

This monthly update provides residents and our neighbours with an overview of works on the SH16 Lincoln to Westgate Upgrade.



The flocculant about to be added into the decant pond. A flocculator (aluminium sulfate) is used to remove sediment and other impurities from the water before it is released into the waterways.

Sediment and Erosion control

Environmental controls are an important part of our job. We aim to have minimal impact on the environment when constructing new lanes for the motorway, new bridges, pedestrian and cycle path.

Protective measures on the ground began with the removal of shrubs, trees and topsoil along the Royal Road off-ramp. Silt fences, which form an erosion and flooding barrier, were put in place and hay spread on the ground to prevent erosion and flooding.

Three decant ponds were then dug to collect the run-off from small catchments. A flocculator (aluminium sulfate) is being used to remove sediment and other impurities from the water before it is released into the waterways.

When the flocculant is added to water in the pond, it causes the impurities to clump together and flake, making it easy to remove before clean water is released into the waterways.



One of the three temporary decant treatment ponds that are on site.

Work is underway on retaining walls

Retaining walls will be built at many places along the motorway upgrade due to slopes and differences in ground elevation. Retaining walls are used to stop the movement of soil behind structures such as the shared pedestrian and cycle path that will be built in front of the retaining walls.



Piles will be augured (drilled) into the circular holes and concrete infilled, once the stone strong blocks (on the right) are in place. Photo taken next to the Royal Road off-ramp. A noise wall will be constructed on top.



Water-logged soil next to the Royal Road off-ramp.

Please exercise caution when using the Royal Road off-ramp

Now that our works are well underway to upgrade the existing off-ramp, please maintain a safe following distance when exiting at the Royal Road off-ramp.

We apologise for any inconvenience our work may cause.

Nature of the soil where we work

The soils we are working in are known as the East Coast Bay Formation. This soil is compacted loose sand and clay silt which is very moist, providing prime conditions for transmitting vibration. This is also why you may feel vibration in your home from traffic on the motorway, especially when heavy vehicles go by.

Rigorous tests were carried out prior to work starting in the area. We are constructing the motorway using techniques that cater to these soil conditions and they were taken into consideration when design of the new works was carried out.

Residents close to our works may feel vibration from construction activities. Over the coming months we will be installing drainage under the shared pedestrian and cycle path being built near the Royal Road off-ramp.

Completing these works involves the use of excavators and compactors which may cause increased vibration on occasion. Please know that under our resource consent conditions we are required to monitor these activities to ensure that we do not exceed our permitted vibration levels.

If you have any concerns about our work, please contact Sheila Herrick on 022 687 0391. Thank you for your patience and understanding.

FOR MORE INFORMATION

If you have any questions or would like to know more about the project, please contact Sheila Herrick at Hawkins Infrastructure.

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