

## Temporary Access Roads on Burrowton Solar Farm, Exeter

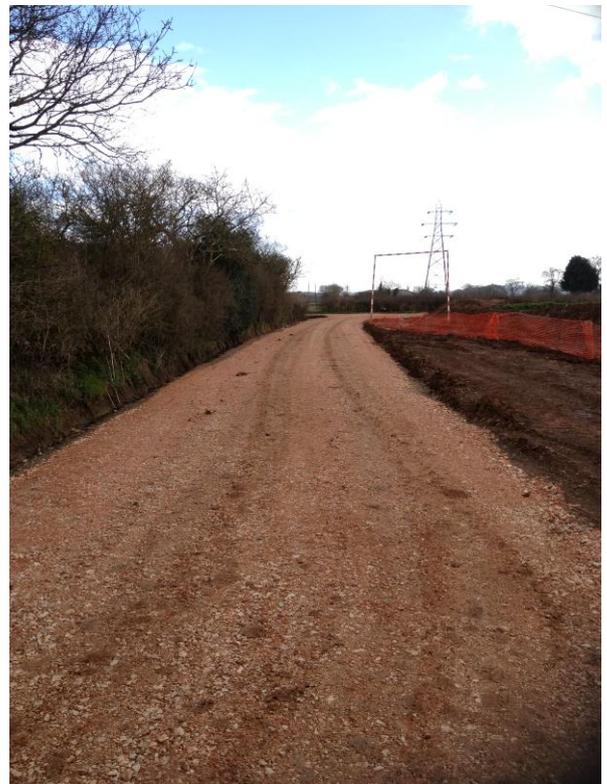
### The Project:

Reeds had to design and construct temporary access roads (4m wide) on a *British Renewables* solar farm at Burrowton, Exeter. The roads had to withstand heavy traffic from a range of Vehicles. A deadline was in place to ensure British Renewables could connect the DNO in time to avoid financial fines. All methods and materials had to be seen as environmentally friendly.

### Works:

- After the design was accepted. The access roads and compound areas were marked out.
- 50-60mm of top soil/root structure were stripped using a 8 ton excavator and banded in designated points.
- 1% of lime was added to the material to bring the MCV's down to an acceptable level for compaction and ensure correct pulverisation prior to application of cement. This was done using one of Reeds' Stehr SBF24-6 Dust Free and tractors.
- Cement (Cem1) was then injected using the Dust Free at an application rate of 8%.
- The cemented material was then graded to ensure a good camber to aid drainage and then compacted.
- The CBR values achieved were plus 30%.
- This was left for 24 hours to allow curing before a layer of 100mm Type 1 limestone was graded on top to act as the running course and to protect the sub base.

### Photos:



Once the solar farm was installed, Reeds milled some of the temporary roads, returning it back to farm land as agreed with landowner and British Renewables.

British Renewables deadline was met and access around site was greatly increased.



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