



Design Access Statement

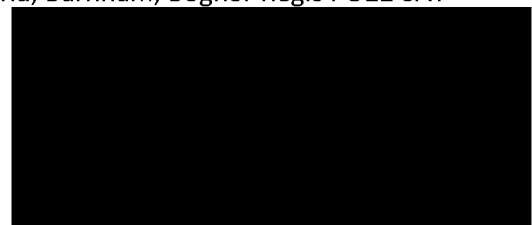
Barnham Community Hall Main Car-park

23rd February 2018

Barnham Community Trust

Trustee: Chris Allington

Barnham Community Hall, Yapton Rd, Barnham, Bognor Regis PO22 0AY



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Introduction and Background

Barnham Community Hall's Main car-park is currently a gravel surface. This was a cost reduction when the hall was built (Opened May 2013) and not the preferred solution which would have been block paving or permeable tarmac. The access road, whilst not part of the Community Hall's land, was constructed using block paving and is part of the same planning permission.

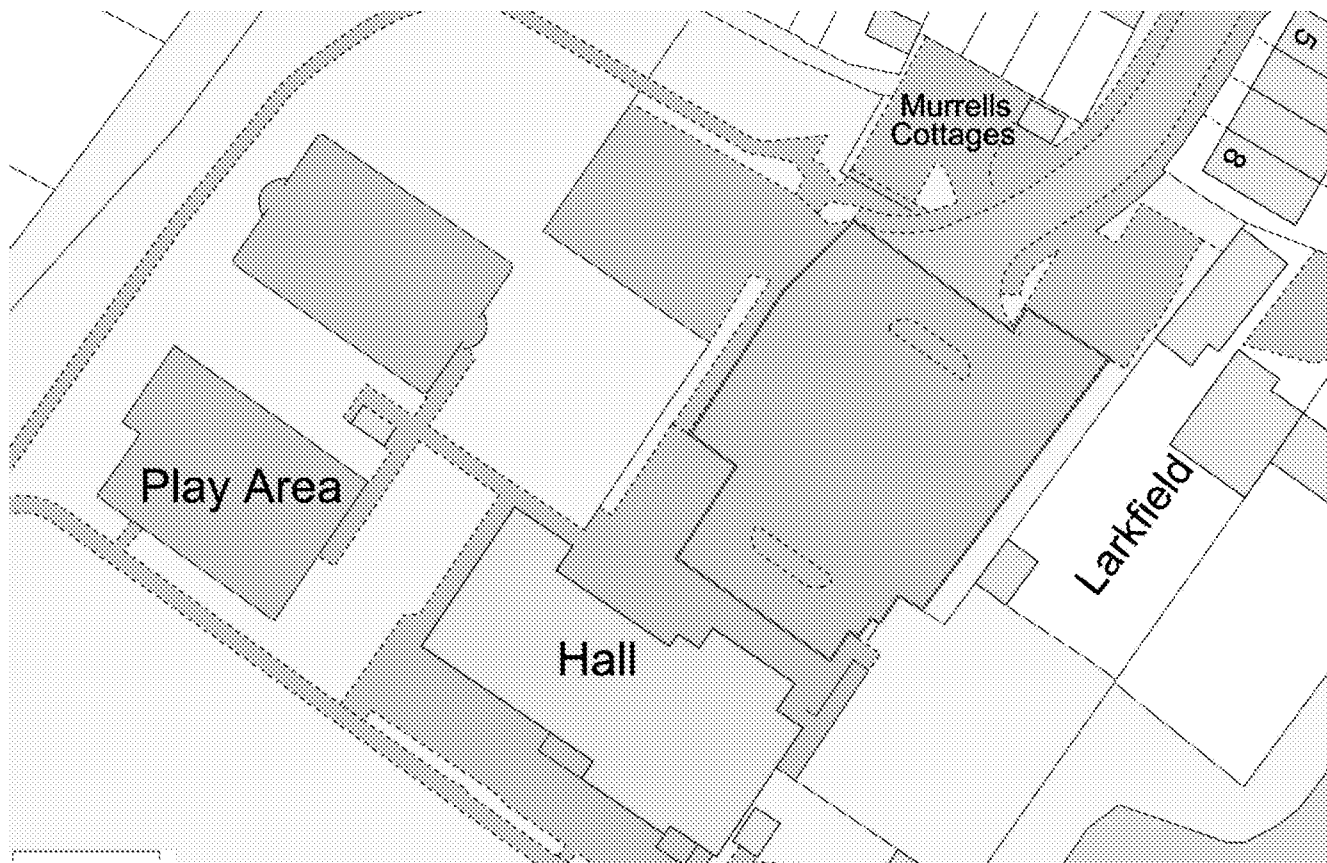
The car park has proved to be a noise nuisance to the neighbours and a major accessibility impediment for those with mobility problems. These issues have been difficult for the Trust to manage. Furthermore, after four years the surface is now compacted and is not draining properly. Barnham Community Trust has been raising funds to improve the situation and we are in discussions with a funder for a grant to fund the shortfall.

