

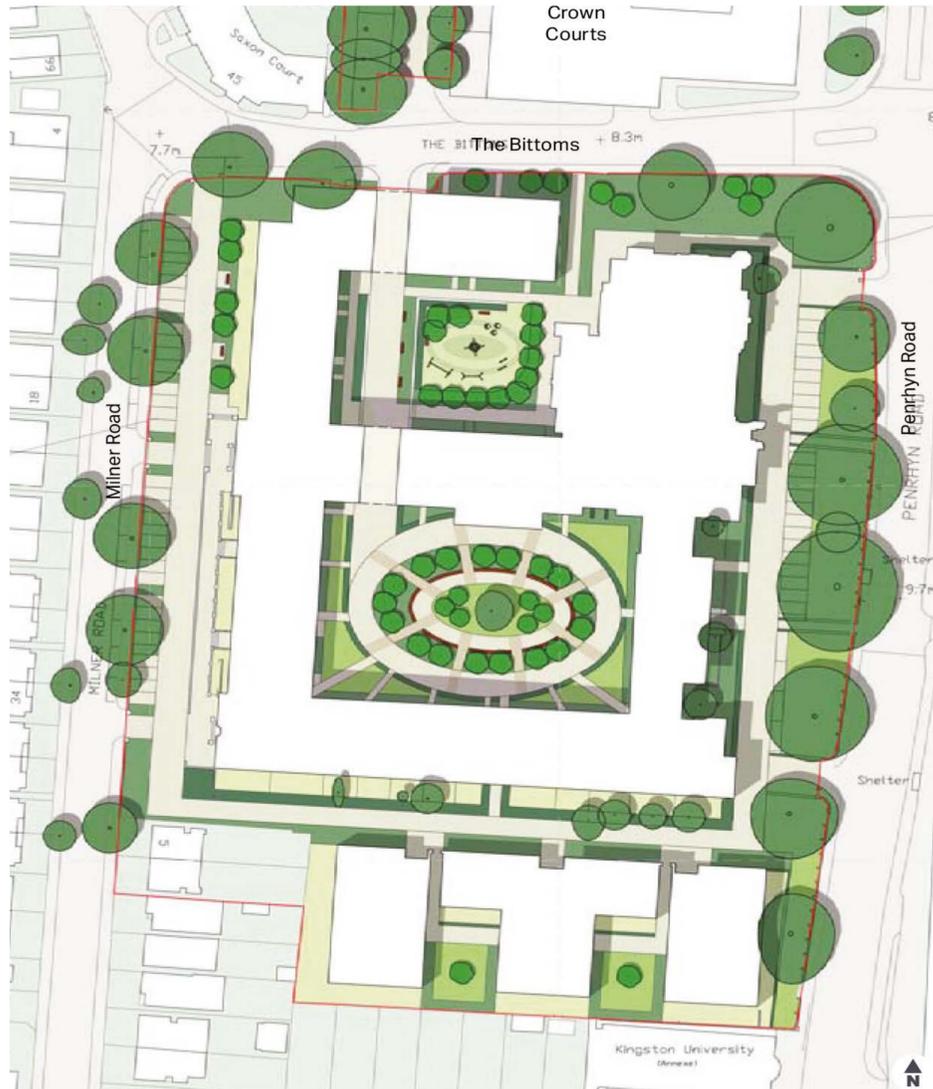
Redevelopment of Surrey County Hall and the Bittoms Car Park

