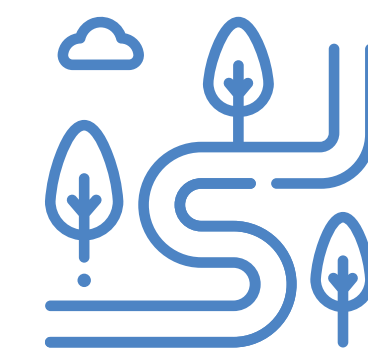


Welcome

Cemex is progressing plans to provide an attenuation layer across the former Hales landfill site in Small Dole to mitigate the impact of climate change by improving long term sustainable management of leachate.

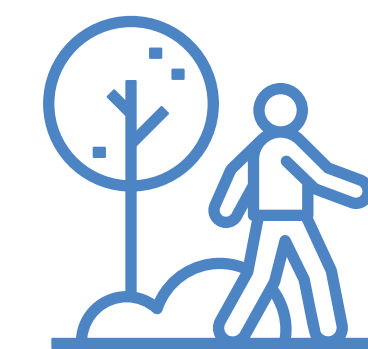
The project will provide long-term benefits:



Protect the River Adur from the effects of climate change.



Enhance the environment by increasing biodiversity.



Provide a new permissive footpath.

We are engaging with multiple stakeholders to ensure a balanced and beneficial outcome for the community and environment.

View across the site



How can you be involved?

We invite you to read the boards, ask the project team any questions.

Scan the QR code below or visit www.formerhaleslandfill.co.uk and fill in the online feedback form



Thank you for taking the time to attend today's event and find out more about the emerging proposals



Location, setting and history

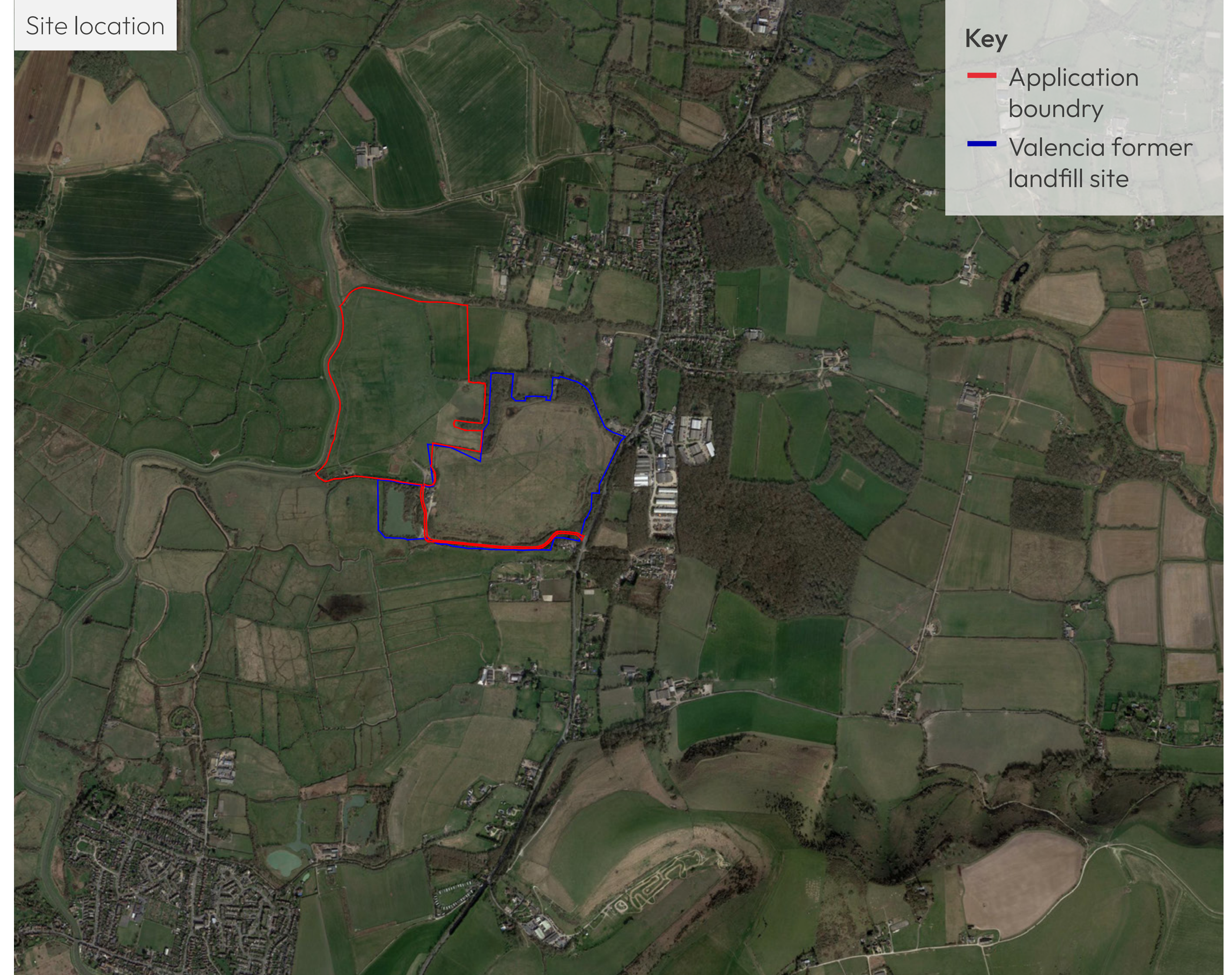
The former Hales landfill site is located south west of Small Dole, 2km to the north of Upper Beeding and 2.6km to the south of Henfield.

