the shops Bloem! and Sissy Boy comes a connection between the bicycle parking and the railway station. This work will take place both underground and above ground. The start of the tunnel is planned for the second half of 2018.

Virtual reality

Wondering how the Queen Julianaplein will look like?

Experience it in 3D.

Link:

<http://www.zwartlichtvr.com/pano/denhaag/>

Website

The website www.kj-plein.nl always contains the most recent information about the project. Since 1 September 2017 there are 2 webcams on the roof of the Stichthage building. This allows the construction via the website 24/7 to follow.

Information about the superstructure can be found on www.kjdenhaag.nl

Walk-in consultation hour

For information and questions about the construction work, you are welcome every Monday between 8.30 and 9.30 am at the walk-in office on the 9th floor of the Stichthage building. Eva Zonneveld, the environment manager of Mobilis, will be present here.

Contact

If you have any further questions about this letter, please feel free to contact us. This can be done via the contact form on our website www.kj-plein.nl. You can also reach us via the address info@kj-plein.nl. And of course you are more than welcome at the walk-in consultation hour.

If you see something suspicious during the works or want to report a calamity, you can reach us 24/7 on our emergency number: 06-21504617.

Christmas period

The employees of Mobilis have holidays during the period from December 25 to January 5. There will be no construction activities on the building site during this period.