

Dear Resident

The construction of new coastal defences for North Portsea Island is underway to significantly reduce the risk of coastal flooding in Portsmouth over the next 100 years and to better protect more than 4000 homes and almost 500 businesses in North Portsea. Coastal Partners (formerly Eastern Solent Coastal Partnership) has instructed Mackley to carry out the latest phase of the work (Phase 4) between Kendall's Wharf and Eastern Road (up to Portsmouth College).

In spring and summer 2021 we will prepare the area for the coastal defence works at Harbourside Park. We will not start constructing the defence this year, this will be done spring/summer 2022. The purpose of this letter is to summarise the works planned for spring/summer 2021 and spring/summer 2022. We were hoping to have a public exhibition event, but due to Covid this is not possible this year – but all being well, we will hold an exhibition before the works in 2022.

The coastal path will be closed from April until September 2021 and pedestrians will be diverted to the Eastern Road (see map right).

In the meantime, if you have any questions, please contact us using the contact details at the end of this letter. We are happy to meet with you (in line with government guidelines) outside to help explain specific features on-site, and if you'd be interested in this, please contact us using the contact details at the end of the letter.



Works planned for spring/summer 2021 at Harbourside Park:

- We will install a new fence to separate Harbourside Park from the working area. The new fence will be closer to the lodges than the current fence line – so we have more space to work. The fencing to be used will be “deer fencing” (see photo below), which retains the current view.
- Then we will temporarily reduce the level of the footpath using two 8 tonne mini-diggers (see photo overleaf). This is to enable the team to prepare the wall.
- Next we will widen the footpath so the piling equipment can fit (the width of the path will be reduced again once the defence works are complete).
- Finally we will make a horizontal sawcut in the old wall to prepare it for works next year. This does not increase the flood risk and the existing wall is still functional. The saw cutting equipment will have a water feed attached to it to help dampen down the dust. This worked really well in front of the sailing clubs where we carried out these works last year. This will cause some noise – but this will reduce as we move along the wall.



Deer fencing

Works planned for 2022 at Harbourside Park:

At Harbourside Park, the proposal is to install a glass flood wall with a concrete base. Works planned:

- We will install a sheet pile wall using a movax piling rig (see photo below). This helps form the base for the glass flood wall (along with the concrete). The works will cause some noise and vibration. Prior to piling works, a condition survey will be undertaken for all the lodges. This is an inspection and photographic record of the outside of the property. It is not necessary for you to be in while this inspection takes place – but we wanted to make you aware of this in case you notice the inspector taking photos. Levels of noise and vibration will be monitored to ensure that levels do not exceed limits set by the Local Planning Authority.
- Next, we form the concrete base for the glass flood wall.
- Then we will install the glass flood wall.
- Finally, we reinstate the area (i.e. fencing and footpath).

These works will take place from 01 April 2022 to September 2022.



Movax piling rig



Artist's impression of the glass flood wall at Harbourside Park



Artist's impression of the glass flood wall at Harbourside Park



8 tonne mini-digger

For Harbourside Park: when the defence is finished, the footpath will be 300mm higher than the current footpath and 1.2m of the finished seawall is to be visible above the footpath: 0.2 m concrete base and 1m glass flood wall (see artist's impressions, example photos of glass flood walls on the south coast, and cross section right).

The glass flood wall is designed to a 1 in 500 year flood standard of protection (a probability of 0.2% chance of an extreme flood event occurring at one point in time), and still maintains the sea views.

Other works in 2021:

We will also be working on the section of the defence immediately to the north (between the sailing clubs and Harbourside Park). The northernmost lodges may notice some vibration. Prior to piling works, a condition survey will be undertaken for the northern properties. This is an inspection and photographic record of the outside.

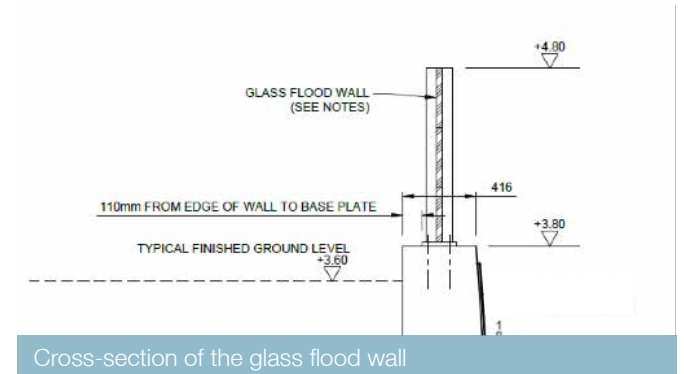
It is not necessary for you to be in while this inspection takes place – but we wanted to make you aware of this in case you notice the inspector taking photos. Levels of noise and vibration will be monitored to ensure that levels do not exceed limits set by the Local Planning Authority.



Examples of glass flood walls on other flood defences schemes: Shoreham-by-Sea



Examples of glass flood walls on other flood defences schemes: Littlehampton



Cross-section of the glass flood wall



Contacts

If you have any questions, please do not hesitate to contact Angela Spinks, Public Liaison Officer at Mackley:

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07703 452 752.

If you would like to sign up to mailing list for the project you can sign up here: <https://bit.ly/3ceuNnK>

Project newsletters are also available on the Coastal Partners website:

coastalpartners.org.uk/project/protecting-the-future-of-north-portsea-island

Best regards,

North Portsea Island Coastal Defence Team



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