The site lies within an area with significant environmental and community considerations, including proximity to the South Downs National Park, agricultural land and residential areas.

- The site is a former landfill site sub-divided into seven fields consisting of agricultural grassland
- Leachate treatment facilities are provided in the southern areas of the site
- Passive landfill gas and leachate management infrastructure are located across the former landfill
- Highway access to the site is existing and is shared with the Valencia site directly to the east
- The former Hales landfill site is in aftercare under an Environment Agency permit and is managed accordingly

Site history

The former Hales landfill site accepted commercial and industrial waste until 1994 and has a leachate treatment facility. The landfill has a thin layer of restoration soils that allows high levels of rainwater infiltration into the waste. It generates a large volume of weak leachate (contaminated liquid that is generated from water percolating through any waste material). This leachate is collected and pumped from the landfill and treated on-site.



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Proposals and phasing

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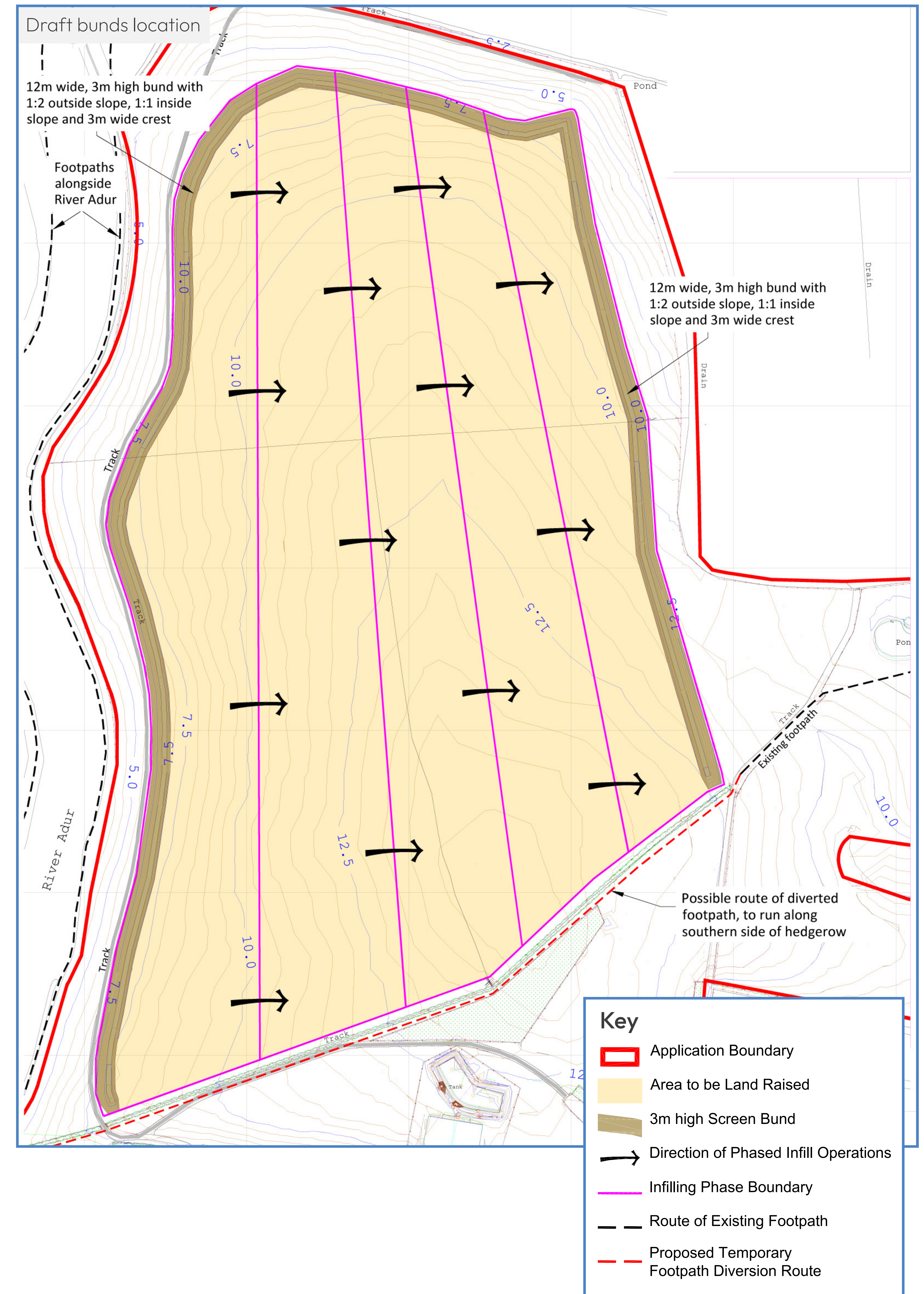
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Why are these works required?

