

## Transcript of RAC ALC Video

This video was made on the 10th of February 2023.

It is located in the county council field on the boundary of Sunnica East A. Opposite auger bore LF164. Described by Daniel Baird Soil consultants as Grade Four land with a depth to 30 centimetres, which was stopped by stone.

My name is Sam Franklin and I am undertaking the soil auger boring in a location close to LF164 to demonstrate the depth of soil. And as you can see, I am augering already down to 30 centimetres. I've been asked to undertake this work as an experienced soil scientist and professional member of the British Society of Soil Science in order to demonstrate the soil type and quality at this location.

As a further soil bore here and again as another 15 centimetres of soil, taking this down to about 45 centimetres, just cleaning the auger. So we are around four metres from the boundary of Sunnica East site, described as Grade Four land by Daniel Baird Consultants. A further core, just cleaning the auger before placing the soil sample on a measuring platform that's approximately 60 centimetres of soil continuing to auger.

Soil has changed colour ever so slightly from a fairly deep brown to a paler, almost cream soil, which means that there is a lot more chalk present in the soil of the subsoil. This next core is much whiter or creamier, 75 centimetres of depth continuing to auger. And now very much into the chalk at the bottom of the profile but still able to auger because this is not particularly stony chalk. Just tapping the auger on my foot there to clean it so that it doesn't contaminate the next sample. Trying to keep the auger as clean as possible.

Now starting to get quite difficult to take a core sample. You can see that is almost pure chalk, but still able to get the soil auger down to about 85-90 centimetres. Before it becomes too difficult to extract a sample.

We're on the stone now. One final sample Sample there about 90cm. So only partially filled the auger head now and inspection of the profile on the platform. You can see a full depth of soil. Those are ten centimetre spacings. So there is brown soil down to 50-55 centimetres before it changes into a creamy colour. At about 65-70cm not stone soil turned into chalk, but here I am demonstrating that it is friable, crumbly and moist, but is essentially stone free.

Grade Two land.