We believe that we have a funding package that can be secured within three months and the funder requires three quotes for each of the construction options we are considering.

We are advised that the best solution is to excavate the car park to facilitate a 350mm layer of Type 3 stone (to act as a water-store and foundation) covered with a permeable surface of either tarmac, block paving or a combination. The final decision will be cost/funding driven and we currently obtaining quotations.

The Site

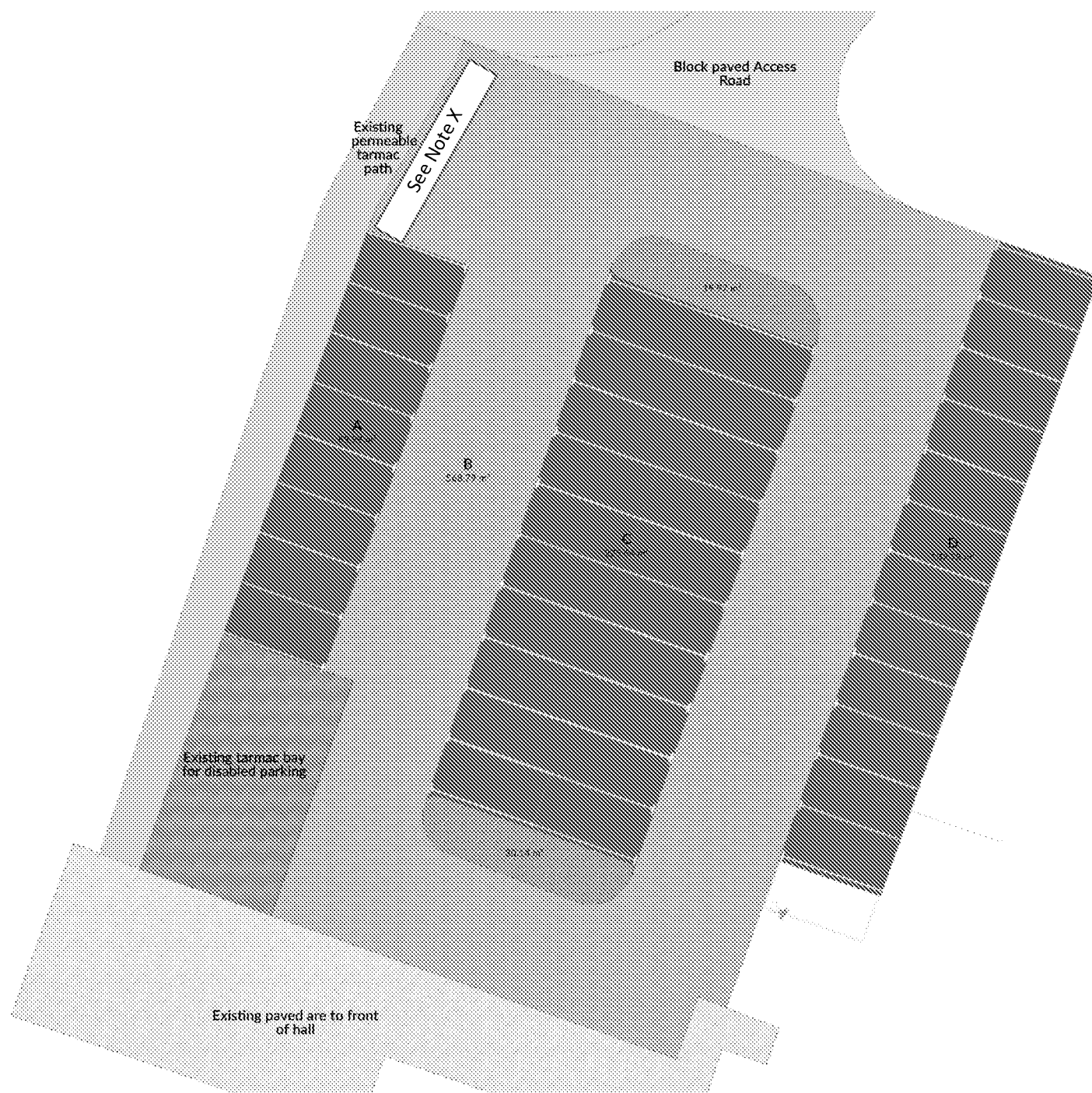
The site is shown on the block plan below outlined in red (for illustration only, refer to planning permission attachments for scaled block plans and maps)