- There is a need to future proof the landfill against climate change.
- Ensure that extreme or increased rainfall events do not cause leachate to rise within the landfill and discharge in an uncontrolled way into the River Adur.

Proposed solution

- To import inert restoration soils to create an attenuation layer over the former Hales landfill site
 - This will promote surface runoff, improve water management and reduce leachate generation.
 - Circa 500,000 M3 (cubic meters) of inert material would be required to be imported to the site over a six-to-eight-year period.
 - The work would be undertaken in phases from west to east across the site and restoration would be progressive
 - Footpath 2774 to the south of the site would need to be diverted temporarily.
- Restore the site to a neutral meadow grassland with improved biodiversity and a new permissive footpath.



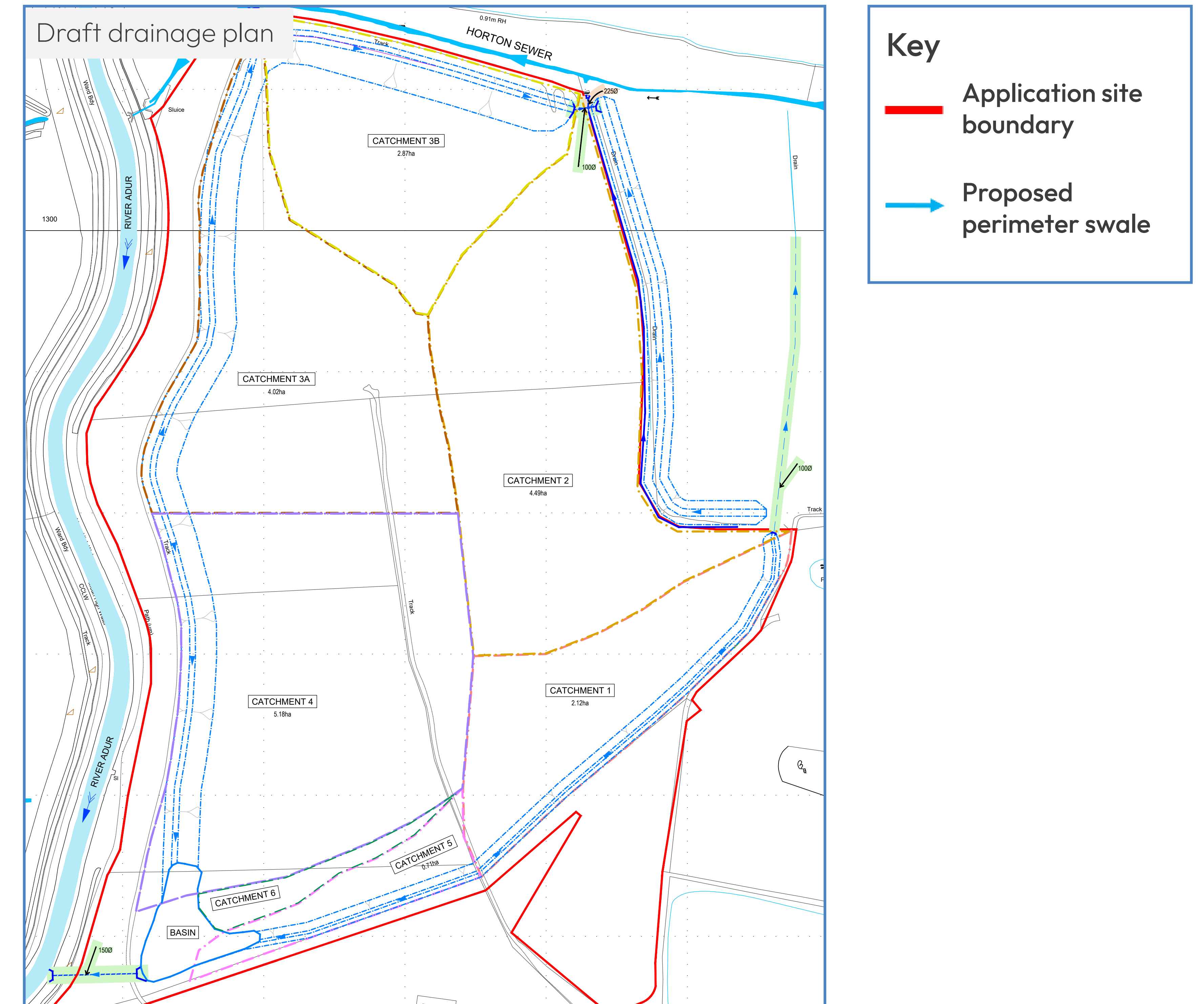
Attenuation and drainage

The key objective of the attenuation layer is to reduce and slow down rainwater infiltration to the existing waste and reduce the generation of significant quantities of leachate. The restoration proposed provides the minimum thickness to achieve better rates of infiltration, surface water run-off and leachate management.

The proposed attenuation layer will consist of inert material with a reduced permeability than the existing topsoil in order to reduce the infiltration of rainwater into the underlying waste and to promote the drainage of surface water runoff across the site which will be managed by perimeter swales and an attenuation basin. The swales and attenuation basin will outfall either to the River Adur or the Horton Sewer.

The proposals have a predominantly ‘Very Low’ or no increased risk of surface water and other sources of flooding.

The assessments undertaken conclude that the attenuation layer will be effective in reducing rainwater infiltration into the existing waste during high intensity rainfall events. This will contribute to reducing the variability in the leachate generation rate at the site, allowing for a more consistent throughput to the Leachate Treatment Plant and an associated increase in Leachate Treatment Plant efficiency, as well as a reduced risk of failure.



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Amenity and environmental protection

The Environmental Impact Assessment submitted with the planning application will consider the impact upon ecology (including biodiversity), landscape, noise, air quality, transport and highways, archaeology, heritage, hydrogeology and flooding, climate change and other impacts, to ensure that the proposal causes no significant adverse impacts to the environment or amenity.

Cemex is very experienced at operating sites close to and working with local communities, to ensure that there are no adverse impacts on neighbours.