November 2020

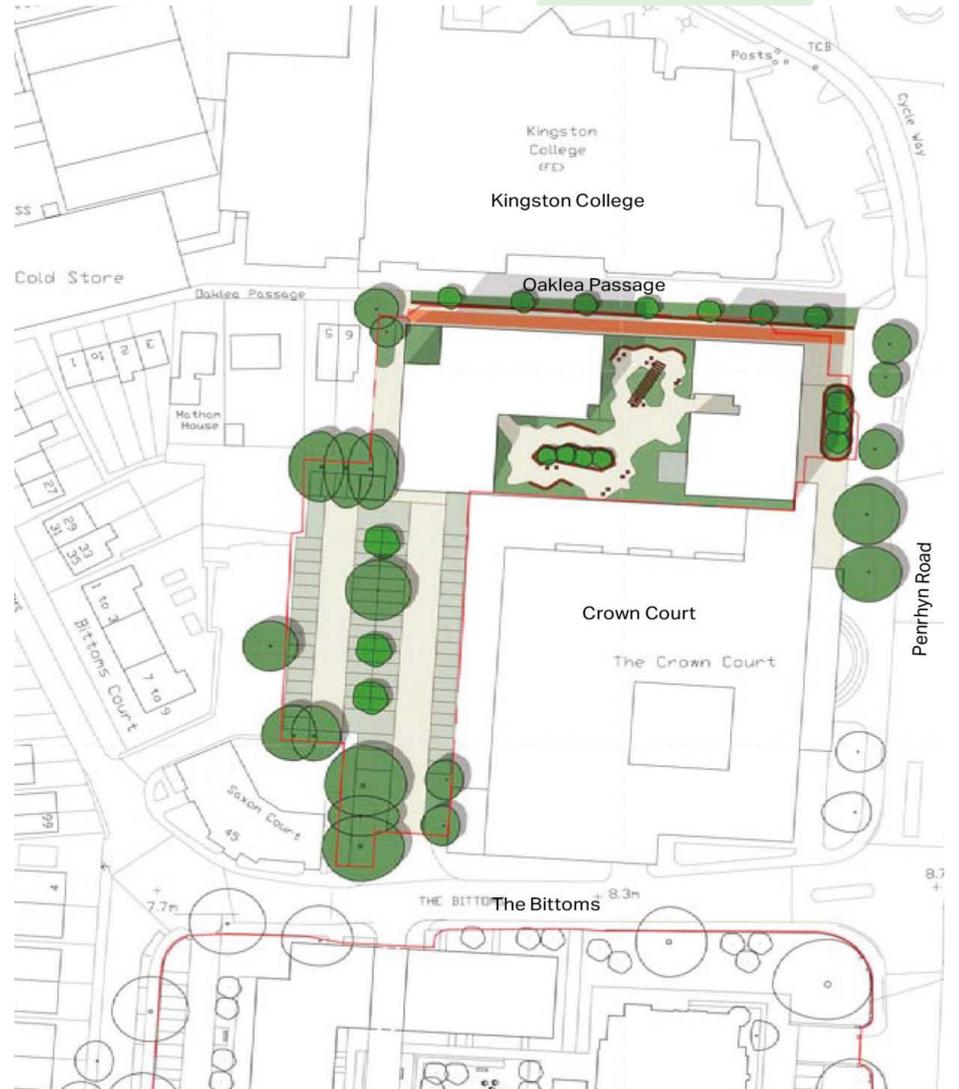


Landscaping & Sustainability

Landscaping: County Hall



Landscaping: The Bittoms



The diagram above shows the landscaping strategy for the County Hall element. The two central courtyards will be retained to draw on the historic character of the site. The existing trees as well as the existing historic low wall will create an attractive frontage to Penrhyn Road. Along Milner Road the historic stone walls and existing cobbles will be retained. A communal courtyard will also be created for the new residential South Block.

A podium roof garden will deliver a communal space at the fourth floor and create a vibrant, green setting. New trees will deliver a frontage on Oaklea Passage and onto Penrhyn Road. The old red brick planters on Penrhyn Road will be removed creating a clear link between the two streets. New retail space will front Oaklea Passage creating an active frontage. The existing parking area behind the Crown Court will be resurfaced and new trees planted to replace those which have previously failed.

Sustainability

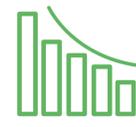
Renewable energy will be prioritised for electric-led energy delivery including rooftop PV panels and air source heat pumps to provide much of the heating requirements. Two centralised higher efficiency energy centres will be installed and there will be potential for connection to the proposed local energy network. Opposite are some further details on our sustainability strategy.



Green roofs
Provided to positively increase biodiversity



Heat recovery whole house ventilation
To provide a healthy environment minimising heat loss during cooler periods



Minimise Embodied Carbon
by recycling any material from parts of the site being demolished



Rainwater attenuation
Provided to reduce the discharge rates into the mains systems



Natural ventilation
the sustainability strategy utilises natural ventilation to manage peak temperatures in the residential units during warm seasons, minimising energy use and providing a comfortable environment



Fabric specification
a fabric first approach has been taken to minimise heat losses and gains

A full Environmental Impact Assessment is being prepared.