The 'islands' shown with dotted outlines will be remaining. They are raised kerbs with gravel infill to support lights.

Specification

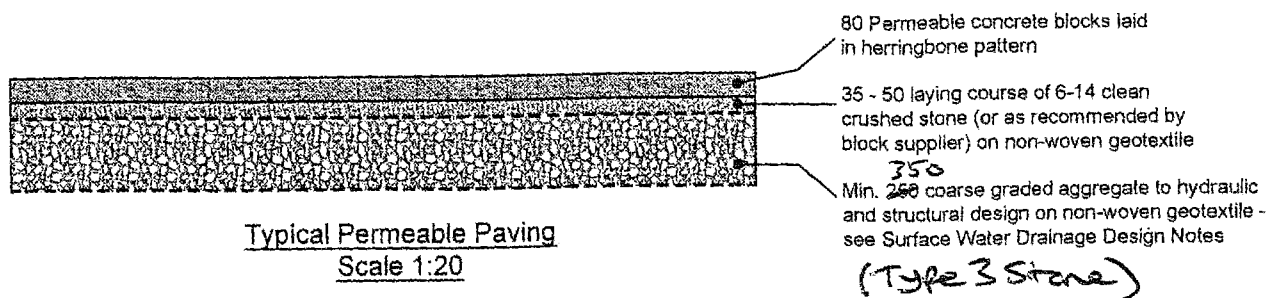
Below is a drawing identifying the car-park layout proposed.



Areas marked A to D are to be reconstructed and costs planning permission is sought for the following options:

Area	Option 1	Option 2	Option 3
A – 86 sqm			Permeable Tarmac
B – 569 sqm			Block Paving
C – 226 sqm			Permeable Tarmac
D – 133 sqm			Permeable Tarmac
Total – 1,014 sqm	Block Paving to match Access Road	Permeable Tarmac to match existing tarmac surfaces	

Foundation Details



Block Paving

To match the Access Road surface

Permeable Tarmac

To match the existing Permeable Tarmac Path

Note X

There is a level change between the Main Carpark and the Overflow Carpark (not shown). A concrete 'dam' needs to be constructed along the edge of the existing path from Area A to the existing access road. This needs to be to a depth of 350mm to stop any water stored in the Type 3 stone from soaking away through this area.

Flooding

The site is in flood zone 1, an area with a low probability of flooding. However, the water table is known to be near the surface and much work was done on surface water drainage for the original planning application BN/3/09/.

We have consulted Paul Cann, Senior Drainage Engineer Arun District Council who has provided informal advice given his extensive knowledge of the site and the discussions with Archibald Shaw when the hall was built in 2013.

100mm depth of type 3 stone is required to accommodate the volume of water produced by a 1 in 100 year storm event + climate change allowance and using the percolation rate achieved by Archibald Shaw. To ensure an adequate foundation the design is to provide 350mm of type 3 stone which is over three times the water storage required.