Cemex's independent noise and air quality consultants will ensure nearby residential properties will continue to have a good standard of amenity. Boundary trees and hedging will be retained and inside the tree and hedge line, soil bunds will be installed around the site's boundaries where necessary to give additional protection from noise/dust and improve the visual amenity of the site whilst the attenuation layer is being constructed.

We recognise residents may be concerned about potential HGV movements associated with the scheme. No changes are proposed to the existing site access and HGV movements would avoid Small Dole village. The route to and from the site would be from the south via the A283 and A2037. Wheel washing will be undertaken on site to avoid the transfer of mud onto the highway.

There would be an average of 5 HGV movements per hour during operational hours which is expected to be approximately evenly distributed throughout each working day.

Site access gates



Site access



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Restoration and biodiversity

Cemex's restoration schemes typically result in the creation of additional wildlife habitats, the enhancement of existing ones and improvements to the landscape. The restoration scheme will include new gains in biodiversity, with additional trees and shrubs planted, as well as a variety of habitats appropriate to the area.

Cemex have had a partnership with the RSPB for over 10 years, who will have an input into restoration schemes and help manage the sites for biodiversity net gain.

- Cemex understands the sensitivities of the landscape context within which the site is located.
- There will be a temporary adverse impact on visual amenity during the operational phase of the development, but the site will be worked in phases and progressively restored.
- The overall positive impact on the natural environment within which the site is located, outweighs the temporary harm caused to the wider visual amenities of the area.

Progressively following importation there will be restoration of the land to a neutral meadow grassland with enhanced hedgerows.

The project will improve net gain in biodiversity through the creation of meadow grassland.

The restoration will improve the landscape and support local wildlife.

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Proposed restoration plan for former Hales landfill site



Land restoration at Baston,
Peterborough, November 2017



About Cemex

Cemex is a global construction materials company, producing aggregates, cement, readymix concrete and urbanisation solutions including mortars, admixtures, pre-cast concrete products for industrialised construction and housebuilding, as well as blocks, paving, floors and rail sleepers. Cemex also provide asphalt for roads, highways, car parks and driveways.

Cemex is committed to becoming a net zero business by 2050, through innovation and industry-leading research and development. Cemex is at the forefront of the circular economy in the construction value chain and is pioneering ways to increase the use of waste and residues as alternative raw materials and fuels in its operations with the use of new technologies.

Sustainability is a key consideration for Cemex. We take our responsibility towards sustainability very seriously and recently have had our 2050 net-zero target validated through the Science Based Targets initiative (SBTi), being one of the first companies in the industry to do so.

Our 'nature positive' approach

Cemex aims to reverse biodiversity loss by adopting a 'nature positive' approach in all its global operations. During 2022, Cemex UK developed a pilot framework to measure progress in their nature positive efforts. Assessments included evaluating existing habitats, ecosystem integrity, climate resilience, invasive species impact, and conservation status of species.

By 2025, Cemex will define the 'nature positive' baseline for all operations to start relevant actions and achieve progress by 2030. Cemex will conserve and restore ecosystems and reintroduce species to help nature recover and flourish by 2050.

Cemex in the community

Cemex's vision of building a better future is at the heart of the company's Social Impact strategy. Cemex acknowledges its' important role in advancing development in communities to improve the quality of life and well-being of all our stakeholders. The success of our social impact strategy is based on us listening to our stakeholders and aligning our strategy to their needs and expectations. This strategy originates from the Cemex sustainability model which allows us to create shared value.

- Partnerships with charities, e.g. Cambridge Science Centre, which aims to increase access to science-related education programmes and PAN Intercultural Arts, which aims to improve the lives of young people using the arts to inspire social change
- Supporting a range community groups from local heritage sites and sports clubs to conservation groups and local woodland trusts
- Working with local schools to educate children on road and rail safety, environmental sustainability and the circular economy, as well as supporting with work experience, early careers and introductions to industry

We would seek active engagement with the local community through a local liaison committee to create a structured forum to discuss the site's operations and its impact beyond its boundary and to address any concerns or complaints from the local community.

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FAQs

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Why do you want to import more material into this site?

The site has a very thin layer of restoration soils over the historic landfill and by increasing the thickness of this layer through the importation of additional restoration soils and changing the contours of the site, it will ensure that extreme or increased rainfall events do not cause leachate to rise within the landfill and discharge in an uncontrolled way into the River Adur.

Will the site be accessible?

For health and safety reasons, the operational land will not be publicly accessible whilst the works are being undertaken. However, the development is phased and progressive restoration will be undertaken. The surrounding footpath network will not be affected, apart from Footpath 2774 to the southern edge of the site. A section of this footpath will need to be diverted to the opposite side of the southern boundary hedge whilst the works are being undertaken.

Who will decide whether your plans can go ahead?

Our application will be decided by West Sussex County Council – they are the Mineral and Waste Planning Authority for this area. They will seek views from a range of consultees including Natural England, the Environment Agency, Highways Authority, Historic England, Horsham District Council and various local authorities and parish/town councils. In addition to making a representation directly to Cemex at this exhibition and via our other consultation channels, you will be able to make comments directly to the council once the application is submitted.

During what hours will the operation take place?

The operating hours for the construction of the attenuation layer are likely to take place between 0700 –1800 Monday to Friday and 0800 – 1300 on Saturdays. No operations other than those connected with the essential maintenance of the existing landfill infrastructure would take place on Sundays or Bank Holidays. These hours of operation can be controlled through monitoring conditions with West Sussex County Council.

When would work on the attenuation layer take place?

Cemex is aiming to complete the creation of the attenuation layer over a period of 6 to 8 years. If permission is granted, then Cemex would anticipate operations starting in 2026/27.

How do I have a say?

Please direct any questions towards members of the project team present today. You can also fill in a feedback form with your comments or get in touch via the phone number and/or email address below. The boards at this exhibition are also available to view virtually via the following link should you wish to view them online

www.formerhaleslandfill.co.uk

Timeline

- **Summer 2024**
Public consultation event
- **Autumn 2024**
Continue receiving feedback on the proposals
- **Autumn/Winter 2024**
Submit planning application to West Sussex County Council
- **Summer 2025**
Anticipated planning committee determination of application
- **Winter 2026/early 2027**
Commencement on site, assuming planning permission is granted



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To find out more or ask any questions contact us on:

Email:
info@formerhaleslandfill.co.uk

Phone:
0800 148 8911

Write:
**Freepost MEETING PLACE
CONSULTATION**
(no stamp or post code required)

